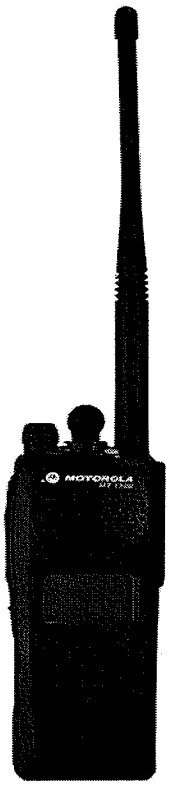
MT™ 1500 PORTABLE

VHF / UHF / 800 MHz Conventional

All MT1500 1.5 models include:

- Battery (NiCd, 1525 mAh, 7.5V - NTN9815)
- Antenna (8505518V01 VHF / NAD6549 UHF / 8505241U03 800 MHz)
- 3 Programmable Side Buttons
- Orange Emergency Button
- 16 Position Mode Rotary Select Switch
- 4 / 12 / Front Mount Alphanumeric Display Lines / Characters Per Line
- On / Off Volume
- Low Battery Alert Tone
- Noise Reduction Software
- 1 Top Mounted Programmable Three Position Concentric Switch
- Weather Sealed Universal Connector
- Bi-Color LED Indicator
- Detachable Belt Clip
- Audio Gain Control
- One Year Warranty



Notes:

1. Trunking capable portables are only available through Above the Pricebook (APB)

2. Charger does not ship standard.

ORDERING REQUIREMENTS

1. Order the MT 1500 Portable as the main line item.

2. A System Software Package (Q833) MUST be ordered for each radio unit ordered.

3. A charger does not ship standard with the radio. See Chargers in the accessory section.

OPERATING MODES

Capable of operation in voice communication modes:

• Conventional Software with MDC1200 (Q833)

Capable of 48 modes when the programmable Concentric Top Mounted Switch is used for Zone Operation. The mode of operation is programmed on a channel-by-channel basis.

CHANNEL SPACING

There are no maximum frequency separation conditions that must be adhered to on the MT 1500 Portable Radio Series. Separation of frequencies can be as wide as the allowable sub-band per radio model with no degradation of any performance specifications. If an incorrect antenna is used, degraded performance may be experienced.

Radio Features:

RADIO WIDE FEATURES:	
MT 1500 Model 1.5 - Maximum Modes	48
Analog Operation	Yes
12.5/20/25 KHz Programmable Channels	Yes
Secure Capable	No
One Touch Operation	No
Real Time Clock	No
Surveillance Mode	No
Keypad Lock	No
Radio Lock	Yes
Radio Wide Transmit Inhibit	No
Time Out Timer	Yes

ANALOG CONVENTIONAL FEATURES: Conventional Features are additional radio wide features beyond those specified above.	
CSQ/PL/DPL	Yes
Dual Priority Channel Scan	No
Adaptive Power Control	Yes
Repeater/Talkaround Operation	Yes
Scan (Auto, Pre-programmed, Operator Selectable)	Yes
Smart PTT	Yes
Monitor	Yes
DTMF Tone Generation	N/A
MDC-1200 Emergency Call	Yes
MDC-1200 Silent Emergency Alarm	Yes
MDC-1200 PTT-ID Encode	Yes
MDC Repeater Access	Yes
MDC Request to Talk (RTT)	Yes
MDC Status, Status Request. Message	Yes

MT™ 1500 PORTABLE

VHF / UHF / 800 MHz Conventional MODELS / OPTIONS

RESELLER PRICES

Model 1.5

BAND SPLIT	BAND	CHANNEL	WATTS	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE	
138-174 MHz	VHF	48	1-5W	H67KDD9PW5_N	$750	
380-470 MHz	UHF	48	1-5W	H67QDD9PW5_N	$750	
450-520 MHz	UHF	48	1-5W	H67SDD9PW5_N	$750	
806-870 MHz	800 MHz	48	1-3W	H67UCD9PW5_N	$750	

FCC INFORMATION: AZ489FT3807 (VHF/UHF) / AZ489FT5816 (800 MHz)

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE	
Options:			
Software Package Options:	**EACH MODEL MUST BE ORDERED WITH A SOFTWARE PACKAGE OPTION**		
Q833	Conventional Software with MDC1200	$440.00	
Battery Options:			
H223	NiCd, 1525 mAh Battery, Intrinsically Safe (NTN9816)	$49.00	
H335	IMPRES NiMH, 1850 mAh Battery (NTN9858)	$61.00	
Q393	IMPRES NiMH, 1700 mAh Battery, Intrinsically Safe (NTN9857)	$82.00	
Belt Clip Options:			
H301	Omit Belt Clip (HLN6853)	N/C	
Antenna Options:			
VHF			
H128	VHF 136-150.8 MHz, Wideband Helical Antenna (8505644V01)	N/C	
H129	VHF 150.8-162 MHz, Wideband Helical Antenna (8505644V02)	N/C	
H65	VHF 162-178 MHz, Helical Antenna (8505644V03)	N/C	
H112	Omit Standard VHF Antenna (8505518V01)	-$10.00	
UHF			
H125	UHF 403-435 MHz, Helical Antenna (NAE6546_R)	N/C	
H126	UHF 435-470 MHz, Helical Antenna (NAE6547_R)	N/C	
H127	UHF 470-520 MHz, Helical Antenna (NAE6548_R)	N/C	
H112	Omit Standard UHF Antenna (NAD6549)	-$10.00	
800 MHz			
H122	806-870 MHz, Injection Molded 3.5" Whip Antenna (8505241U06)	-$5.00	
H112	Omit Standard Antenna 800 MHz (8505241U03)	-$10.00	
Manual Options:			
H145	MT 1500 User Manual	N/C	
Warranty Options:			
Q884	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$34.00	
H885	Express Service Plus Plan (ESP) 2 Year - Provides for 2 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$65.00	

MT™ 1500 PORTABLE ACCESSORIES

MT™ 1500	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
	Batteries:		
X	NTN9815	NiCd, 1525 mAh, 7.5V Battery	$100.00
X	NTN9816	NiCd, 1525 mAh, 7.5V Battery - Intrinsically Safe (FM)	$121.00
	IMPRES™ - Intelligent Motorola Portable Radio Energy System:		
	The IMPRES™ smart energy system ensures maximum talk-time and optimized battery cycle life through the use of its advanced charging technology and automatic reconditioning features.		
X	NTN9857	IMPRES™, NiMH, 1700 mAh, 7.5V Battery - Intrinsically Safe (FM)	$130.00
X	NTN9858	IMPRES™, NiMH, 1850 mAh, 7.5V Battery	$110.00
	Carrying Cases and Accessories		
X	NNTN4115	Leather Case with High Activity 3" Swivel	$60.00
X	NNTN4116	Leather Case with High Activity 2.5" Swivel	$60.00
X	NNTN4117	Leather Case with Belt Loop	$60.00
X	HLN6853	2.25" Spring Action Belt Clip	$11.50
X	NTN8383	T-Strap Leather Case with Plain Action Snaps	$10.50
X	NTN8384	T-Strap Leather Case with Hard Action Snaps	$10.50
	Earpieces and Accessories		
X	BDN6641	Ear Microphone, Gray (for high noise levels up to 105dB) - requires Interface Module - Intrinsically Safe (FM)	$247.00
X	BDN6671	Ear Microphone Interface Module with Selectable Switch for PTT or VOX Operation - Intrinsically Safe (FM)	$347.00
X	BDN6677	Ear Microphone, Black (for noise levels up to 95dB) - requires Interface Module - Intrinsically Safe (FM)	$198.00
X	BDN6678	Ear Microphone, Beige (for noise levels up to 95dB) - requires Interface Module - Intrinsically Safe (FM)	$198.00
X	BDN6708	Ear Microphone Interface Module, PTT Operation Only - Intrinsically Safe (FM)	$284.00
X	BDN6780	Earbud with Clip Microphone and PTT Combined, Transmit & Receive (2-wire)	$67.00
X	BDN6781	Earbud, Receive Only (single wire)	$27.00
	Headsets and Accessories		
X	BDN6645	Heavy Duty Noise Cancelling Boom Microphone Headset with PTT on Earcup - (requires separate adapter cable) - Noise Reduction Rating = 24dB	$439.00
X	BDN6673	Headset Adapter Cable - Intrinsically Safe (FM)	$230.00
X	NMN6258	Medium Weight Headset, Over-the-Head, with In-Line PTT - Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$389.00
X	NMN6259	Medium Duty Headset, Behind-the-Head, with In-Line PTT - Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$425.00
X	RMN4049	Temple Transducer - Receive audio without covering the ear, behind-the-head style headset allows user to receive audio through the temples. Headset features a noise cancelling boom microphone and In-Line PTT - Intrinsically Safe (FM)	$225.00
X	RMN5049	Rugged Temple Transducer Headset - features a noise cancelling boom microphone and In-Line PTT	$340.00

MT™ 1500 PORTABLE ACCESSORIES

MT™ 1500	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
	Surveillance Accessories:		
X	BDN6667	2-Wire Surveillance Kit with Microphone and PTT Combined, Beige	$114.00
X	BDN6729	2-Wire Surveillance Kit with Microphone and PTT Combined, Black	$114.00
X	BDN6669	2-Wire Surveillance Kit with Microphone and PTT Combined with Extra Loud Earphone, Beige (exceeds OSHA limits)	$118.00
X	BDN6731	2-Wire Surveillance Kit with Microphone and PTT Combined with Extra Loud Earphone, Black (exceeds OSHA limits)	$118.00
X	BDN6668	3-Wire Surveillance Kit with Microphone and PTT Separate, Beige	$150.00
X	BDN6730	3-Wire Surveillance Kit with Microphone and PTT Separate, Black	$150.00
X	BDN6670	3-Wire Surveillance Kit with Microphone and PTT Separate with Extra Loud Earphone, Beige (exceeds OSHA limits)	$135.00
X	BDN6732	3-Wire Surveillance Kit with Microphone & PTT Separate with Extra Loud Earphone, Black (exceeds OSHA limits)	$135.00
X	BDN6664	Receive-Only Surveillance Kit, Beige (single wire)	$40.00
X	BDN6726	Receive-Only Surveillance Kit, Black (single wire)	$40.00
X	BDN6666	Receive-Only Surveillance Kit with Volume Control, Beige (single wire)	$53.00
X	BDN6728	Receive-Only Surveillance Kit with Volume Control, Black (single wire)	$53.00
X	BDN6665	Receive-Only Surveillance Kit with Extra Loud Earphone, Beige (single wire, exceeds OSHA limits)	$42.00
	Microphones		
X	NMN6191	Noise Cancelling Remote Speaker Microphone with coiled cord, swivel clothing clip & 3.5 mm audio jack - Intrinsically Safe (FM)	$96.75
X	NMN6193	Remote Speaker Microphone with coiled cord, swivel clothing clip and 3.5mm audio jack - Intrinsically Safe (FM)	$87.25
X	RMN5072	UHF / 700 / 800 Public Safety Speaker Microphone with 3.5 mm audio jack, volume switch, and 30" straight cord (not compatible with VHF & antenna not included) - Intrinsically Safe (FM)	$160.00
X	RMN5074	UHF / 700 / 800 Public Safety Speaker Microphone with 3.5 mm audio jack, volume switch, and 18" straight cord (not compatible with VHF & antenna not included) - Intrinsically Safe (FM)	$160.00
X	RMN5073	UHF / 700 / 800 Public Safety Speaker Microphone with 3.5 mm audio jack, volume switch, and 24" straight cord (not compatible with VHF & antenna not included) - Intrinsically Safe (FM)	$160.00
		IMPRES™ - Intelligent Motorola Portable Radio Energy System Chargers: **The IMPRES™ smart energy system ensures maximum talk-time and optimized battery cycle life through the use of its advanced charging technology and automatic reconditioning features, when used with IMPRES™ batteries.**	
X	WPLN4130	IMPRES™ Multi Unit Charger with Display Modules - displays real-time for IMPRES™ batteries - mAh, % capacity, time remaining to rapid charge complete (NiCd/NiMH batteries), battery s/n, charge status, voltage, kit number, expected full charge capacity & more.	$1,350.00
X	WPLN4111_R	IMPRES™ Charger	$165.00
X	WPLN4108_R	IMPRES™ Multi Unit Charger	$788.00

MT™ 1500 PORTABLE ACCESSORIES

RESELLER PRICES

MT™ 1500	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
	Chargers:		
X	NTN1667	110V Single Unit Universal Tri-Chemistry Charger	$100.00
X	NLN7968	6 Unit Rack Mount Charger	$26.00
X	NTN9176	Vehicular Charger	$390.00
X	NLN7967	Wall Mount Kit for Multi-Unit Charger	$21.00
	Antennas:		
X	8505644V01	VHF Helical Antenna, 136-150.8 MHz	$16.50
X	8505644V02	VHF Helical Antenna, 150.8-162 MHz	$16.50
X	8505644V03	VHF Helical Antenna, 162-178 MHz	$16.50
X	8505518V01	VHF Wideband Dipole 7.5", 136-174 MHz	$24.00
X	NAE6546_R	UHF Helical Antenna, 403-435 MHz	$16.50
X	NAE6547_R	UHF Helical Antenna, 435-470 MHz	$16.50
X	NAE6548_R	UHF Helical Antenna, 470-520 MHz	$16.50
X	8505241U03	806-870 MHz Injection Molded Whip Antenna	$35.75
X	NAF5039	800 MHz Dipole Antenna, 806-870 MHz	$35.00
X	8505241U06	806-870 MHz Injection Molded 3.5" Whip Antenna	$25.50
	Service Accessories:		
X	RVN4181	Portable & Mobile Programming Software (CPS) - 3 Year Subscription Package Programs - PR1500 / MT1500 / XTS1500 / XTS2500 / XTS5000 / SSE5000. Compatible with Windows® 95/98/2000 (SP3 or later version) / Millennium (ME) / Windows NT®, and Windows XP®. Uses Ribless programming cables RKN4105 (USB) or RKN4106 (RS232) and must be purchased separately if required. **Note: Software requires a license agreement and is not intended for resale.**	$279.00
X	RKN4105	USB Programming Cable - uses RVN4181 CPS - No RIB Box required.	$237.00
X	RKN4106	RS232 Programming Cable - uses RVN4181 CPS - No RIB Box required.	$251.00
X	8180384M37	Housing Eliminator	$323.00
X	AA0180305G54	Battery Eliminator Cable (requires RLN4510 - 7.5 V)	$60.00
	Manuals:		
X	9985899D01	MT 1500 Basic Service Manual on CD	$10.50
X	9985900D01	MT 1500 Basic Service and Theory Manual on CD	$31.80

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MOTOROLA RADIUS PRICE PAGES
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February 24, 2006

		Discount off List Price (1-10)	Discount off List Price (11-20)	Discount off List Price (21-20)	Discount off List Price (30+)
SECTION 1/A - PORTABLE					
VL50™ Models		15%	15%	15%	15%
CP100™ Models		15%	15%	15%	15%
BPR™ 40 Models		15%	15%	15%	15%
CP125™ Models		15%	15%	15%	15%
CP150™ Models		15%	17%	19%	21%
CP150™ Options		15%	17%	19%	21%
CP200™ Models		15%	17%	19%	21%
CP200™ Options		15%	17%	19%	21%
Portable Accessories		15%	15%	15%	15%
Portable Accessories		15%	15%	15%	15%
Portable Accessories		15%	15%	15%	15%
Portable Accessories		15%	15%	15%	15%
Portable Accessories		15%	15%	15%	15%
SECTION 3/C - MOBILES					
CM200™ / CM300™ Models		15%	17%	19%	21%
CM200™ / CM300™ Options		15%	17%	19%	21%
Mobile Accessories		15%	15%	15%	15%
SECTION 4/D - FIXED					
GR1225™ Repeaters		15%	15%	15%	15%
GR500 X-PAND™ and RKR1225™		15%	15%	15%	15%
100 Watt Repeater		15%	15%	15%	15%
MC1000™, MC2000™ & MC2500™ Desktop Controllers		15%	15%	15%	15%
SECTION 5/F - ACCESSORIES FOR NON-CURRENT RADIOS					
Accessories for Non-Current Radios		5%	5%	5%	5%
Accessories for Non-Current Radios		5%	5%	5%	5%
Accessories for Non-Current Radios		5%	5%	5%	5%
Radio Service Software and Programming Equipment		0%	0%	0%	0%

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MOTOROLA TWO-WAY BRANDED PRICE PAGES
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February 24, 2006

	Discount off List Price (1-10)	Discount off List Price (11-20)	Discount off List Price (21-20)	Discount off List Price (30+)
SECTION 1.0 - MOBILE STATIONS				
MCS2000™ Models/Options/Accessories	15%	15%	15%	15%
ASTRO® Digital XTL ™ 1500 Models/Options	15%	15%	15%	15%
ASTRO® Digital XTL ™ 1500 Accessories	15%	15%	15%	15%
SECTION 1.1 - MOBILE ACCESSORIES				
Spectrum™ LowBand/High Band Mobile Antennas	15%	15%	15%	15%
Spectrum™ High Band/VHF Band Mobile Antennas	15%	15%	15%	15%
Spectrum™ UHF Band/800 & 900 MHz Band Mobile	15%	15%	15%	15%
Spectrum™ 800 & 900 MHz & Special Applications & Mini Mag Antennas	15%	15%	15%	15%
SECTION 2.0 - FIXED STATIONS				
ZETRON Model 48-MAX	5%	5%	5%	5%
MTR2000™ Base Stations/Repeaters	15%	15%	15%	15%
Battery Reverting Charger™	15%	15%	15%	15%
SECTION 2.3 - FIXED STATION CONTROLS				
MC1000™, MC2000™ & MC2500™ Desktop Console	15%	15%	15%	15%
CommandSTAR LITE™ Desktop Console	15%	15%	15%	15%
SECTION 6.1 PRIVACY PLUS TRUNKED SYSTEMS				
GTX™ Mobile Models/Options	15%	15%	15%	15%
GTX™ Mobiles Accessories	15%	15%	15%	15%
ASTRO® Digital XTL™ 1500 Models/Options	15%	15%	15%	15%
ASTRO® Digital XTL™ 1500 Accessories	15%	15%	15%	15%
SECTION 6.2 LTR TRUNKED SYSTEMS				
GTX™ Models/Options	15%	15%	15%	15%
GTX™ Mobiles Accessories	15%	15%	15%	15%
~~**SECTION 7.0 - PAGING PRODUCTS**~~				
~~LS355 Models~~	~~10%~~	~~10%~~	~~10%~~	~~10%~~
~~LS355 Options/Accessories~~	~~10%~~	~~10%~~	~~10%~~	~~10%~~
~~Advisor II POCSAG Models/Options/Accessories~~	~~10%~~	~~10%~~	~~10%~~	~~10%~~
~~Advisor II FLEX Models/Options/Accessories~~	~~10%~~	~~10%~~	~~10%~~	~~10%~~
~~MINITOR V Models/Options/Accessories~~	~~17%~~	~~17%~~	~~17%~~	~~17%~~
SECTION 8.1 - NON-CURRENT RADIOS AND IDEN				
Two Way Accessories	15%	15%	15%	15%
Two Way Accessories	15%	15%	15%	15%
iDEN Portable Accessories	15%	15%	15%	15%
iDEN Mobile Accessories	15%	15%	15%	15%
Radio Service Software and Programming Equipment	0%	0%	0%	0%

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FIXED					
CDR500-CDR700 Repeater Housings		15%	15%	15%	15%
Base/Repeater Interface Package		15%	15%	15%	15%
Repeater Interface Communication Kit™		15%	15%	15%	15%
MC1000™, MC2000™ & MC2500™ Desktop Controllers		15%	15%	15%	15%
MC3000™ Desktop Controllers		15%	15%	15%	15%
CommandSTAR Lite™		15%	15%	15%	15%
Radio Service Software and Programming Equipment		0%	0%	0%	0%

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MOTOROLA PROFESSIONAL CONVENTIONAL PRICE PAGES TABLE OF CONTENTS February 24, 2006

		Discount off List Price (1-10)	Discount off List Price (11-20)	Discount off List Price (21-20)	Discount off List Price (30+)
PORTABLES					
DTR500 / DTR650 Models		15%	15%	15%	15%
PR400™ Models		17%	19%	21%	23%
PR400™ Options		17%	19%	21%	23%
PR860 Models/Options		17%	19%	21%	23%
HT750™ Models/Options		17%	19%	21%	23%
HT1250™ Models		17%	19%	21%	23%
HT1250™ Options		17%	19%	21%	23%
EX500™/EX600 XLS™ Models/Options		17%	19%	21%	23%
HT1550 XLS™ Models/Options		17%	19%	21%	23%
PR1550 Models/Options		17%	19%	21%	23%
Portable Accessories		15%	15%	15%	15%
Portable Accessories		15%	15%	15%	15%
Portable Accessories		15%	15%	15%	15%
Portable Accessories		15%	15%	15%	15%
MOBILES		17%	19%	21%	23%
PM400™ Models		17%	19%	21%	23%
PM400™ Options		17%	19%	21%	23%
CDM750™ Models/Options		17%	19%	21%	23%
CDM1250™ Models/Options		17%	19%	21%	23%
CDM1550™ Models/Options		17%	19%	21%	23%
CDM1550 ls+™ Models/Options		17%	19%	21%	23%
Mobile Accessories		15%	15%	15%	15%
ASTRO® Digital XTL™ 1500 Models/Options		10%	10%	10%	10%
ASTRO® Digital XTL™ 1500 Accessories		10%	10%	10%	10%
~~**PAGERS**~~					
~~Minitor V™ Models/Options~~		~~17%~~	~~17%~~	~~17%~~	~~17%~~
~~Minitor V™ Accessories~~		~~17%~~	~~17%~~	~~17%~~	~~17%~~

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100 Watt Repeater		15%	15%	15%	15%
MTR2000™ Base Station/Repeaters		15%	15%	15%	15%
MX800 Base Station/Repeater		15%	15%	15%	15%
MC1000™, MC2000™ & MC2500™ Desktop Controllers		15%	15%	15%	15%
MC3000™ Desktop Controllers		15%	15%	15%	15%
CommandSTAR Lite™ Desktop Console		15%	15%	15%	15%
Radio Service Software and Programming Equipment		0%	0%	0%	0%

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MOTOROLA PROFESSIONAL TRUNKING PRICE PAGES TABLE OF CONTENTS February 24, 2006

		Discount off List Price (1-10)	Discount off List Price (11-20)	Discount off List Price (21-20)	Discount off List Price (30+)
PORTABLES					
PR™ Models		17%	19%	21%	23%
PR™ Options		17%	19%	21%	23%
HT1250•LS+™ VHF & UFH Models		17%	19%	21%	23%
HT1250•LS+™ 200 & 700 MHz Models		17%	19%	21%	23%
HT1250•LS+™ Options		17%	19%	21%	23%
HT1550•XLS+™ Models/Options		17%	19%	21%	23%
EX600•XLS™ Models/Options		17%	19%	21%	23%
PR/HT/EX Portables Accessories		15%	15%	15%	15%
PR/HT/EX Portables Accessories		15%	15%	15%	15%
PR/HT/EX Portables Accessories		15%	15%	15%	15%
PR/HT/EX Portables Accessories		15%	15%	15%	15%
MTX850™/MTX950™/MTX8250™		17%	19%	21%	23%
MTX9250™ Models/Options		17%	19%	21%	23%
MTX850•LS™ Models/Options		17%	19%	21%	23%
MTX8250•LS™ Models/Options		17%	19%	21%	23%
MTX850™/MTX950™/MTX8250™		17%	19%	21%	23%
MTX9250™/MTX850•LS™/MTX8250•LS™ Accessories		15%	15%	15%	15%
MOBILES		17%	19%	21%	23%
PM400™ Models		17%	19%	21%	23%
PM400™ Options		17%	19%	21%	23%
CDM1550•LS+™ VHF/UHF Models		17%	19%	21%	23%
CDM1550•LS+™ 200 & 700 MHz Models		17%	19%	21%	23%
CDM1550•LS+™ Options		17%	19%	21%	23%
Mobile Accessories		15%	15%	15%	15%
ASTRO® Digital XTL™1500 Models/Options		10%	10%	10%	10%
ASTRO® Digital XTL™1500 Accesssories		10%	10%	10%	10%
FIXED					
Trunking Systems		15%	15%	15%	15%
Trunking Systems		15%	15%	15%	15%
Trunking Systems		15%	15%	15%	15%
Trunking Systems		15%	15%	15%	15%
Trunking Systems		15%	15%	15%	15%
GR1225™ Repeaters		15%	15%	15%	15%
GR500 X-Pand™ & RKR1225™ Desktop Controllers		15%	15%	15%	15%

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Motorola Wireless Networking Solutions
Motorola Canopy

		Discount off List Price (1-10)	Discount off List Price (11-20)	Discount off List Price (21-20)	Discount off List Price (30+)
All Items		5%	5%	5%	5%
Radio Service Software and Programming Equipment		0%	0%	0%	0%

<u>Product</u>
Land Mobile Accessory

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Motorola Accessories
Antennas, Batteries, Replacement Parts and Kits, Site Equipment, Test Equipment

		Discount off List Price (1-10)	Discount off List Price (11-20)	Discount off List Price (21-20)	Discount off List Price (30+)
All Items		15%	15%	15%	15%
Radio Service Software and Programming Equipment		0%	0%	0%	0%

<u>Product</u>
Land Mobile Accessories
Antenna Systems
Site Hardware
Etc.

D
M
P

New England Communications Systems, Inc.
15 Industrial Park Place
Middletown, CT 06457

Motorola Powerware
Coverage Extension Solutions

		Discount off List Price (1-10)	Discount off List Price (11-20)	Discount off List Price (21-20)	Discount off List Price (30+)
All Items		5%	5%	5%	5%
Radio Service Software and Programming Equipment		0%	0%	0%	0%

Product
Land Mobile Accessories

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FEBRUARY 24, 2006

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Date 1/9/06

SUGGESTED RETAIL

PR400™ PORTABLES

VHF & UHF Models - 12.5/25 kHz

All PR400 portable models include:
- **Standard Battery (Slim Li-ion, 1600 mAh, 7.2V Battery - NNTN4970)**
- **Standard Charger (120 Volt - 90 Minute Rapid Rate Charger - WPLN4138_R)**
- **Standard Antenna (VHF Heliflex - NAD6502_R / UHF Whip - NAE6483_R)**
- **3" Belt Clip (HLN8255)**
- **Operating Instruction Manual**
- **2 Year Warranty**

Features:
- **16, 32 & 64 Conv Channel Models**
- **12.5/25 kHz Switchable Chan Spacing**
- **8 Character Alphanumeric Display (32/64 Ch)**
- **2 Programmable Buttons (16 Ch)**
- **4 Programmable Buttons (32/64 Ch)**
- **X-Pand™ Technology**
- **Dual Priority Scan**
- **Option Board Expandability**

LTR® Features:
- **Up to 4 Sites & 16 Talkgroups (16 Ch)**
- **Up to 10 Sites & 100 Talkgroups (32/64 Ch)**
- **Up to 20 Repeaters per Site**
- **Up to 4 Universal IDs per System (16 Ch)**
- **Up to 16 Universal IDs per System (32/64 Ch)**
- **UHF and VHF Frequencies**
- **Combined System Scan**
- **User Programmable Scan & Phone Lists**
- **Data Operated Squelch (DOS)**

Programmable Button Features:
- **Monitor**
- **High / Low Power**
- **Channel Scan**
- **Nuisance Channel Delete**
- **2 Memory Channels**
- **PL/DPL Edit (32/64 Ch)**
- **Repeater / Talkaround**
- **Volume Set**
- **Tight / Normal Squelch**
- **VOX On / Off**
- **Battery Indicator (32/64 Ch)**

Conventional/LTR® Signaling Features - All models:
- **MDC1200 PTT ID (Numeric ID - Encode)**
- **MDC1200 Radio Check (Decode)**
- **MDC1200 Selective Radio Inhibit (Decode)**
- **MDC1200 Selective Call (16 Ch - Decode Only / 32 Ch & 64 Ch Encode/Decode)**
- **Quik Call II Selective Call (Decode - Conv. Only)**
- **Quik Call II Call Alert (Decode - Conv. Only)**
- **DTMF PTT ID (Encode - Conv. Only)**

Conventional/LTR® Signaling Features - 32 & 64 Ch. Models:
- **MDC1200 PTT ID (Numeric ID - Decode)**
- **Quik Call II Call Alert (Encode - Conv. Only)**
- **Quik Call II Selective Call (Encode - Conv. Only)**
- **DTMF Call Alert (Encode - Conv. Only)**
- **DTMF Selective Call (Encode - Conv. Only)**

The following frequencies are not allowed:

151.19375	168.000	403.20625	436.800	443.94375	443.96875	488.32625	488.35125
151.200	168.00625	419.99375	436.80625	443.950	470.39375	488.3325	488.3575
151.20625	403.49375	420.000	443.93125	443.95625	470.400	488.33875	
167.99375	403.200	436.79375	443.9375	443.9625	470.40625	488.345	

420.006250 (420 MHz +/- 6.25 kHz) **488.36375 (488.345 MHz +/- 18.75 kHz)**

BAND SPLIT	BAND	PWR	CHAN	CATALOG NUMBER	MANUF.SUGG. RETAIL PRICE
136-162 MHz	VHF	1-5W	16	AAH65JDC9AA2_N	$552
			32	AAH65JDF9AA3_N (Display-Limited Keypad)	$603
			64	AAH65JDH9AA4_N (Display-Full Keypad)	$655
146-174 MHz	VHF	1-5W	16	AAH65KDC9AA2_N	$552
			32	AAH65KDF9AA3_N (Display-Limited Keypad)	$603
			64	AAH65KDH9AA4_N (Display-Full Keypad)	$655
403-440 MHz	UHF	1-4W	16	AAH65QDC9AA2_N	$586
			32	AAH65QDF9AA3_N (Display-Limited Keypad)	$638
			64	AAH65QDH9AA4_N (Display-Full Keypad)	$690
438-470 MHz	UHF	1-4W	16	AAH65RDC9AA2_N	$586
			32	AAH65RDF9AA3_N (Display-Limited Keypad)	$638
			64	AAH65RDH9AA4_N (Display-Full Keypad)	$690
465-495 MHz	UHF	1-4W	16	AAH65SDC9AA2_N	$586
			32	AAH65SDF9AA3_N (Display-Limited Keypad)	$638
			64	AAH65SDH9AA4_N (Display-Full Keypad)	$690

FCC INFORMATION: ABZ99FT3039 (VHF 136-162 MHz) / ABZ99FT3045 (VHF 146-174 MHz) / ABZ99FT4057 (UHF 403-440 MHz) / ABZ99FT4056 (UHF 438-470 MHz) / ABZ99FT4058 (UHF 465-495 MHz)

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Date 1/27/06

SUGGESTED RETAIL

PR400™ PORTABLE OPTIONS

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE FOR STEP 1

STEP 1:

Radio Configuration Options:

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
STDPKG0018	Slim Li-ion, 1600 mAh, 7.2V Battery (NNTN4970) and 90 Minute Rapid Rate Charger (WPLN4138_R)	N/C
Q651	Li-ion, 2250 mAh, 7.5V Battery (NNTN4497_R) and 90 Minute Rapid Rate Charger (WPLN4138_R)	$7.00
Q794	NiMH, 1400 mAh, 7.5V Battery (NNTN4851) and 90 Minute Rapid Rate Charger (WPLN4138_R)	-$10.00
Q795	NiMH, 1300 mAh, 7.5V Battery - Intrinsically Safe (FM) (NNTN4852) and 90 Minute Rapid Rate Charger (WPLN4138_R)	$53.00
Q624	NiCd, 1100 mAh, 7.5V Battery (NNTN4496_R) and 90 Minute Rapid Rate Charger (WPLN4138_R)	-$15.00

Omit Charger Options:

Q648	Slim Li-ion, 1600 mAh, 7.2V Battery (NNTN4970) and No Charger	-$10.00
Q653	Li-ion, 2250 mAh, 7.5V Battery (NNTN4497_R) and No Charger	-$5.00
Q878	NiMH, 1400 mAh, 7.5V Battery (NNTN4851) and No Charger	-$20.00
Q869	NiMH, 1300 mAh, 7.5V Battery - Intrinsically Safe (FM) (NNTN4852) and No Charger	$50.00
Q652	NiCd, 1100 mAh, 7.5V Battery (NNTN4496_R) and No Charger	-$25.00

General Options:

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
QA00097	Remote Speaker Microphone with Coiled Cord and Swivel Clothing Clip (HMN9030)	$73.50
QA00098	Earbud with Clip Microphone and PTT, Transmit & Receive (2-wire - not recommended for use with PL codes above 225 Hz - HMN9036)	$40.00
QA00099	Ultra-Light Headset, Behind-the-Head with In-Line PTT and Boom Microphone (RLN5411)	$60.00
QA00194	VHF 146-162 MHz, 3" Stubby Antenna (HAD9742)	$9.75
QA00189	VHF 162-174 MHz, 3" Stubby Antenna (HAD9743)	$9.75
QA00190	UHF 438-470 MHz, 3" Stubby Antenna (NAE6522_R)	$11.25
QA00191	UHF 470-512 MHz, 3" Stubby Antenna (8505816K26)	$11.25
Q884	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$25.00
H885	Express Service Plus Plan (ESP) 2 Year - Provides for 2 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$48.00

Portables - Page 3

Date 1/9/06

SUGGESTED RETAIL

HT1250·LS+™
VHF / UHF PORTABLE

LTR®/PassPort® Trunking Models-Switchable 12.5/20/25 kHz

All HT1250·LS+ portable models include:
- **Standard Battery (NiMH, 1500 mAh, 7.5V - HNN9008_R)**
- **Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)**
- **Standard Antenna (VHF NAD6502_R / UHF NAE6483_R)**
- **2.5" Belt Clip (HLN9714)**
- **14 Character Alphanumeric Display**
- **7 Programmable Buttons**
- **Two Year Warranty**
- **Operating Instruction Manual**

Programmable Features:

Conventional/LTR®/PassPort®
- **System, All Group, Auto Group Scan (Conventional & LTR®)**
- **Dual Priority Scan (Conventional Operation Only)**
- **Home Channel Revert (LTR® & PassPort®)**
- **12.5/25 kHz Switchable Channel Spacing**
- **X-Pand™ Companding Technology**
- **Telephone Interconnect**
- **Adjustable Power Levels**
- **Voice Storage**

Additional PassPort® Features:
- **PassPort® Group Scan**
- **Seamless Roaming**
- **Automatic Registration/Deregistration (upon power up and power down)**
- **PTT ID Aliasing & MIN on Display**
- **Unique ESN (Electronic Serial Number)**
- **Direct Frequency Assignment**
- **Home System Lookback**
- **Selective Radio Inhibit (Decode)**
- **Roam Request**
- **Site/MIN View**
- **Selective Call / Call Alert**
- **Roam Lock**
- **Site / Talkgroup Restriction (requires NTS option)**
- **NTIA Band 9 MHz Rx/Tx Support - UHF Only**

LTR® Protocol - MDC1200 Signaling:
- **Call Alert (Encode/Decode)**
- **Selective Call (Encode/Decode)**
- **PTT-ID (Encode/Decode)**
- **Radio Check (Encode/Decode)**

32 Channel Models also include:

LTR® Protocol - MDC1200 Signaling:
- **Emergency Alert (Encode)**
- **Status (Encode)**
- **Message (Encode/Decode)**

Conventional Mode - MDC1200 Signaling:
- **Call Alert (Encode/Decode)**
- **Selective Call (Encode/Decode)**
- **PTT-ID (Encode/Decode)**
- **Radio Check (Encode/Decode)**
- **Emergency Alert (Encode)**
- **Status (Encode)**
- **Message (Encode/Decode)**

Conventional Mode - Signaling:
- **Quik Call II (Encode/Decode)**

Limited Keypad

Full Keypad

The following frequencies are not allowed:

151.200	419.195	436.805	459.905	494.955
168.000	420.000	453.695	468.300	498.830
403.195	420.005	453.600	469.105	502.710
403.200	436.795	453.605	470.400	504.000
403.205	436.800	457.805	483.320	507.875
				511.755

BAND SPLIT	BAND	PWR	TRUNK ZONES/ TALKGROUPS	CONV CHAN	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
136-174 MHz	VHF	1W to 5W (ships 5W)	15/16	16	AAH25KDF9DP5_N (Ltd Keypad)	$807
					AAH25KDH9DP6_N (Full Keypad)	$873
				32	AAH25KDF9DP7_N (Ltd Keypad)	$892
					AAH25KDH9DP9_N (Full Keypad)	$983
403-470 MHz	UHF	1W to 4W (ships 4W)	15/16	16	AAH25RDH9DP5_N (Ltd Keypad)	$832
					AAH25RDH9DP6_N (Full Keypad)	$898
				32	AAH25RDH9DP7_N (Ltd Keypad)	$917
					AAH25RDH9DP9_N (Full Keypad)	$1,008
450-512 MHz	UHF	1W to [illegible]	15/16	16	AAH25SDH9DP5_N (Ltd Keypad)	$832
					AAH25SDH9DP6_N (Full Keypad)	$898
				32	AAH25SDH9DP7_N (Ltd Keypad)	$917
					AAH25SDH9DP9_N (Full Keypad)	$1,008

FCC INFORMATION AZ489FT3794 (136-174 MHz) / AZ489FT4826 (403-470 MHz) / AZ489FT4834 (450-512 MHz)

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Date 1/9/06

SUGGESTED RETAIL

HT1250·LS+™
200 & 700 MHz PORTABLE
LTR®/PassPort® Trunking Models - 12.5 kHz

All HT1250·LS+ portable models include:

- **Standard Battery (NiMH, 1500 mAh, 7.5V - HNN9008_R)**
- **Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)**
- **Standard Antenna (216-225 MHz Helical HKAD4000 / 746-794 MHz 1/2 Wave Whip NAF5083)**
- **2.5" Belt Clip (HLN9714)**
- **14 Character Alphanumeric Display**
- **7 Programmable Buttons**
- **Two Year Warranty**
- **Operating Instruction Manual**

Limited Keypad

Full Keypad

Programmable Features:

Conventional/LTR® Protocol

- **System, All Group, Auto Group Scan (Conventional & LTR®)**
- **Dual Priority Scan (Conventional Operation Only)**
- **Home Channel Revert (LTR® & PassPort®)**
- **X-Pand™ Companding Technology**
- **Telephone Interconnect**
- **Battery Status Indicator**
- **Adjustable Power Levels**
- **Clock and Alarm**
- **Voice Storage**

Additional PassPort® Features

- **PassPort® Group Scan**
- **Seamless Roaming**
- **Automatic Registration/Deregistration (upon power up and power down)**
- **PTT ID Aliasing & MIN on Display**
- **Unique ESN (Electronic Serial Number)**
- **Direct Frequency Assignment**
- **Home System Lookback**
- **Selective Radio Inhibit (Decode)**
- **Roam Request**
- **Site/MIN View**
- **Selective Call / Call Alert**
- **Roam Lock**
- **Site / Talkgroup Restriction (requires NTS option)**

Conventional & LTR® Modes - MDC1200 Signaling

- **Call Alert (Encode/Decode)**
- **Selective Call (Encode/Decode)**
- **PTT-ID (Encode/Decode)**
- **Radio Check (Encode/Decode)**
- **Status (Encode)**
- **Message (Encode/Decode)**

The following frequency bands are not allowed:

216-217	**Rx: 747-762, 764-794**
218-219	**Tx: 747-762, 764-776, 777-792**

BAND SPLIT	BAND	PWR	TRUNK ZONES/ TALKGROUPS	CONV CHAN	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
217-218 MHz 219-222 MHz	200 MHz	1W or 5W (ships 5W)	15/16	16	AAH25MDF4DP5_N (Ltd Keypad)	$832
					AAH25MDH4DP6_N (Full Keypad)	$898
Rx: 746-747 MHz 762-764 MHz Tx: 746-747 MHz T/A 762-764 MHz T/A 776-777 MHz 792-794 MHz	700 MHz	1W or 2.5W (ships 2.5W)	15/16	16	AAH255CF4DP5_N (Ltd Keypad)	$832
					AAH255CH4DP6_N (Full Keypad)	$898

FCC INFORMATION: ABZ99FT3080 (217-218, 219-222 MHz) / ABZ99FT5000 (746-747, 762-764, 776-777, 792-794 MHz)

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HT1250·LS+™ PORTABLE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE

INTRINSICALLY SAFE (FM): Q390 (HNN9010_R) and H236 (HNN9011_R) are rated Intrinsically Safe for use in Division 1, Classes I, II, III, Groups C, D, E, F and G.

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

STEP 1:

Battery Choices:

STDBAT0008	Standard Battery (NiMH, 1500 mAh, 7.5V - HNN9008_R)	N/C
Q390	NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN9010_R)	$62.00
Q508	NiMH, 1900 mAh, 7.5V Battery (HNN9009_R)	$13.00
H236	NiCd, 1200 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN9011_R)	$53.00
H225	NiCd, 1300 mAh, 7.5V Battery (HNN9012_R)	$5.00
H229	Li-ion, 1500 mAh, 7.5V Battery (HNN9013_R)	$40.00
	impres™ Batteries:	
QA00051	impres™, NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN4002)	$70.00
QA00059	impres™, NiMH, 1900 mAh, 7.5V Battery (HNN4001)	$22.00
QA00060	impres™, Li-ion, 2000 mAh, 7.5V Battery (HNN4003)	$48.00

STEP 2:

Charger Choices:

STDCHG0008	Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)	N/C
H951	Omit 120 Volt Rapid Rate Charger	-$20.00
	impres™ Charger:	
QA00061	impres™ Single Unit Charger (WPLN4182)	$35.00

STEP 3:

Carry Holder Choices:

STDBLT0008	Standard Belt Clip (HLN9714)	N/C
H301	Omit Standard Belt Clip	-$5.00

STEP 4:

Antenna Choices:

STDANT0008	Standard Antenna (VHF NAD6502_R/UHF NAE6483_R/200 MHz HKAD4000/ 700 MHz NAF5083)	N/C
Q46	VHF 148-161 MHz ONLY Whip Antenna (Enhanced Performance, 7.5" - NAD6579)	N/C
QA00062	UHF 430-470 MHz Stubby Antenna (PMAE4003)	-$2.00
H112	Omit Standard Antenna	-$3.50

STEP 5:

Shipping Box Choices:

STDBOX0008	Standard Model Box	N/C
H415	Bulk Packaging (minimum 10 units per line item)	N/C

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE

General Options:

QA00097	Remote Speaker Microphone with Coiled Cord & Swivel Clothing Clip - Intrinsically Safe (FM) (AAHMN9052)	$66.25
QA00100	Noise Cancelling Remote Speaker Microphone with Coiled Cord, Swivel Clothing Clip & 3.5mm Audio Jack - Intrinsically Safe (FM) (AAHMN9053)	$72.50
QA00101	2-Wire Comfort Earpiece with Combined Microphone and PTT, Black. Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise Enhancement (NTN8371) already attached for extra comfort and convenience (RLN5315).	$108.00

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Date 1/9/06

SUGGESTED RETAIL

HT1250·LS+™ PORTABLE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
General Options continued:		
QA00102	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM) (AARMN4018)	$100.00
QA00103	Travel Charger (includes voltage regulated lighter adapter, custom charger base, coil cord and mounting bracket - RLN4883)	$89.25
Q884	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$31.00
H886	Express Service Plus Plan (ESP) 3 Year - Provides for 3 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$89.00

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Date 1/9/06

HT1550·XLS™ PORTABLE

SUGGESTED RETAIL

VHF/UHF LTR® Models - Switchable 12.5/20/25 kHz

All HT1550•XLS portable models include:

- **Standard Battery (NiMH, 1500 mAh, 7.5V - HNN9008_R)**
- **Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)**
- **Standard Antenna (VHF NAD6502_R / UHF NAE6483_R)**
- **2.5" Belt Clip (HLN9714)**
- **Two Year Warranty**
- **User Guide**

Features:

- **Up to 160 Conventional Channels and/or 15 Trunked Zones**
- **Up to 99 Channels per Conventional Zone and up to 16 Talkgroups per LTR® Zone**
- **Front Panel Programmable (when using Q409 option or NNTN4503_R)**
- **Four Line 14 Character Alphanumeric Display**
- **7 Programmable Buttons with 23 Selectable Features**
- **Channel / Zone Selection Programmable on Top or Front of the Radio**
- **12.5/25 kHz Switchable Channel Spacing**
- **X-Pand™ Technology**
- **Internal VOX**
- **Telephone Interconnect**
- **Built in Voice Storage with Answer Mode**
- **Internal Noise Cancelling Microphone**
- **Home Channel Revert (LTR® Operation Only)**
- **Home Channel Revert Auto Key (LTR® Operation Only)**
- **Dual Priority Scan (Conv. Only)**
- **Status Message**
- **Quik Call II (Conv. Only)**
- **Call Stacking**

MDC Signaling on Conventional and LTR® Modes:

- **MDC1200 Call Alert (Encode/Decode)**
- **MDC1200 Selective Call (Encode/Decode)**
- **MDC1200 PTT-ID (Alphanumeric ID-Encode/Decode)**
- **MDC1200 Radio Check (Encode/Decode)**
- **MDC1200 Selective Radio Inhibit (Decode)**
- **MDC1200 Emergency (Encode)**
- **MDC1200 Emergency (Encode/Decode - Decode available only with Firmware R05.08.02 and CPS R06.05.00 or later)**

The following frequencies are not allowed:

151.200	419.195	436.805	470.400	504.000
168.000	420.000	453.595	472.505	507.880
403.195	420.005	453.600	494.950	510.305
403.200	436.795	453.605	498.835	511.755
403.205	436.800	459.900	502.710	

BAND SPLIT	BAND	PWR	TRUNK ZONES/ TALKGROUPS	CONV CHAN	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
136-174 MHz	VHF	1W to 5W (ships 5W)	15/16	160	AAH25KDN9DU8_N	$1,050
403-470 MHz	UHF	1W to 4W (ships 4W)	15/16	160	AAH25RDN9DU8_N	$1,100
450-512 MHz	UHF	1W to 4W (ships 4W)	15/16	160	AAH25SDN9DU8_N	$1,100

FCC INFORMATION AZ489FT3794 (136-174 MHz) / AZ489FT4826 (403-470 MHz) / AZ489FT4834 (450-512 MHz)

LTR® is a registered trademark of E.F. Johnson Co.

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Date 1/9/06

SUGGESTED RETAIL

HT1550·XLS™ PORTABLE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE

INTRINSICALLY SAFE (FM): Q390 (HNN9010_R) and H236 (HNN9011_R) are rated Intrinsically Safe for use in Division 1, Classes I, II, III, Groups C, D, E, F and G.

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

STEP 1:

Battery Choices:

STDBAT0841	Standard Battery (NiMH, 1500 mAh, 7.5V - HNN9008_R)	N/C
Q390	NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN9010_R)	$62.00
Q508	NiMH, 1900 mAh, 7.5V Battery (HNN9009_R)	$13.00
Q409	NiMH, 1500 mAh, 7.5V Battery - Front Panel Programmable (NNTN4503_R)	$33.00
H236	NiCd, 1200 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN9011_R)	$53.00
H225	NiCd, 1300 mAh, 7.5V Battery (HNN9012_R)	$5.00
H229	Li-ion, 1500 mAh, 7.5V Battery (HNN9013_R)	$40.00
	impres™ Batteries:	
QA00051	impres™, NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN4002)	$70.00
QA00059	impres™, NiMH, 1900 mAh, 7.5V Battery (HNN4001)	$22.00
QA00060	impres™, Li-ion, 2000 mAh, 7.5V Battery (HNN4003)	$48.00

STEP 2:

Charger Choices:

STDCHG0841	Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)	N/C
H951	Omit 120 Volt Rapid Rate Charger	-$20.00
	impres™ Charger:	
QA00061	impres™ Single Unit Charger (WPLN4182)	$35.00

STEP 3:

Carry Holder Choices:

STDBLT0841	Standard Belt Clip (HLN9714)	N/C
H301	Omit Standard Belt Clip	-$5.00

STEP 4:

Antenna Choices:

STDANT0841	Standard Antenna (VHF NAD6502_R / UHF NAE6483_R)	N/C
Q46	VHF 148-161 MHz ONLY Whip Antenna (Enhanced Performance, 7.5" - NAD6579)	N/C
QA00062	UHF 430-470 MHz Stubby Antenna (PMAE4003)	-$2.00
H112	Omit Standard Antenna	-$3.50

STEP 5:

Shipping Box Choices:

STDBOX0841	Standard Model Box	N/C
H415	Bulk Packaging (minimum 10 units per line item)	N/C

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE

General Options:

QA00097	Remote Speaker Microphone with Coiled Cord & Swivel Clothing Clip - Intrinsically Safe (FM) (AAHMN9052)	$66.25
QA00100	Noise Cancelling Remote Speaker Microphone with Coiled Cord, Swivel Clothing Clip & 3.5mm Audio Jack - Intrinsically Safe (FM) (AAHMN9053)	$72.50

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SUGGESTED RETAIL

HT1550·XLS™ PORTABLE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
General Options continued:		
QA00101	2-Wire Comfort Earpiece with Combined Microphone and PTT, Black. Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise Enhancement (NTN8371) already attached for extra comfort and convenience (RLN5315).	$108.00
QA00102	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM) (AARMN4018)	$100.00
QA00103	Travel Charger (includes voltage regulated lighter adapter, custom charger base, coil cord and mounting bracket - RLN4883)	$89.25
Q884	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$31.00
H886	Express Service Plus Plan (ESP) 3 Year - Provides for 3 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$89.00

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SUGGESTED RETAIL

EX600·XLS™ PORTABLE

VHF & UHF Models - 12.5/20/25 kHz

All EX600·XLS portable models include:
- **Standard Battery (Li-ion, 1300 mAh, 7.5V - JMNN4024_R)**
- **Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)**
- **Standard Antenna (VHF option must be ordered / UHF NAE6483_R)**
- **Carry Holster (JMZN4023)**
- **Three Year Warranty**
- **Operating Instruction Manual**

Features:
- **Up to 160 Conventional Channels and/or 15 Trunked Zones**
- **Up to 99 Channels per Conventional Zone and up to 16 Talkgroups per LTR® Zone**
- **12.5/20/25 kHz Switchable Channel Spacing**
- **Small Size and Light Weight**
- **14 Character Alphanumeric Display**
- **Telephone Interconnect and Full DTMF Keypad with Menu Keys**
- **2 Programmable Side Buttons**
- **3 Programmable Front Buttons**
- **Programmable Emergency Button**
- **X-Pand™ Technology**
- **Internal VOX**
- **Priority or Dual Priority Scan (Conv. Only)**
- **Channel/Zone Selection Programmable on Top or Front of the radio**
- **Busy Channel Lockout**
- **Home Channel Revert (LTR® Operation Only)**
- **Clock and Alarm**
- **Adjustable Power Levels**
- **Battery Gauge and RSSI Indicator**
- **Quik Call II Encode/Decode (Conv. Only)**

Programmable Buttons:
- **High/Low Power**
- **Channel Scan**
- **Repeater/Talkaround**
- **Home Channel Revert Auto Key (LTR® Mode)**
- **Monitor**
- **Emergency**
- **Light**
- **Radio Call**
- **Tight/Normal Squelch**
- **Keypad Lock**
- **Volume Set**
- **Speed Dial**

MDC Signaling on Conventional and LTR® Modes:
- **MDC1200 Emergency Signaling (Encode)**
- **MDC1200 Call Alert (Encode/Decode)**
- **MDC1200 PTT ID (Alphanumic ID-Encode/Decode)**
- **MDC1200 Selective Call (Encode/Decode)**
- **MDC1200 Radio Check (Encode/Decode)**
- **MDC1200 Selective Radio Inhibit (Decode)**

The following frequencies are not allowed:

151.200	403.200	420.000	436.805	470.405
151.205	403.205	422.580	453.595	487.195
167.995	407.075	432.925	453.600	487.200
168.000	412.250	436.795	453.605	487.205
168.005	414.835	436.800	470.395	504.000

BAND SPLIT	BAND	PWR	CONV CHAN	TRUNK ZONES/ TALKGROUPS	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
136-174 MHz	VHF	1W to 5W (ships 5W)	160	15/16	AAH38KDH9DU6_N	$1,015
403-470 MHz	UHF	1W to 4W (ships 4W)	160	15/16	AAH38RDH9DU6_N	$1,075
450-512 MHz				15/16	AAH38SDH9DU6_N	$1,075

FCC INFORMATION AZ489FT3801 (136-174 MHz) / AZ489FT4844 (403-470 MHz) / AZ489FT4845 (450-512 MHz)

EX600·XLS™ PORTABLE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE

INTRINSICALLY SAFE (FM): H236 (JMNN4025_R) is rated Intrinsically Safe for use in Division 1, Classes I, II, III, Groups C, D, E, F and G.

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

STEP 1:

Battery Choices:

STDBAT0004	Standard Battery (Li-ion, 1300 mAh, 7.5V - JMNN4024_R)	N/C
H236	NiMH, 700 mAh, 7.5V Battery - (5 Hour Average Battery Life with 5/5/90 Duty Cycle) - Intrinsically Safe (FM) (JMNN4025_R)	-$9.50
H229	Li-ion, 1000 mAh, 7.5V Slim Battery (JMNN4023_R)	-$13.50

STEP 2:

Charger Choices:

STDCHG0004	Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)	N/C
H951	Omit 120 Volt Rapid Rate Charger	-$20.00

STEP 3:

Carry Holder Choices:

STDBLT0004	Standard Carry Holster (JMZN4023)	N/C
H317	Omit Standard Carry Holster	-$3.50

STEP 4:

Antenna Choices:

STDANT0004	Standard Antenna (UHF only - NAE6483_R)	N/C
Q634	VHF 150-162 MHz Broadband Antenna (NAD6502_R)	N/C
H128	VHF 136-155 MHz Helical Antenna (8504762J01)	N/C
Q46	VHF 148-161 MHz ONLY Whip Antenna (Enhanced Perf., 7.5" - NAD6579)	N/C
H65	VHF 150-161 MHz Helical Antenna (PMAD4023)	N/C
H129	VHF 155-174 MHz Helical Antenna (8504762J02)	N/C
QA00062	UHF 430-470 MHz Stubby Antenna (PMAE4003)	-$2.00
H112	Omit Standard VHF & UHF Antenna	-$3.50

STEP 5:

Shipping Box Choices:

STDBOX0004	Standard Model Box	N/C
H415	Bulk Packaging (minimum 20 units per line item)	N/C

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE

General Options:

Q884	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$27.00

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SUGGESTED RETAIL

PROFESSIONAL TRUNKING PORTABLE ACCESSORIES

PR400	HT1250·LS+	HT1550·XLS	EX600·XLS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
INTRINSICALLY SAFE (FM): JMNN4025 (H236), PMNN4019_R (H236), HNN9010_R (Q390) and HNN9011_R (H236) are rated Intrinsically Safe for use in Division 1, Classes I, II, III, Groups C, D, E, F and G.						
				Batteries:		
			X	JMNN4025_R	NiMH, 700 mAh, 7.5V Battery - (5 Hour Average Battery Life with 5/5/90 Duty Cycle) - Intrinsically Safe (FM)	$95.00
	X	X		WPNN4045_R	NiMH, 1200 mAh, 7.5V Battery	$54.00
X				NNTN4852	NiMH, 1300 mAh, 7.5V Battery - Intrinsically Safe (FM) (only comp. with WPLN4138_R & WPLN4161_R)	$110.00
X				NNTN4851	NiMH, 1400 mAh, 7.5V Battery (comp. with WPLN4138_R & WPLN4161_R)	$63.00
		X		NNTN4503_R	NiMH, 1500 mAh, 7.5V Battery - Front Panel Programmable	$95.00
	X	X		HNN9008_R	NiMH, 1500 mAh, 7.5V Battery (Resale Packaging available through RPSD)	$64.00
	X	X		HNN9010_R	NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM)	$115.00
	X	X		HNN9009_R	NiMH, 1900 mAh, 7.5V Battery	$75.00
X				NNTN4496_R	NiCd, 1100 mAh, 7.2V Battery	$60.00
	X	X		HNN9011_R	NiCd, 1200 mAh, 7.5V Battery - Intrinsically Safe (FM)	$111.00
	X	X		HNN9012_R	NiCd, 1300 mAh, 7.5V Battery (Resale Packaging available through RPSD)	$65.00
			X	JMNN4023_R	Slim Li-ion, 1000 mAh, 7.5V Battery	$89.00
X				NNTN4970	Slim Li-ion, 1600 mAh, 7.2V Battery (comp. with WPLN4138_R & WPLN4161_R)	$105.00
			X	JMNN4024_R	Li-ion, 1300 mAh, 7.5V Battery	$108.00
	X	X		HNN9013_R	Li-ion, 1500 mAh, 7.5V Battery (Resale Packaging available through RPSD)	$100.00
X				NNTN4497_R	Li-ion, 2250 mAh, 7.5V Battery (only comp. with WPLN4138_R & WPLN4161_R)	$85.00
				impres™ - Intelligent Motorola Portable Radio Energy System:	**The impres™ smart energy system ensures maximum talk-time and optimized battery cycle life through the use of its advanced charging technology and automatic reconditioning features.**	
	X	X		HNN4002	IMPRES™, NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM)	$125.00
	X	X		HNN4001	IMPRES™, NiMH, 1900 mAh, 7.5V Battery	$82.00
	X	X		HNN4003	IMPRES™, Li-ion, 2000 mAh, 7.5V Battery	$108.00
				Carry Cases & Accessories:		
			X	PMLN4521	Soft Leather Case with Fixed Swivel Clip & D-Rings (EX600·XLS models only)	$24.00
			X	PMLN4520	Hard Leather Case with Swivel Clip & D-Rings (EX600·XLS models only)	$38.00
X				RLN5496	Leather DTMF Case with 2.5" Swivel (for use with Full Display models)	$45.00
X				RLN5641	Leather DTMF Case with 2.5" Swivel (for use with Limited Display models)	$45.00
X				RLN5497	Leather DTMF Case with 3" Swivel (for use with Full Display models)	$45.00
X				RLN5642	Leather DTMF Case with 3" Swivel (for use with Limited Display models)	$45.00
X				RLN5498	Leather DTMF Case with Belt Loop (for use with Full Display models)	$39.00
X				RLN5640	Leather DTMF Case with Belt Loop (for use with Limited Display models)	$39.00
	X			HLN9689	Leather DTMF Case with Belt Loop (HT750 Keypad & all HT1250 & HT1250•LS+ models - for use with NiMH & NiCd Batteries)	$51.00
	X			HLN9677	Leather DTMF Case with Belt Loop (HT750 Keypad & all HT1250 & HT1250•LS+ models - for use with Li-ion Batteries)	$51.00
		X		HLN9698	Leather DTMF Case with Belt Loop (for use with NiMH & NiCd Batteries)	$51.00
		X		HLN9695	Leather DTMF Case with Belt Loop (for use with Li-ion Batteries)	$51.00

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SUGGESTED RETAIL

PROFESSIONAL TRUNKING PORTABLE ACCESSORIES

PR400	HT1250·LS+	HT1550·XLS	EX600·XLS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
				Carry Cases & Accessories continued:		
X				RLN5383	Leather Case with Belt Loop (for use with Non-Display models)	$39.00
	X			HLN9946	Leather Keypad Case with Belt Loop (Resale Packaging available through RPSD) (HT1250 & HT1250•LS+ Limited Keypad models - for use with NiMH & NiCd Batteries)	$51.00
	X			HLN9945	Leather Keypad Case with Belt Loop (HT1250 & HT1250•LS+ Limited Keypad models - for use with Li-ion Batteries)	$51.00
X				RLN5384	Leather Case with 2.5" Swivel (for use with Non-Display models)	$45.00
X				RLN5385	Leather Case with 3" Swivel (for use with Non-Display models)	$45.00
	X			HLN9998	Leather Keypad Case with Swivel (HT1250 & HT1250•LS+ Limited Keypad models - for use with NiMH & NiCd Batteries)	$59.00
	X			HLN9955	Leather Keypad Case with Swivel (HT1250 & HT1250•LS+ Limited Keypad models - for use with Li-ion Batteries)	$59.00
	X			HLN9694	Leather DTMF Case with Swivel (HT750 Keypad & all HT1250 & HT1250•LS+ models - for use with NiMH & NiCd Batteries)	$59.00
	X			HLN9690	Leather DTMF Case with Swivel (HT750 Keypad & all HT1250 & HT1250•LS+ models - for use with Li-ion Batteries)	$59.00
		X		HLN9700	Leather DTMF Case with Swivel (for use with NiMH & NiCd Batteries)	$59.00
		X		HLN9699	Leather DTMF Case with Swivel (for use with Li-ion Batteries)	$59.00
X	X	X		HLN9701	Nylon Case with Belt Loop (Resale Packaging available through RPSD)	$24.00
			X	JMZN4023	Plastic Holster with Swivel Belt Clip	$10.00
	X			HLN9844	2" Spring Belt Clip	$11.50
X				RLN5644	2" Spring Action Belt Clip	$6.00
	X			HLN9714	2.5" Spring Action Belt Clip	$11.00
X				HLN8255	3" Spring Action Belt Clip	$6.00
X				RLN4570	Break-Away Chest Pack	$54.25
X				TDN9327	Portable Radio Hanger - for door panels up to 2.75" (slides over and hangs from the door panel in vehicle). Radio Belt Clip is required for use.	$18.00
X				TDN9373	Portable Radio Hanger - for door panels from 2.75" to 3.25" (slides over and hangs from the door panel in vehicle). Radio Belt Clip is required for use.	$18.00
	X	X		RLN4815	Universal RadioPAK™ & Utility Case	$45.00
	X	X		4280384F89	Universal RadioPAK™ Belt Lengthener, waist larger 40"	$5.00
X	X	X		HLN6602	Universal Chest Pack with Radio Holder, Pen Holder & Velcro Secured Pocket (HT750, HT1250, HT1250•LS+ & HT1550•XLS - not compatible with UHF models)	$38.00
	X	X	X	HLN9985	Waterproof Bag, includes large carrying strap	$36.00
X	X	X	X	NTN5243	Shoulder Strap (for use with Cases with D-Rings)	$20.00
				Microphones:		
	X	X		AAHMN9052	Remote Speaker Microphone with Coiled Cord & Swivel Clothing Clip - Intrinsically Safe (FM) - (Resale Packaging available through RPSD)	$66.25
	X	X		AAHMN9053	Noise Cancelling Remote Speaker Microphone with Coiled Cord, Swivel Clothing Clip & 3.5mm Audio Jack - Intrinsically Safe (FM) - (Resale Packaging available through RPSD)	$72.50
	X	X		HKN9055	Remote Speaker Microphone Replacement Cable	$40.00

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SUGGESTED RETAIL

PROFESSIONAL TRUNKING PORTABLE ACCESSORIES

PR400	HT1250-LS+	HT1550-XLS	EX600-XLS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
				Microphones continued:		
X				HMN9030	Remote Speaker Microphone with Coiled Cord and Swivel Clothing Clip - (Resale Packaging available through RPSD) (PR400 - Intrinsically Safe (FM))	$73.50
			X	JMMN4073	Remote Speaker Microphone with Coiled Cord and Swivel Clothing Clip - Intrinsically Safe (FM)	$85.00
		X		AAHMN9057	VHF Public Safety Speaker Microphone with 3.5mm Audio Jack, Volume Switch and Antenna (148-174 MHz Only) - Intrinsically Safe (FM)	$86.25
	X	X		AAHMN9054	UHF Public Safety Speaker Microphone with 3.5mm Audio Jack, Volume Switch & Antenna (450-470 MHz Only) - Intrinsically Safe (FM)	$86.25
				Ear Microphone System:		
X				BDN6646	Ear Microphone with PTT Interface Module (PR400 - Intrinsically Safe (FM))	$461.00
X				BDN6706	Ear Microphone with PTT & VOX Interface Module (External VOX included-selectable switch for PTT or VOX)	$524.00
			X	JMMN4064	Interface Module for PTT or VOX Operation - Intrinsically Safe (FM)	$347.00
	X	X		BDN6678	Ear Microphone, Beige (for noise levels up to 95dB) - requires Interface Module - Intrinsically Safe (FM)	$198.00
	X	X		BDN6677	Ear Microphone, Black (for noise levels up to 95dB) - requires Interface Module - Intrinsically Safe (FM)	$198.00
	X	X		BDN6641	Ear Microphone, Gray (for high noise levels up to 105dB) - requires Interface Module - Intrinsically Safe (FM)	$247.00
			X	BDN6768	Ear Microphone, Black (for noise levels up to 95dB) - requires Interface Module (EX500 & EX600•XLS - Intrinsically Safe (FM))	$198.00
			X	BDN6769	Ear Microphone, Beige (for noise levels up to 95dB) - requires Interface Module (EX500 & EX600•XLS - Intrinsically Safe (FM))	$198.00
			X	BDN6770	Ear Microphone, Gray (for high noise levels up to 105dB) - req. Interface Module (EX500 & EX600•XLS - Intrinsically Safe (FM))	$247.00
	X	X		AARMN4044	Interface Module for PTT Operation Only - Intrinsically Safe (FM)	$284.00
	X	X		AARMN4045	Interface Module for PTT or VOX Operation - Intrinsically Safe (FM) (VOX operational only on conventional channel)	$347.00
X	X	X	X	0180358B38	Finger Push to Talk Switch for Ear Microphone System - Intrinsically Safe (FM)	$52.50
X	X	X	X	0180300E83	Body Switch Push to Talk for Ear Microphone System - Intrinsically Safe (FM)	$159.00
				impres™ - Intelligent Motorola Portable Radio Energy System Chargers: **The impres™ smart energy system ensures maximum talk-time and optimized battery cycle life through the use of its advanced charging technology and automatic reconditioning features, when used with impres™ batteries.**		
	X	X	X	WPLN4182	impres™ Single Unit Charger	$62.50
	X	X	X	WPLN4187	impres™ Multi Unit Charger	$495.00
	X	X	X	WPLN4192	impres™ Multi Unit Charger with Display Modules - displays real-time for impres™ batteries - mAh, % capacity, time remaining to rapid charge complete (NiCd/NiMH batteries), battery s/n, charge status, voltage, kit number, expected full charge capacity & more.	$650.00
	X	X		RLN5382	impres™ Charger Display Module - retrofitable on impres™ Multi Unit Chargers	$95.00

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SUGGESTED RETAIL

PROFESSIONAL TRUNKING PORTABLE ACCESSORIES

PR400	HT1250-LS+	HT1550-XLS	EX600-XLS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
				Chargers & Accessories:		
X				WPLN4138_R	120 Volt - 90 Minute Rapid Rate Charger	$57.75
X				WPLN4155_R	120 Volt - 10 Hour Desktop Charger (for use with NNTN4496_R NiCd battery only)	$27.00
X				WPLN4161_R	120 Volt - 6 Unit Rapid Rate Charger	$450.00
	X	X	X	AAHTN3000	120 Volt - Single Unit Rapid Rate Charger	$56.75
	X	X	X	NLN7967	Wall Mount Kit for Multi-Unit Charger	$21.00
	X	X		RLN4883	Travel Charger (includes voltage regulated lighter adapter, custom charger base, coil cord and mounting bracket)	$89.25
	X	X		RLN5233	Hard Wire Vehicular Charger (no Pac-RT functionality)	$270.00
	X	X	X	WPLN4124_R	Battery Optimizing System II (BOS II) - 90-240 Volt AC, 50/60 Hz, 4 Station Reconditioner. Provides powerful analyzing and reconditioning features. Includes 12 resident programs, a QuickTest™ diagnostic battery state of health program, programmable adapter plates, and much more. Supports NiCd, NiMH, Li-ion and SLA batteries.	$2,106.00
	X	X		RL-76345	Adapter Plate BOS I	$115.00
			X	RL-77255	Adapter Plate for use with BOS and BOS II	$115.00
	X	X		HLN9793	Charger Insert Spacer - Compatible with "A" version chargers ONLY	$6.30
	X	X		HLN9794	Charger Insert Spacer - Compatible with "B", "C" & "D" version chargers ONLY	$6.30
				Battery Maintenance System (BMS):		
	X	X	X	NDN4005	Battery Maintenance System (BMS) - 110 Volt AC, 50/60 Hz - Three Station Reconditioner. Supports NiCd and NiMH batteries (adapters sold separately).	$499.00
	X	X		WPPN4080_R	BMS Battery Adapter (for use with NiCd, NiMH & Li-ion batteries)	$120.00
	X	X	X	WPLN4079_R	Battery Maintenance System Plus (BMS+) - 110 Volt AC, 50/60 Hz - Six Station Reconditioner. Using interchangeable adapter plates (sold separately), the BMS+ is capable of charging and discharging, analyzing, conditioning, cycle testing, and more. Supports NiCd, NiMH and Li-ion battery chemistries.	$650.00
			X	WPPN4096_R	BMS Battery Adapter (for use with NiCd, NiMH & Li-ion batteries)	$120.00
	X	X		WPPN4079_R	BMS Battery Adapter (for use with NiCd & NiMH batteries)	$80.00
				Conditioning Chargers & Accessories:		
	X	X		WPLN4107_R	Motorola Conditioning Charger - Single Unit - includes charger base, removable adapter plate and transformer, 1-2 hour rapid charge.	$70.00
	X	X		WPPN4065_R	Motorola Conditioning Charger - Four-Station - 110 Volt, Base only, requires adapter plates (sold separately)	$399.00
	X	X		WPPN4082_R	Adapter Plate Only (for use with Motorola Conditioning Chargers)	$15.00
	X	X		RLN4814	Vehicular Mounting Bracket - includes hard wire cable with In-Line fuse for use with single unit Motorola Conditioning Chargers	$35.00
	X	X		3080384G15	Cigarette Lighter Adapter for Single & Multi Unit Motorola Conditioning Chargers	$7.00

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SUGGESTED RETAIL

PROFESSIONAL TRUNKING PORTABLE ACCESSORIES

PR400	HT1250·LS+	HT1550·XLS	EX600·XLS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
				Vehicular Adapters & Accessories:		
	X	X		AAEN1006	Vehicular Adapter - VHF (136-174 MHz) provides tri-chemistry charging, supports external speaker, includes microphone and can be used with an external mobile antenna (3dB gain antenna is recommended).	$405.00
	X	X		AAEN1007	Vehicular Adapter - UHF (403-470 MHz) provides tri-chemistry charging, supports external speaker, includes microphone and can be used with an external mobile antenna (3dB gain antenna is recommended). (UHF conventional and LTR® only)	$405.00
	X	X		ENKN4002	Programming Cable for VHF & UHF Vehicular Adapters (required when using external speaker and/or with LS radios)	$143.00
	X	X		GSN6059	13 Watt External Speaker (HT1250•LS+ - not compatible with 200 & 700 MHz models)	$71.50
	X			GKN6270	Power Cable with 10A Fuse (HT1250•LS+ - not compatible with 200 & 700 MHz models)	$25.00
				Headsets & Accessories:		
X				HMN9013	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone (Resale Packaging available through RPSD) (PR400 - Intrinsically Safe (FM))	$57.00
			X	NMN6245	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line Push-to-Talk Switch (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM))	$149.00
	X	X		AARMN4018	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM) (Resale Packaging available through RPSD)	$100.00
	X	X		AARMN4031	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone - Intrinsically Safe (FM) (VOX operational only on conventional channel)	$65.00
			X	JMMN4066	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM)	$115.00
X				RMN4016	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM)	$105.00
X				RLN5238	NFL Style Lightweight Single Muff Headset with In-Line PTT	$125.00
	X	X		ENMN4012	Ultra-Light Headset, behind-the-head with In-Line PTT and Boom Microphone - Intrinsically Safe (FM)	$110.00
X				RLN5411	Ultra-Light Headset, behind-the-head with In-Line PTT and Boom Microphone	$60.00
			X	NMN6246	Ultra-Light Headset with Boom Microphone and In-Line Push-to-Talk, Earbud Style Receiver (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$129.00
	X	X		AARMN4017	Ultra-Light Headset with Boom Microphone, Earbud Style Receiver - Intrinsically Safe (FM) (VOX operational only on conventional channel)	$55.00
X				HMN9021	Medium Weight Dual Muff Headset, over-the-head, Noise Reduction Rating = 24dB	$230.00
X				BDN6647	Medium Weight Single Muff Headset with Boom Microphone (PR400 - Intrinsically Safe (FM))	$151.00

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PROFESSIONAL TRUNKING PORTABLE ACCESSORIES

PR400	HT1250-LS+	HT1550-XLS	EX600-XLS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
				Headsets & Accessories continued:		
X				HMN9022	Medium Weight Dual Muff Headset, behind-the-head (can be worn with hardhat), Noise Reduction Rating = 24dB	$300.00
	X	X		ENMN4016	Medium Duty Headset, behind-the-head, with In-Line PTT & Noise Cancelling Boom Microphone, Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$270.00
	X	X		AARMN4019	Medium Weight over-the-head Dual Muff Headset with Noise Cancelling Microphone & In-Line PTT - Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$265.00
	X	X		AARMN4032	Medium Weight over-the-head Dual Muff Headset with Noise Cancelling Microphone - Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$240.00
X				BDN6648	Heavy Duty Headset with Noise Cancelling Boom Microphone, behind-the-head (can be worn with hardhat) - Noise Reduction Rating = 24dB	$525.00
			X	BDN6635	Heavy Duty Noise Cancelling Boom Microphone Headset with VOX - Noise Reduction Rating = 24dB (EX500 & EX600•XLS - requires RKN4093)	$906.00
			X	BDN6636	Heavy Duty Noise Cancelling Throat Microphone Headset with VOX - Noise Reduction Rating = 24dB (EX500 & EX600•XLS - requires RKN4093)	$857.00
			X	BDN6645	Heavy Duty Noise Cancelling Boom Microphone Headset with PTT on Earcup - (requires separate adapter cable) - Noise Reduction Rating = 24dB	$439.00
X	X	X	X	RMN5015	Racing Headset - Same headset worn by pit crews on the CART racing circuit. Heavy Duty, behind-the-head (can be worn with hardhat) Headset with Noise Cancelling Swivel Boom Microphone. Noise Reduction Rating = 24dB (adapter cable required and sold separately)	$500.00
X				RKN4090	Adapter Cable for Racing Headset (for use with RMN5015)	$100.00
	X	X		RKN4091	Adapter Cable for Racing Headset (for use with RMN5015)	$140.00
			X	RKN4093	Adapter Cable (use with RMN5015, BDN6645, BDN6635 & BDN6636 headsets)	$105.00
	X	X		RMN4048	Temple Transducer - Receive audio without covering the ear; behind-the-head style headset allows user to receive audio through the temples. Headset features a noise cancelling boom microphone and In-Line PTT - Intrinsically Safe (FM)	$175.00
			X	PMLN4585	Temple Transducer - Receive audio without covering the ear; behind-the-head style headset allows user to receive audio through the temples. Headset features a noise cancelling boom microphone and In-Line PTT - Intrinsically Safe (FM)	$175.00
	X	X		AARMN4020	Push-to-Talk or (VOX) Voice Activated Heavy Duty Dual Muff Headset with Noise Cancelling Microphone and PTT on Earcup, Noise Reduction Rating = 24dB - Intrinsically Safe (FM) (VOX operational only on conventional channel)	$525.00
	X	X		RMN4051	2-Way Hard-Hat Mount Headset, Black - Noise Reduction Rating = 22dB (requires RKN4097 or RKN4094)	$225.00
	X	X		RMN4052	Tactical Headband-Style Headset, Gray - Noise Reduction Rating = 24dB (requires RKN4097 or RKN4094)	$330.00
	X	X		RMN4053	Tactical Hard-Hat Mount Headset, Gray - Noise Reduction Rating = 22dB (requires RKN4097 or RKN4094)	$330.00
	X	X		RKN4097	In-Line PTT Adapter Cable (for use w/RMN4051, RMN4052 & RMN4053 Headsets)	$199.00
X				REX4648	Replacement Windscreen (for use with Boom Microphone) and Foam Ear Pad	$7.20
X				3580371E59	Replacement Windscreen (for use with Boom Microphone) for use with BDN6647	$4.05
X				5080371E66	Replacement Ear Pads for use with BDN6647	$6.85

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PROFESSIONAL TRUNKING PORTABLE ACCESSORIES

PR400	HT1250-LS+	HT1550-XLS	EX600-XLS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
				Earpieces:		
	X	X		RLN5316	2-Wire Comfort Earpiece with Combined Microphone and PTT, Beige Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise enhancement (NTN8371) already attached for extra comfort and convenience.	$108.00
	X	X		RLN5315	2-Wire Comfort Earpiece with Combined Microphone and PTT, Black Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise enhancement (NTN8371) already attached for extra comfort and convenience.	$108.00
X				RLN5318	2-Wire Comfort Earpiece with Combined Microphone and PTT, Black Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise enhancement (NTN8371) already attached for extra comfort and convenience.	$120.00
X				RLN5317	2-Wire Comfort Earpiece with Combined Microphone and PTT, Beige Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise enhancement (NTN8371) already attached for extra comfort and convenience.	$120.00
X				RLN5198AP	2-Wire Surveillance Kit with Clear Comfortable Acoustic Tube, Beige (Resale Packaged)	$125.00
	X	X		AARMN4029	2-Wire Surveillance Kit with Microphone & PTT Combined, Black - Intrinsically Safe (FM)	$100.00
	X	X		AARMN4022	2-Wire Surveillance Kit with Microphone & PTT Combined, Beige - Intrinsically Safe (FM) - (Resale Packaging available through RPSD)	$100.00
			X	BDN6729	2-Wire Surveillance Kit with Microphone and PTT Combined, Black (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM))	$114.00
			X	BDN6667	2-Wire Surveillance Kit with Microphone and PTT Combined, Beige (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM))	$114.00
			X	BDN6731	2-Wire Surveillance Kit with Microphone and PTT Combined with Extra Loud Earphone, Black (exceeds OSHA limits) (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM))	$118.00
			X	BDN6669	2-Wire Surveillance Kit with Microphone and PTT Combined with Extra Loud Earphone, Beige (exceeds OSHA limits) (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM))	$118.00
X				RLN4895	2 Piece Surveillance Kit, with Microphone and PTT Combined, Black (2-wire - rubber eartip style)	$114.00
X				HMN9754	2 Piece Surveillance Kit, with Microphone and PTT Combined, Beige (2-wire - rubber eartip style - Resale Packaging available through RPSD) (PR400 - Intrinsically Safe (FM))	$114.00
	X	X		ENMN4014	3-Wire Surveillance Kit with Microphone & PTT Separate, Black - Intrinsically Safe (FM)	$165.00
	X	X		ENMN4017	3-Wire Surveillance Kit with Microphone & PTT Separate, Beige - Intrinsically Safe (FM)	$165.00
			X	BDN6730	3-Wire Surveillance Kit with Microphone and PTT Separate, Black (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM))	$150.00
			X	BDN6668	3-Wire Surveillance Kit with Microphone and PTT Separate, Beige (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM))	$150.00

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PROFESSIONAL TRUNKING PORTABLE ACCESSORIES

PR400	HT1250-LS+	HT1550-XLS	EX600-XLS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
				Earpieces continued:		
			X	BDN6732	3-Wire Surveillance Kit with Microphone & PTT Separate with Extra Loud Earphone, Black (exceeds OSHA limits) (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM))	$135.00
			X	BDN6670	3-Wire Surveillance Kit with Microphone and PTT Separate with Extra Loud Earphone, Beige (exceeds OSHA limits) (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM))	$135.00
X				HMN9752	Earpiece with Volume Control (single wire) (PR400 - Intrinsically Safe (FM))	$45.00
X				HMN9727	Earpiece without Volume Control, Beige (single wire - Resale Packaging available through RPSD) (PR400 - Intrinsically Safe (FM))	$36.00
X				RLN4894	Earpiece without Volume Control, Black (single wire)	$35.00
X				PMMN4001	Ultra-Light Earpiece with Boom Microphone and In-Line PTT	$54.00
X				HLN9132	Earbud (single wire - Receive only - not recommended for use with PL codes above 225 Hz)	$21.00
X				HMN9036	Earbud with Clip Microphone and PTT, Transmit & Receive (2-wire - not recommended for use with PL codes above 225 Hz - Resale Packaging is also available through RPSD)	$40.00
			X	PMLN4519	Earbud with Clip Microphone and PTT, Transmit and Receive - (2-wire - Intrinsically Safe (FM))	$85.00
			X	BDN6781	Earbud, Receive Only (single wire) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$27.00
			X	BDN6780	Earbud with Clip Microphone and PTT Combined, Transmit & Receive (2-wire) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$67.00
	X	X		AARLN4885	Receive-Only Foam Earbud with 3.5mm plug - (for use with AAHMN9053, AAHMN9054 & AAHMN9057) - Intrinsically Safe (FM)	$25.00
	X	X		AARMN4021	Receive-Only Earpiece without Volume Control, Beige - Intrinsically Safe (FM)	$40.00
	X	X		AARMN4028	Receive-Only Earpiece without Volume Control, Black - Intrinsically Safe (FM) (Resale Packaging available through RPSD)	$40.00
	X	X		RLN4941	Receive-Only Earpiece with translucent tube, rubber eartip and 3.5mm plug (for use with AAHMN9053, AAHMN9054 & AAHMN9057)	$58.00
			X	BDN6726	Receive-Only Surveillance Kit, Black (single wire) (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM))	$40.00
			X	BDN6664	Receive-Only Surveillance Kit, Beige (single wire) (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM))	$40.00
			X	BDN6727	Receive-Only Surveillance Kit with Extra Loud Earphone, Black (single wire, exceeds OSHA limits) (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM))	$42.00
			X	BDN6665	Receive-Only Surveillance Kit with Extra Loud Earphone, Beige (single wire, exceeds OSHA limits) (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM))	$42.00
			X	BDN6728	Receive-Only Surveillance Kit with Volume Control, Black (single wire) (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM))	$53.00
			X	BDN6666	Receive-Only Surveillance Kit with Volume Control, Beige (single wire) (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM))	$53.00

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PROFESSIONAL TRUNKING PORTABLE ACCESSORIES

PR400	HT1250·LS+	HT1550·XLS	EX600·XLS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
				Earpieces continued:		
	X	X	X	RLN4922	Completely Discreet Earpiece Kit - must be used with any standard 2 or 3-wire surveillance kit	$340.00
X	X	X	X	NTN8370	Extreme Noise Earpiece Adapter Kit, Noise Reduction Rating = 24dB - (for use with surveillance accessories)	$32.00
X	X	X	X	NTN8371	Low Noise Earpiece Adapter Kit - (for use with surveillance accessories - clear comfortable earpieces can be added for extra comfort - must be ordered separately through RPSD)	$20.00
X	X	X	X	5080370E97	Replacement Rubber Eartips, Clear - Pack of 25 (for use with NTN8371)	$29.25
X	X	X	X	5080384F72	Replacement Foam Plugs-Pack of 50 (for use with NTN8370), Noise Reduction Rating = 24dB	$47.25
X				BDN6720	Flexible Ear Receiver, Black - Earpiece without Volume Control (flexible earloop & speaker that rests external to ear - Resale Packaging through RPSD)	$35.00
	X	X		ENMN4013	Flexible Ear Receiver (flexible earloop & speaker that rests external to the ear) - Intrinsically Safe (FM)	$60.00
	X	X		WADN4190	Flexible Ear Receiver to be used with the Remote Speaker Microphone or Public Safety Microphone - Intrinsically Safe (FM)	$43.00
			X	PMLN4393	Flexible Ear Receiver with 2.5mm Plug (for use with Remote Speaker Microphone JMMN4073) - contains a flexible earloop and speaker that rests external to the ear	$35.50
			X	BDN6719	Flexible Ear Receiver, Black - Earpiece without Volume Control - (flexible earloop & speaker that rests external to the ear) (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM))	$35.00
X	X	X		RLN4760	Small Custom Earpiece, Right Ear (for use with NTN8371)	$20.50
X	X	X		RLN4761	Medium Custom Earpiece, Right Ear (for use with NTN8371)	$20.50
X	X	X		RLN4762	Large Custom Earpiece, Right Ear (for use with NTN8371)	$20.50
X	X	X		RLN4763	Small Custom Earpiece, Left Ear (for use with NTN8371)	$20.50
X	X	X		RLN4764	Medium Custom Earpiece, Left Ear (for use with NTN8371)	$20.50
X	X	X		RLN4765	Large Custom Earpiece, Left Ear (for use with NTN8371)	$20.50
				General Accessories:		
	X	X		HLN9820	Accessory Dust Cover	$6.60
			X	JMLN4638	Accessory Dust Cover	$6.00
	X	X	X	RLN4890	Assistive Turning Knobs	$15.75
X				RLN5500	Accessory Retainer Clip	$10.75
			X	PMLN4455	Audio Accessory Adapter (this allows use of the HT1000 3.5mm audio accessories as noted within the price pages) - Intrinsically Safe (FM)	$43.50
				CommPort - Integrated Microphone/Receiver: **CommPort Integrated Microphone/Receiver System is a communication device that is intelligible in high noise levels up to 100dB. This device's acoustic technology does not rely on bone conduction for communication.**		
	X	X		NTN1722	Integrated Ear Microphone & Receiver System with PTT on Radio Adapter - Intrinsically Safe (FM)	$344.00
	X	X		NTN1724	Integrated Ear Microphone & Receiver System with Ring PTT - Intrinsically Safe (FM)	$370.00
	X	X		NTN1737	Integrated Ear Microphone & Receiver with Snap-on-Side PTT - Intrins. Safe (FM)	$378.00
	X	X		NNTN4187	Integrated Microphone Receiver with Remote Push-to-Talk Body Switch - Intrinsically Safe (FM)	$485.00
	X	X		NTN8821	CommPort Maintenance Kit - includes Replacement Ear Tubes (qty 10), Windscreens (qty 2) and Microphone Seal Strips (qty 10)	$46.00

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PROFESSIONAL TRUNKING PORTABLE ACCESSORIES

PR400	HT1250-LS+	HT1550-XLS	EX600-XLS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
				CommPort - Integrated Microphone/Receiver continued:		
	X	X		NKN6508	Replacement Cable for NTN1722 & NTN1625	$34.50
	X	X		NKN6525	Replacement Snap-on-Side PTT Cable for NTN1737	$75.00
	X	X		NNTN4188	Replacement Remote PTT Body Switch	$180.00
	X	X		NKN6510	Replacement Palm PTT Cable for NTN1624 & NTN1723	$53.00
	X			RLN5037	Replacement Ear Tubes (qty 10)	$26.00
	X	X		AAHLN9717	Replacement Audio Adapter with 3.5mm jack for CommPort Integrated Microphone Receiver System	$52.50
	X	X		NTN8986	Adhesive Pads (qty 90) for secure attachment to the ear	$23.00
	X	X		NTN8988	Ear Straps (qty 10) for secure attachment to the ear	$17.25
				Mag One Audio Accessories:		
X				PMLN4442	Mag One Earbud with MIC/PTT/VOX Switch	$18.00
X				PMLN4443_B	Mag One Ear Receiver with MIC/PTT/VOX Switch	$20.00
X				PMLN4444	Mag One Earset Boom Microphone with PTT/VOX	$26.00
X				PMLN4445	Mag One Headset with PTT/VOX Switch	$30.00
X				PMMN4008	Mag One Remote Speaker Microphone	$31.00
				Call Boxes: **Allows for integration into most existing radio systems and provides direct access to personnel connected to the system. Allows for expansion of security coverage and can help improve response time without the need for additional personnel. Includes a voice instruction message for the user, automatic call box ID and user location identifiers, a courtesy light, easy push-to-talk operation, a silent tamper alert broadcast to security, low battery alert, 40-day standby battery capacity, one 12-volt, 12 amp/hour rechargeable battery, call box keys and tamper resistant screw bits. Pricing does not include radio or installation.**		
				A106.5 Call Boxes - Freestanding. Solar or AC/DC power. The .090 thick, white powder-coated aluminum box measures 6.5' H x 10" W x 5" D. Includes antenna and choice of reflective vinyl message decal.		
X	X	X	X	RRDN4588	Solar Powered	$1,999.00
X	X	X	X	RRDN4589	AC/DC Powered	$1,969.00
				A144 Call Boxes - Flexibility. Can be wall or pole mounted for convenient accessibility. The .090 thick, white, powder-coated aluminum enclosure measures 4' H x 14" W x 7.5" D. Includes a 6-watt locator LED that converts to a strobe light when callbox is activated. Comes standard with a 10-watt solar panel and choice of large reflective vinyl message decal.		
X	X	X	X	RRDN4590	Solar Powered	$2,995.00
X	X	X	X	RRDN4591	AC/DC Powered	$2,895.00
				A1 Call Boxes - Field programmable. Mounts on a wall, or on a PVC or aluminum stanchion. Solar or AC/DC power. The .090 thick aluminum enclosure with white powder coat measures 13"H x 9.5"W x 6.5"D. Provides protection against dust and falling rain. For indoor and outdoor use. Includes antenna and set of small reflective decals.		
X	X	X	X	RRDN4362	Solar Powered	$2,585.00
X	X	X	X	RRDN4363	AC/DC Powered	$2,350.00
X	X	X	X	RRDN4364	Solar Powered with PVC Stanchion	$2,850.00
X	X	X	X	RRDN4365	Solar Powered with Aluminum Stanchion	$3,175.00
X	X	X	X	RRDN4366	AC/DC Powered with Aluminum Stanchion	$2,975.00

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PROFESSIONAL TRUNKING PORTABLE ACCESSORIES

PR400	HT1250-LS+	HT1550-XLS	EX600-XLS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
				Call Boxes continued:		
				ACB Call Boxes - Push-to-talk communication. No door to open. The indoor/outdoor wall mount aluminum enclosure is .090 thick with white powder coat. It measures 20"H x 14"W x 7.5"D with a thick, clear Lexan face-plate cover. Includes activation ringer, antenna and set of small reflective decals.		
X	X	X	X	RRDN4367	Solar Powered	$2,695.00
X	X	X	X	RRDN4368	AC/DC Powered	$2,550.00
				A1410 Call Boxes - Self-standing. The .090 thick aluminum stanchion with white powder coat measures 10'H x 14"W x 7.5"D. Thick, clear Lexan faceplate cover and includes an activation ringer, antenna and set of large reflective decals. 10 watt solar panel provides additional charging power to allow the beacon/locator light to function 24 hours a day.		
X	X	X	X	RRDN4369	Solar Powered	$3,185.00
X	X	X	X	RRDN4370	AC/DC Powered	$2,900.00
				MACPlus Call Boxes - Four-button notification panel. The software-driven system sends automatic audible and digital signals to a dispatch center and is ADA compliant. Alerts the dispatch center every 24 hours with a status report. The powder coated stainless steel enclosure measures 15"H x 11 3/8"W x 7"D and features a self-closing pneumatic/ mechanical door with ADA compliant hinges. Includes activation ringer, help-enroute LED light, set of small reflective decals and a 2"D Call Box pole/wall mounting bracket. Requires RRDN4373 Software Package for programming of Call Buttons. Only one software package is required regardless of number of Call Boxes in system.		
X	X	X	X	RRDN4371	Solar Powered	$3,785.00
X	X	X	X	RRDN4372	AC/DC Powered	$3,600.00
X	X	X	X	RRDN4373	MACPlus Computer Aided Maintenance Software Package	$1,450.00
				Antennas:		
X	X	X	X	NAD6502_R	VHF Heliflex Antenna, 150-162 MHz	$11.75
	X	X	X	PMAD4012	VHF Stubby Antenna, 136-155 MHz (Red Color Code)	$13.25
X				HAD9742	VHF Stubby Antenna, 146-162 MHz	$10.75
	X	X	X	PMAD4025	VHF Stubby Antenna, 150-161 MHz (Brown Color Code)	$13.25
	X	X	X	PMAD4013	VHF Stubby Antenna, 155-174 MHz (Black Color Code)	$13.25
X				HAD9743	VHF Stubby Antenna, 162-174 MHz	$10.75
	X	X	X	8504762J01	VHF Whip Antenna, 136-155 MHz (Red Color Code)	$13.50
	X	X	X	NAD6579	VHF Whip Antenna, 148-161 MHz (Enhanced Performance, 7.5")	$13.50
	X	X	X	PMAD4023	VHF Whip Antenna, 150-161 MHz (Brown Color Code)	$13.50
	X	X	X	8504762J02	VHF Whip Antenna, 155-174 MHz (Black Color Code)	$13.50
	X			HKAD4000	200 MHz Helical Antenna, 216-225 MHz	$13.50
X	X	X	X	NAE6483_R	UHF Whip Antenna, 403-520 MHz	$11.75
X				NAE6522_R	UHF Heliflex Stubby Antenna, 438-470 MHz	$12.25
X				8505816K26	UHF Heliflex Stubby Antenna, Black, Molded, 470-512 MHz	$12.25
	X	X	X	PMAE4002	UHF Stubby Antenna, 403-430 MHz (Green Color Code)	$11.25
	X	X	X	PMAE4003	UHF Stubby Antenna, 430-470 MHz (Natural Color Code)	$11.25
	X	X	X	PMAE4006	UHF Stubby Antenna, 465-490 MHz (Orange Color Code)	$14.75
	X			NAF5083	700 MHz 1/2 Wave Whip Antenna, 746-794 MHz	$35.75

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PR400	HT1250-LS+	HT1550-XLS	EX600-XLS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
				Service Accessories:		
X				RVN4191	Portable & Mobile Programming Software (CPS) - 3 Year Subscription Package - Portables require AAPMKN4004 Programming/Test Cable. Mobiles require one of the following Programming Cables & Adapter: AARKN4081 Programming Cable with FKN8096 Program Adapter, 3080070N01 Programming Cable with FKN8096 Program Adapter or AARKN4083 Programming Cable with FKN8113 Program Adapter **Note: Software requires a license agreement and is not intended for resale.**	$199.00
	X	X	X	H5177	Portable & Mobile Programming Software Plus (CPS+) - 3 Year Subscription Package - HVN9025 includes CPS/PPCPS (PassPort® Customer Programming Software), CPS tutorial, reflashing tool and freq. finder application for the HT, EX, CDM & MTX•LS Series. HVN9067 for MTX Series Privacy Plus - includes HT & MTX Series Programming & Test Cable (AARKN4074). Also is compatible with RLN4460 used for radio testing. (HVN9025 is compatible with Windows® 95/98/2000 (SP3 or later version) / Millennium (ME) / Windows NT®. HVN9067 is compatible with Windows® 95/98/Windows NT®.) A Mobile Programming Cable (AARKN4081 or AARKN4083) must be purchased separately. **Note: Software requires a license agreement and is not intended for resale.**	$299.00
X				AAPMKN4004	Programming & Test Cable - Programming cables require a Radio Interface Box (RIB), also compatible with RLN4460 used for radio testing.	$50.00
	X	X		AARKN4074	Programming & Test Cable - Programming cables require a Radio Interface Box (RIB), also compatible with RLN4460 used for radio testing. (Multi-Language manual)	$63.00
			X	AAJMKN4123	Programming & Test Cable - Progr. cables require a Radio Interface Box (RIB).	$150.00
X	X	X	X	RLN4008	Radio Interface Box (RIB)	$200.00
X	X	X	X	3080369B72	9 Pin PC to Radio Interface Box Cable (IBM AT or compatible)	$52.00
X	X	X	X	0180357A57	Wall Mounted Power Supply, 120V (for use with RLN4008)	$24.25
X	X	X	X	RLN4460	Test Box for Portables and Mobiles	$395.00
	X	X		RKN4075	Ribless Programming Cable - provides interface between computer and radio - (not compatible with RIB) (Multi-Language Manual)	$88.00
X				RLN5583	Flash Upgrade Adapter	$99.75
	X	X		RKN4073	Cloning Cable (Multi-Language manual)	$43.00
			X	AAJMKN4124	Cloning Cable	$125.00
	X	X		RLN4510	7.5 Volt Universal Battery Eliminator	$150.00
	X	X		AA0180305G54	Battery Eliminator Cable (requires RLN4510 - 7.5 V)	$60.00
				Manuals:		
X				6881096C24	PR400 Basic Service Manual	$16.00
X				6881096C25	PR400 Detailed Service Manual	$25.00
	X	X		6880906Z54-D	HT750, HT1250, HT1250•LS+, HT1550•XLS, MTX850, MTX950, MTX8250, MTX9250, MTX850•LS & MTX8250•LS Basic Service Manual	$11.00
	X	X		6881088C46-E	HT750, HT1250, HT1250•LS+, HT1550•XLS, MTX850, MTX950, MTX8250, MTX9250, MTX850•LS & MTX8250•LS Detailed Service Manual	$27.00
			X	6881094C00-A	EX500 & EX600•XLS Basic Service Manual	$10.00
			X	6881094C21-O	EX500 & EX600•XLS Detailed Service Manual	$25.00

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SUGGESTED RETAIL

MTX850™/MTX950™ PORTABLE

800 MHz & 900 MHz PRIVACY PLUS™ TRUNKING

All MTX850 / MTX950 portable models include:

- **Standard Battery (NiMH, 1500 mAh, 7.5V - HNN9008_R)**
- **Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)**
- **Standard Antenna (806-870 MHz Whip 8505241U03 / 896-941 MHz Whip 8505241U04)**
- **2.5" Belt Clip (HLN9714)**
- **Two Year Warranty**
- **Operating Instruction Manual**

MTX850

MTX950

Features:

- **9 Trunked Systems**
- **16 Trunked Talkgroups/Conventional Channels Combined (9 Conventional Channels Maximum)**
- **4 Programmable Buttons**
- **Call Alert (Decode)**
- **Private Conversation™ (Decode)**
- **Telephone Interconnect (Decode)**
- **Talkgroup Scan (Auto-Scan Only - Scan Button Not Available)**
- **Conventional Scan (Auto-Scan Only - Scan Button Not Available)**
- **Nuisance Channel Delete**
- **Conventional Channel Monitor**
- **Failsoft**
- **Selective Radio Inhibit (Decode)**
- **Time-Out-Timer**
- **Volume Set**

Notes:

1. 800 MHz is compatible with Type II & IIi Systems Only & 900 MHz is compatible with Type II Systems Only
2. Trunked Talkgroups and Conventional Channels COMBINED CANNOT EXCEED 16 (9 conventional channels maximum).
3. The 800 MHz radio **WILL NOT** operate in the 821-824/866-869 MHz frequency band.

800 MHz

BAND SPLIT	SYSTEM TYPE	PWR	TRUNKED SYSTEMS	TRKD TALKGROUPS/ CONV. CHANNELS	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
806-821 MHz 851-866 MHz	TYPE II, IIi	2.5W	9	16 (see Notes)	AAH25UCC6GB3_N	$767

900 MHz

BAND SPLIT	SYSTEM TYPE	PWR	TRUNKED SYSTEMS	TRKD TALKGROUPS/ CONV. CHANNELS	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
896-902 MHz 935-941 MHz	TYPE II	2.5W	9	16 (see Notes)	AAH25WCC4GB3_N	$767

FCC INFORMATION AZ489FT5795 (800 MHz) / AZ489FT5803 (900 MHz)

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Date 1/9/06

SUGGESTED RETAIL

MTX8250™/MTX9250™ PORTABLE

800 MHz & 900 MHz PRIVACY PLUS™ TRUNKING

All MTX8250 / MTX9250 portable models include:

- **Standard Battery (NiMH, 1500 mAh, 7.5V - HNN9008_R)**
- **Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)**
- **Standard Antenna (806-870 MHz Whip 8505241U03 / 896-941 MHz Whip 8505241U04)**
- **2.5" Belt Clip (HLN9714)**
- **Two Year Warranty**
- **Operating Instruction Manual**

Features:

- **15 Trunked Systems**
- **160 Trunked Talkgroups/Conventional Channels Combined (49 Conventional Channels Maximum)**
- **14 Character Alphanumeric Display**
- **4 Programmable Buttons**
- **Push-to-Talk ID**
- **Private Conversation™ (Encode/Decode)**
- **Call Alert (Encode/Decode)**
- **Telephone Interconnect (Encode/Decode)**
- **User-Defined Scan, Phone and Call Lists**
- **Talkgroup Scan**
- **Conventional Scan**
- **Nuisance Channel Delete**
- **Conventional Channel Monitor**
- **Conventional Talkaround**
- **Failsoft**
- **Selective Radio Inhibit (Decode)**
- **Time-Out-Timer**
- **Battery Gauge**
- **Volume Set**

MTX8250

MTX9250

Notes:

1. 800 MHz is compatible with Type II & IIi Systems Only & 900 MHz is compatible with Type II Systems Only
2. Trunked Talkgroups and Conventional Channels COMBINED CANNOT EXCEED 160 (49 conventional channels maximum).
3. The 800 MHz radio **WILL NOT** operate in the 821-824/866-869 MHz frequency band.

800 MHz

BAND SPLIT	SYSTEM TYPE	PWR	TRUNKED SYSTEMS	TRKD TALKGROUPS/ CONV. CHANNELS	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
806-821 MHz 851-866 MHz	TYPE II, IIi	2.5W	15	160 (see Notes)	AAH25UCH6GB6_N	$850

900 MHz

BAND SPLIT	SYSTEM TYPE	PWR	TRUNKED SYSTEMS	TRKD TALKGROUPS/ CONV. CHANNELS	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
896-902 MHz 935-941 MHz	TYPE II	2.5W	15	160 (see Notes)	AAH25WCH4GB6_N	$850

FCC INFORMATION AZ489FT5795 (800 MHz) / AZ489FT5803 (900 MHz)

MTX850™/MTX950™/MTX8250™/MTX9250™ PORTABLE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE

INTRINSICALLY SAFE (FM): Q390 (HNN9010_R) and H236 (HNN9011_R) are rated Intrinsically Safe for use in Division 1, Classes I, II, III, Groups C, D, E, F and G.

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

STEP 1:

Battery Choices:

STDBAT0921	Standard Battery (NiMH, 1500 mAh, 7.5V - HNN9008_R)	N/C
Q390	NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN9010_R)	$62.00
Q508	NiMH, 1900 mAh, 7.5V Battery (HNN9009_R)	$13.00
H236	NiCd, 1200 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN9011_R)	$53.00
H225	NiCd, 1300 mAh, 7.5V Battery (HNN9012_R)	$5.00
H229	Li-ion, 1500 mAh, 7.5V Battery (HNN9013_R)	$40.00
	impres™ Batteries:	
QA00051	impres™, NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN4002)	$70.00
QA00059	impres™, NiMH, 1900 mAh, 7.5V Battery (HNN4001)	$22.00
QA00060	impres™, Li-ion, 2000 mAh, 7.5V Battery (HNN4003)	$48.00

STEP 2:

Charger Choices:

STDCHG0921	Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)	N/C
H951	Omit 120 Volt Rapid Rate Charger	-$20.00
	impres™ Charger:	
QA00061	impres™ Single Unit Charger (WPLN4182)	$35.00

STEP 3:

Carry Holder Choices:

STDBLT0921	Standard Belt Clip (HLN9714)	N/C
H301	Omit Standard Belt Clip	-$5.00

STEP 4:

Antenna Choices:

STDANT0921	Standard Antenna (800 MHz 8505241U03 / 900 MHz 8505241U04)	N/C
H112	Omit Standard Antenna	-$3.50

STEP 5:

Shipping Box Choices:

STDBOX0921	Standard Model Box	N/C
H415	Bulk Packaging (minimum 10 units per line item)	N/C

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
General Options:		
QA00097	Remote Speaker Microphone with Coiled Cord & Swivel Clothing Clip - Intrinsically Safe (FM) (AAHMN9052)	$66.25
QA00100	Noise Cancelling Remote Speaker Microphone with Coiled Cord, Swivel Clothing Clip & 3.5mm Audio Jack - Intrinsically Safe (FM) (AAHMN9053)	$72.50
QA00101	2-Wire Comfort Earpiece with Combined Microphone and PTT, Black. Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise Enhancement (NTN8371) already attached for extra comfort and convenience (RLN5315).	$108.00

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SUGGESTED RETAIL

MTX850™/MTX950™/MTX8250™/MTX9250™ PORTABLE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
General Options continued:		
QA00102	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM) (AARMN4018)	$100.00
QA00103	Travel Charger (includes voltage regulated lighter adapter, custom charger base, coil cord and mounting bracket - RLN4883)	$89.25
Q884	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$31.00
H886	Express Service Plus Plan (ESP) 3 Year - Provides for 3 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$89.00

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SUGGESTED RETAIL

MTX850·LS™ PORTABLE

800 MHz LTR® Trunking Protocol

All MTX850·LS portable models include:

- **Standard Battery (NiMH, 1500 mAh, 7.5V - HNN9008_R)**
- **Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)**
- **Standard Antenna (Whip 806-870 MHz 8505241U03)**
- **2.5" Belt Clip (HLN9714)**
- **4 Programmable Buttons**
- **Two Year Warranty**
- **Operating Instruction Manual**

Programmable Features:

- **System, All Group & Auto Group Scan**
- **Dual Priority Scan (Conventional Operation Only)**
- **Home Channel Revert**
- **X-Pand™ Audio Enhancement**
- **Telephone Interconnect (Decode)**
- **Emergency Siren**
- **Adjustable Power Levels**
- **Voice Storage (with Option Board)**
- **Escalert Call Features**

Programmable Buttons:

- **System Scan**
- **All Group Scan**
- **Nuisance Channel Delete**
- **Emergency Siren**
- **Conventional Repeater / Talkaround**
- **Conventional Channel Monitor**
- **Squelch Levels**
- **High/Low Power**

MDC1200 Signaling LTR® Protocol:

- **Call Alert (Decode)**
- **Selective Call (Decode)**

Notes:

1. Trunked Talkgroups and Conventional Channels COMBINED CANNOT EXCEED 16.
2. The 800 MHz MTX850·LS radio WILL NOT operate in the 821-824/866-869 MHz frequency band.

BAND SPLIT	BAND	PWR	TRUNKED ZONES/ TALKGROUPS	CONV CHAN	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
806-821 MHz 851-866 MHz	800 MHz	2.5W	1/16 (see Notes)	16 (see Notes)	AAH25UCC6DU3_N	$675

FCC INFORMATION AZ489FT5795

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SUGGESTED RETAIL

MTX850•LS™ PORTABLE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE

INTRINSICALLY SAFE (FM): Q390 (HNN9010_R) and H236 (HNN9011_R) are rated Intrinsically Safe for use in Division 1, Classes I, II, III, Groups C, D, E, F and G.

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

STEP 1:

Battery Choices:

STDBAT0672	Standard Battery (NiMH, 1500 mAh, 7.5V - HNN9008_R)	N/C
Q390	NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN9010_R)	$62.00
Q508	NiMH, 1900 mAh, 7.5V Battery (HNN9009_R)	$13.00
H236	NiCd, 1200 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN9011_R)	$53.00
H225	NiCd, 1300 mAh, 7.5V Battery (HNN9012_R)	$5.00
H229	Li-ion, 1500 mAh, 7.5V Battery (HNN9013_R)	$40.00
	impres™ Batteries:	
QA00051	impres™, NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM)	$70.00
QA00059	impres™, NiMH, 1900 mAh, 7.5V Battery	$22.00
QA00060	impres™, Li-ion, 2000 mAh, 7.5V Battery	$48.00

STEP 2:

Charger Choices:

STDCHG0672	Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)	N/C
H951	Omit 120 Volt Rapid Rate Charger	-$20.00
	impres™ Charger:	
QA00061	impres™ Single Unit Charger	$35.00

STEP 3:

Carry Holder Choices:

STDBLT0672	Standard Belt Clip (HLN9714)	N/C
H301	Omit Standard Belt Clip	-$5.00

STEP 4:

Antenna Choices:

STDANT0672	Standard Antenna (8505241U03)	N/C
H112	Omit Standard Antenna	-$3.50

STEP 5:

Shipping Box Choices:

STDBOX0672	Standard Model Box	N/C
H415	Bulk Packaging (minimum 10 units per line item)	N/C

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE

General Options:

QA00097	Remote Speaker Microphone with Coiled Cord & Swivel Clothing Clip - Intrinsically Safe (FM) (AAHMN9052)	$66.25
QA00100	Noise Cancelling Remote Speaker Microphone with Coiled Cord, Swivel Clothing Clip & 3.5mm Audio Jack - Intrinsically Safe (FM) (AAHMN9053)	$72.50
QA00101	2-Wire Comfort Earpiece with Combined Microphone and PTT, Black. Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise Enhancement (NTN8371) already attached for extra comfort and convenience (RLN5315).	$108.00

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SUGGESTED RETAIL

MTX850·LS™ PORTABLE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
General Options continued:		
QA00102	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM) (AARMN4018)	$100.00
QA00103	Travel Charger (includes voltage regulated lighter adapter, custom charger base, coil cord and mounting bracket - RLN4883)	$89.25
Q884	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$31.00
H886	Express Service Plus Plan (ESP) 3 Year - Provides for 3 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$89.00

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SUGGESTED RETAIL

MTX8250·LS™ PORTABLE
800 MHz LTR® Trunking Protocol

All MTX8250·LS portable models include:

- **Standard Battery (NiMH, 1500 mAh, 7.5V - HNN9008_R)**
- **Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)**
- **Standard Antenna (Whip 806-870 MHz 8505241U03)**
- **2.5" Belt Clip (HLN9714)**
- **14 Character Alphanumeric Display**
- **7 Programmable Buttons**
- **Two Year Warranty**
- **Operating Instruction Manual**

Programmable Features:

- **System, All Group & Auto Group Scan**
- **Quik Call II (Encode/Decode - Conventional Only)**
- **Dual Priority Scan (Conventional Only)**
- **Home Channel Revert**
- **X-Pand™ Audio Enhancement**
- **Telephone Interconnect**
- **Emergency Siren**
- **Battery Status Indicator**
- **Adjustable Power Levels**
- **Clock and Alarm**
- **Voice Storage (with Option Board)**
- **Escalert Call Features**

Programmable Buttons:

- **System Scan**
- **All Group Scan**
- **Nuisance Channel Delete**
- **Radio (MDC) Call**
- **Telephone Interconnect**
- **Emergency Siren**
- **Conventional Repeater/Talkaround**
- **Conventional Channel Monitor**
- **Keypad Lock**
- **Squelch Levels**
- **High/Low Power**

MDC1200 Signaling in LTR® & Conventional Operation:

- **Call Alert (Encode/Decode)**
- **Selective Call (Encode/Decode)**
- **PTT-ID (Encode/Decode)**
- **Radio Check (Encode/Decode)**
- **Emergency Alert (Encode)**
- **Status (Encode)**
- **Message (Encode/Decode)**

Note: The 800 MHz MTX8250·LS radio WILL NOT operate in the 821-824/866-869 MHz frequency band.

BAND SPLIT	BAND	PWR	TRUNKED ZONES/ TALKGROUPS	CONV CHAN	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
806-821 MHz 851-866 MHz	800 MHz	2.5W	15/16 Per Zone	128	AAH25UCH6DU9_N	$758

FCC INFORMATION AZ489FT5795

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SUGGESTED RETAIL

MTX8250•LS™ PORTABLE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE

INTRINSICALLY SAFE (FM): Q390 (HNN9010_R) and H236 (HNN9011_R) are rated Intrinsically Safe for use in Division 1, Classes I, II, III, Groups C, D, E, F and G.

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

STEP 1:

Battery Choices:

STDBAT0749	Standard Battery (NiMH, 1500 mAh, 7.5V - HNN9008_R)	N/C
Q390	NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN9010_R)	$62.00
Q508	NiMH, 1900 mAh, 7.5V Battery (HNN9009_R)	$13.00
H236	NiCd, 1200 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN9011_R)	$53.00
H225	NiCd, 1300 mAh, 7.5V Battery (HNN9012_R)	$5.00
H229	Li-ion, 1500 mAh, 7.5V Battery (HNN9013_R)	$40.00
	impres™ Batteries:	
QA00051	impres™, NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM)	$70.00
QA00059	impres™, NiMH, 1900 mAh, 7.5V Battery	$22.00
QA00060	impres™, Li-ion, 2000 mAh, 7.5V Battery	$48.00

STEP 2:

Charger Choices:

STDCHG0749	Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)	N/C
H951	Omit 120 Volt Rapid Rate Charger	-$20.00
	impres™ Charger:	
QA00061	impres™ Single Unit Charger	$35.00

STEP 3:

Carry Holder Choices:

STDBLT0749	Standard Belt Clip (HLN9714)	N/C
H301	Omit Standard Belt Clip	-$5.00

STEP 4:

Antenna Choices:

STDANT0749	Standard Antenna (8505241U03)	N/C
H112	Omit Standard Antenna	-$3.50

STEP 5:

Shipping Box Choices:

STDBOX0749	Standard Model Box	N/C
H415	Bulk Packaging (minimum 10 units per line item)	N/C

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE

General Options:

QA00097	Remote Speaker Microphone with Coiled Cord & Swivel Clothing Clip - Intrinsically Safe (FM) (AAHMN9052)	$66.25
QA00100	Noise Cancelling Remote Speaker Microphone with Coiled Cord, Swivel Clothing Clip & 3.5mm Audio Jack - Intrinsically Safe (FM) (AAHMN9053)	$72.50
QA00101	2-Wire Comfort Earpiece with Combined Microphone and PTT, Black. Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise Enhancement (NTN8371) already attached for extra comfort and convenience (RLN5315).	$108.00

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SUGGESTED RETAIL

MTX8250·LS™ PORTABLE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
General Options continued:		
QA00102	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM) (AARMN4018)	$100.00
QA00103	Travel Charger (includes voltage regulated lighter adapter, custom charger base, coil cord and mounting bracket - RLN4883)	$89.25
Q884	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$31.00
H886	Express Service Plus Plan (ESP) 3 Year - Provides for 3 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$89.00

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SUGGESTED RETAIL

MTX850™/MTX950™/MTX8250™/MTX9250™/ MTX850·LS™/MTX8250·LS™ PORTABLE ACCESSORIES

MTX850/MTX950/ MTX8250/MTX9250	MTX850·LS/ MTX8250·LS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
INTRINSICALLY SAFE (FM): HNN9010_R (Q390) and HNN9011_R (H236) are rated Intrinsically Safe for use in Division 1, Classes I, II, III, Groups C, D, E, F and G.				
		Batteries:		
X	X	WPNN4045_R	NiMH, 1200 mAh, 7.5V Battery	$54.00
X	X	HNN9008_R	NiMH, 1500 mAh, 7.5V Battery (Resale Packaging available through RPSD)	$64.00
X	X	HNN9010_R	NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM)	$115.00
X	X	HNN9009_R	NiMH, 1900 mAh, 7.5V Battery	$75.00
X	X	HNN9011_R	NiCd, 1200 mAh, 7.5V Battery - Intrinsically Safe (FM)	$111.00
X	X	HNN9012_R	NiCd, 1300 mAh, 7.5V Battery (Resale Packaging available through RPSD)	$65.00
X	X	HNN9013_R	Li-ion, 1500 mAh, 7.5V Battery (Resale Packaging available through RPSD)	$100.00
		impres™ - Intelligent Motorola Portable Radio Energy System: **The impres™ smart energy system ensures maximum talk-time and optimized battery cycle life through the use of its advanced charging technology and automatic reconditioning features.**		
X	X	HNN4002	impres™, NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM)	$125.00
X	X	HNN4001	impres™, NiMH, 1900 mAh, 7.5V Battery	$82.00
X	X	HNN4003	impres™, Li-ion, 2000 mAh, 7.5V Battery	$108.00
		Carry Cases:		
X	X	HLN9665	Leather Case with Belt Loop (MTX850, MTX950 & MTX850•LS - for use with NiMH & NiCd non-impres Batteries & all impres Batteries)	$51.00
X	X	HLN9652	Leather Case with Belt Loop (MTX850, MTX950 & MTX850•LS - for use with Li-ion non-impres Batteries)	$51.00
X	X	HLN9676	Leather Case with Swivel (Resale Packaging available through RPSD) (MTX850, MTX950 & MTX850•LS - for use with NiMH & NiCd non-impres Batteries and all impres Batteries)	$59.00
X	X	HLN9670	Leather Case with Swivel (MTX850, MTX950 & MTX850•LS - for use with Li-ion non-impres Batteries)	$59.00
X	X	HLN9689	Leather DTMF Case with Belt Loop (MTX8250, MTX9250 & MTX8250•LS - for use with NiMH & NiCd Batteries)	$51.00
X	X	HLN9677	Leather DTMF Case with Belt Loop (MTX8250, MTX9250 & MTX8250•LS - for use with Li-ion Batteries)	$51.00
X	X	HLN9694	Leather DTMF Case with Swivel (MTX8250, MTX9250 & MTX8250•LS - for use with NiMH & NiCd Batteries)	$59.00
X	X	HLN9690	Leather DTMF Case with Swivel (MTX8250, MTX9250 & MTX8250•LS - for use with Li-ion Batteries)	$59.00
X	X	HLN9701	Nylon Case with Belt Loop (Resale Packaging available through RPSD)	$24.00
X	X	HLN9714	2.5" Spring Action Belt Clip	$11.00
		impres™ - Intelligent Motorola Portable Radio Energy System Chargers: **The impres™ smart energy system ensures maximum talk-time and optimized battery cycle life through the use of its advanced charging technology and automatic reconditioning features, when used with impres™ batteries.**		
X	X	WPLN4182	impres™ Single Unit Charger	$62.50
X	X	WPLN4187	impres™ Multi Unit Charger	$495.00
X	X	WPLN4192	impres™ Multi Unit Charger with Display Modules - displays real-time for impres™ batteries - mAh, % capacity, time remaining to rapid charge complete (NiCd/NiMH batteries), battery s/n, charge status, voltage, kit number, expected full charge capacity & more.	$650.00
X	X	RLN5382	impres™ Charger Display Module - retrofitable on impres™ Multi Unit Chargers	$95.00

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SUGGESTED RETAIL

MTX850™/MTX950™/MTX8250™/MTX9250™/ MTX850·LS™/MTX8250·LS™ PORTABLE ACCESSORIES

MTX850/MTX950/ MTX8250/MTX9250	MTX850·LS/ MTX8250·LS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
		Chargers & Accessories:		
X	X	AAHTN3000	120 Volt - Single Unit Rapid Rate Charger	$56.75
X	X	NLN7967	Wall Mount Kit for Multi-Unit Charger	$21.00
X	X	RLN4883	Travel Charger (includes voltage regulated lighter adapter, custom charger base, coil cord and mounting bracket)	$89.25
X	X	RLN5233	Hard Wire Vehicular Charger (no Pac-RT functionality)	$270.00
X	X	WPLN4124_R	Battery Optimizing System II (BOS II) - 90-240 Volt AC, 50/60 Hz, 4 Station Reconditioner. Provides powerful analyzing and reconditioning features. Includes 12 resident programs, a QuickTest™ diagnostic battery state of health program, programmable adapter plates, and much more. Supports NiCd, NiMH, Li-ion and SLA batteries.	$2,106.00
X	X	RL-76345	Adapter Plate BOS I	$115.00
X	X	HLN9793	Charger Insert Spacer - Compatible with "A" version chargers ONLY	$6.30
X	X	HLN9794	Charger Insert Spacer - Compatible with "B", "C" & "D" version chargers ONLY	$6.30
		Battery Maintenance System (BMS):		
X	X	WPLN4079_R	Battery Maintenance System Plus (BMS+) - 110 Volt AC, 50/60 Hz - Six Station Reconditioner. Using interchangeable adapter plates (sold separately), the BMS+ is capable of charging and discharging, analyzing, conditioning, cycle testing, and more. Supports NiCd, NiMH and Li-ion battery chemistries.	$650.00
X	X	NDN4005	Battery Maintenance System (BMS) - 110 Volt AC, 50/60 Hz - Three Station Reconditioner. Supports NiCd and NiMH batteries (adapters sold separately).	$499.00
X	X	WPPN4079_R	BMS Battery Adapter (for use with NiCd & NiMH batteries)	$80.00
X	X	WPPN4080_R	BMS Battery Adapter (for use with NiCd, NiMH & Li-ion batteries)	$120.00
		Conditioning Chargers and Accessories:		
X	X	WPLN4107_R	Motorola Conditioning Charger - Single Unit - includes charger base, removable adapter plate and transformer, 1-2 hour rapid charge.	$70.00
X	X	WPPN4065_R	Motorola Conditioning Charger - Four-Station - 110 Volt, Base only, requires adapter plates (sold separately)	$399.00
X	X	WPPN4082_R	Adapter Plate Only (for use with Motorola Conditioning Chargers)	$15.00
X	X	RLN4814	Vehicular Mounting Bracket - includes hard wire cable with In-Line fuse for use with single unit Motorola Conditioning Chargers	$35.00
X	X	3080384G15	Cigarette Lighter Adapter for Single & Multi Unit Motorola Conditioning Chargers	$7.00
		Headsets & Accessories:		
X	X	AARMN4018	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM) (Resale Packaging available through RPSD)	$100.00
X	X	AARMN4031	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone - Intrinsically Safe (FM)	$65.00
X	X	AARMN4017	Ultra-Light Headset with Boom Microphone, Earbud Style Receiver - Intrinsically Safe (FM)	$55.00
X	X	ENMN4012	Ultra-Light Headset, behind-the-head with In-Line PTT and Boom Microphone - Intrinsically Safe (FM)	$110.00

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SUGGESTED RETAIL

MTX850™/MTX950™/MTX8250™/MTX9250™/ MTX850·LS™/MTX8250·LS™ PORTABLE ACCESSORIES

MTX850/MTX950/ MTX8250/MTX9250	MTX850·LS/ MTX8250-LS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
		Headsets & Accessories continued:		
X	X	RMN4048	Temple Transducer - Receive audio without covering the ear; behind-the-head style headset allows user to receive audio through the temples. Headset features a noise cancelling boom microphone and In-Line PTT - Intrinsically Safe (FM)	$175.00
X	X	ENMN4016	Medium Duty Headset, behind-the-head, with In-Line PTT & Noise Cancelling Boom Microphone, Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$270.00
X	X	AARMN4019	Medium Weight over-the-head Dual Muff Headset with Noise Cancelling Microphone & In-Line PTT - Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$265.00
X	X	AARMN4032	Medium Weight over-the-head Dual Muff Headset with Noise Cancelling Microphone - Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$240.00
X	X	RMN5015	Racing Headset - Same headset worn by pit crews on the CART racing circuit. Heavy Duty, behind-the-head (can be worn with hardhat) Headset with Noise Cancelling Swivel Boom Microphone. Noise Reduction Rating = 24dB (adapter cable required and sold separately)	$500.00
X	X	RKN4091	Adapter Cable for Racing Headset (for use with RMN5015)	$140.00
	X	AARMN4020	Push-to-Talk or (VOX) Voice Activated Heavy Duty Dual Muff Headset with Noise Cancelling Microphone and PTT on Earcup, Noise Reduction Rating = 24dB - Intrinsically Safe (FM) (VOX operational only on conventional channel)	$525.00
X	X	RMN4051	2-Way Hard-Hat Mount Headset, Black - Noise Reduction Rating = 22dB (requires RKN4097 or RKN4094)	$225.00
X	X	RMN4052	Tactical Headband-Style Headset, Gray - Noise Reduction Rating = 24dB (requires RKN4097 or RKN4094)	$330.00
X	X	RMN4053	Tactical Hard-Hat Mount Headset, Gray - Noise Reduction Rating = 22dB (requires RKN4097 or RKN4094)	$330.00
X	X	RKN4097	In-Line PTT Adapter Cable (for use w/RMN4051, RMN4052 & RMN4053 Headsets)	$199.00
		Earpieces:		
X	X	AARLN4885	Receive-Only Foam Earbud with 3.5mm plug - (for use with AAHMN9053) - Intrinsically Safe (FM)	$25.00
X	X	RLN5316	2-Wire Comfort Earpiece with Combined Microphone and PTT, Beige Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise enhancement (NTN8371) already attached for extra comfort and convenience.	$108.00
X	X	RLN5315	2-Wire Comfort Earpiece with Combined Microphone and PTT, Black Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise enhancement (NTN8371) already attached for extra comfort and convenience.	$108.00
X	X	AARMN4022	2-Wire Surveillance Kit with Microphone & PTT Combined, Beige - Intrinsically Safe (FM) - (Resale Packaging available through RPSD)	$100.00
X	X	AARMN4029	2-Wire Surveillance Kit with Microphone & PTT Combined, Black - Intrinsically Safe (FM)	$100.00

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SUGGESTED RETAIL

MTX850™/MTX950™/MTX8250™/MTX9250™/ MTX850·LS™/MTX8250·LS™ PORTABLE ACCESSORIES

MTX850/MTX950/ MTX8250/MTX9250	MTX850·LS/ MTX8250·LS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
		Earpieces continued:		
X	X	ENMN4014	3-Wire Surveillance Kit with Microphone & PTT Separate, Black - Intrinsically Safe (FM)	$165.00
X	X	ENMN4017	3-Wire Surveillance Kit with Microphone & PTT Separate, Beige - Intrinsically Safe (FM)	$165.00
X	X	AARMN4021	Receive-Only Earpiece without Volume Control, Beige - Intrinsically Safe (FM)	$40.00
X	X	AARMN4028	Receive-Only Earpiece without Volume Control, Black - Intrinsically Safe (FM) (Resale Packaging available through RPSD)	$40.00
X	X	RLN4941	Receive-Only Earpiece with translucent tube, rubber eartip and 3.5mm plug (for use with AAHMN9053)	$58.00
X	X	RLN4922	Completely Discreet Earpiece Kit - must be used with any standard 2 or 3-wire surveillance kit	$340.00
X	X	NTN8370	Extreme Noise Earpiece Adapter Kit, Noise Reduction Rating = 24dB - (for use with surveillance accessories)	$32.00
X	X	NTN8371	Low Noise Earpiece Adapter Kit - (for use with surveillance accessories - clear comfortable earpieces can be added for extra comfort - must be ordered separately through RPSD)	$20.00
X	X	RLN4760	Small Custom Earpiece, Right Ear (for use with NTN8371)	$20.50
X	X	RLN4761	Medium Custom Earpiece, Right Ear (for use with NTN8371)	$20.50
X	X	RLN4762	Large Custom Earpiece, Right Ear (for use with NTN8371)	$20.50
X	X	RLN4763	Small Custom Earpiece, Left Ear (for use with NTN8371)	$20.50
X	X	RLN4764	Medium Custom Earpiece, Left Ear (for use with NTN8371)	$20.50
X	X	RLN4765	Large Custom Earpiece, Left Ear (for use with NTN8371)	$20.50
X	X	ENMN4013	Flexible Ear Receiver (flexible earloop & speaker that rests external to the ear) - Intrinsically Safe (FM)	$60.00
X	X	WADN4190	Flexible Ear Receiver to be used with the Remote Speaker Microphone or Public Safety Microphone - Intrinsically Safe (FM)	$43.00
		Microphones:		
X	X	AAHMN9052	Remote Speaker Microphone with Coiled Cord & Swivel Clothing Clip - Intrinsically Safe (FM) - (Resale Packaging available through RPSD)	$66.25
X	X	HKN9055	Remote Speaker Microphone Replacement Cable	$40.00
X	X	AAHMN9053	Noise Cancelling Remote Speaker Microphone with Coiled Cord, Swivel Clothing Clip & 3.5mm Audio Jack - Intrinsically Safe (FM) - (Resale Packaging available through RPSD)	$72.50

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SUGGESTED RETAIL

MTX850™/MTX950™/MTX8250™/MTX9250™/ MTX850·LS™/MTX8250·LS™ PORTABLE ACCESSORIES

MTX850/MTX950/ MTX8250/MTX9250	MTX850·LS/ MTX8250·LS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
		Ear Microphone System:		
X	X	BDN6677	Ear Microphone, Black (for noise levels up to 95dB) - requires Interface Module	$198.00
X	X	BDN6678	Ear Microphone, Beige (for noise levels up to 95dB) - requires Interface Module	$198.00
X	X	BDN6641	Ear Microphone, Gray (for high noise levels up to 105dB) - requires Interface Module - Intrinsically Safe (FM)	$247.00
X	X	AARMN4044	Interface Module for PTT Operation Only - Intrinsically Safe (FM)	$284.00
X	X	0180358B38	Finger Push to Talk Switch for Ear Microphone System - Intrinsically Safe (FM)	$52.50
X	X	0180300E83	Body Switch Push to Talk for Ear Microphone System - Intrinsically Safe (FM)	$159.00
		General Accessories:		
X	X	HLN9820	Accessory Dust Cover	$6.60
X	X	RLN4890	Assistive Turning Knobs	$15.75
		CommPort: Integrated Microphone/Receiver	**CommPort Integrated Microphone/Receiver System is a communication device that is intelligible in high noise levels up to 100dB. This device's acoustic technology does not rely on bone conduction for communication.**	
X	X	NTN1722	Integrated Ear Microphone & Receiver System with PTT on Radio Adapter - Intrinsically Safe (FM)	$344.00
X	X	NTN1724	Integrated Ear Microphone & Receiver System with Ring PTT - Intrinsically Safe (FM)	$370.00
X	X	NTN1737	Integrated Ear Microphone & Receiver with Snap-on-Side PTT - Intrins. Safe (FM)	$378.00
X	X	NNTN4187	Integrated Microphone Receiver with Remote Push-to-Talk Body Switch - Intrinsically Safe (FM)	$485.00
X	X	NNTN4188	Replacement Remote PTT Body Switch	$180.00
X	X	NKN6508	Replacement Cable for NTN1722 & NTN1625	$34.50
X	X	NKN6510	Replacement Palm PTT Cable for NTN1624 & NTN1723	$53.00
X	X	NKN6525	Replacement Snap-on-Side PTT Cable for NTN1737	$75.00
X	X	RLN5037	Replacement Ear Tubes (qty 10)	$26.00
X	X	NTN8821	CommPort Maintenance Kit - includes Replacement Ear Tubes (qty 10), Windscreens (qty 2) and Microphone Seal Strips (qty 10)	$46.00
X	X	NTN8986	Adhesive Pads (qty 90) for secure attachment to the ear	$23.00
X	X	NTN8988	Ear Straps (qty 10) for secure attachment to the ear	$17.25

MTX850™/MTX950™/MTX8250™/MTX9250™/ MTX850·LS™/MTX8250·LS™

PORTABLE ACCESSORIES

SUGGESTED RETAIL

MTX850/MTX950/ MTX8250/MTX9250	MTX850·LS/ MTX8250·LS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
		Call Boxes:	**Allows for integration into most existing radio systems and provides direct access to personnel connected to the system. Allows for expansion of security coverage and can help improve response time without the need for additional personnel. Includes a voice instruction message for the user, automatic call box ID and user location identifiers, a courtesy light, easy push-to-talk operation, a silent tamper alert broadcast to security, low battery alert, 40-day standby battery capacity, one 12-volt, 12 amp/hour rechargeable battery, call box keys and tamper resistant screw bits. Pricing does not include radio or installation.**	
		A106.5 Call Boxes - Freestanding. Solar or AC/DC power. The .090 thick, white powder-coated aluminum box measures 6.5' H x 10" W x 5" D. Includes antenna and choice of reflective vinyl message decal.		
X	X	RRDN4588	Solar Powered	$1,999.00
X	X	RRDN4589	AC/DC Powered	$1,969.00
		A144 Call Boxes - Flexibility. Can be wall or pole mounted for convenient accessibility. The .090 thick, white, powder-coated aluminum enclosure measures 4' H x 14" W x 7.5" D. Includes a 6-watt locator LED that converts to a strobe light when callbox is activated. Comes standard with a 10-watt solar panel and choice of large reflective vinyl message decal.		
X	X	RRDN4590	Solar Powered	$2,995.00
X	X	RRDN4591	AC/DC Powered	$2,895.00
		A1 Call Boxes - Field programmable. Mounts on a wall, or on a PVC or aluminum stanchion. Solar or AC/DC power. The .090 thick aluminum enclosure with white powder coat measures 13"H x 9.5"W x 6.5"D. Provides protection against dust and falling rain. For indoor and outdoor use. Includes antenna and set of small reflective decals.		
X	X	RRDN4362	Solar Powered	$2,585.00
X	X	RRDN4363	AC/DC Powered	$2,350.00
X	X	RRDN4364	Solar Powered with PVC Stanchion	$2,850.00
X	X	RRDN4365	Solar Powered with Aluminum Stanchion	$3,175.00
X	X	RRDN4366	AC/DC Powered with Aluminum Stanchion	$2,975.00
		ACB Call Boxes - Push-to-talk communication. No door to open. The indoor/outdoor wall mount aluminum enclosure is .090 thick with white powder coat. It measures 20"H x 14"W x 7.5"D with a thick, clear Lexan face-plate cover. Includes activation ringer, antenna and set of small reflective decals.		
X	X	RRDN4367	Solar Powered	$2,695.00
X	X	RRDN4368	AC/DC Powered	$2,550.00
		A1410 Call Boxes - Self-standing. The .090 thick aluminum stanchion with white powder coat measures 10'H x 14"W x 7.5"D. Thick, clear Lexan faceplate cover and includes an activation ringer, antenna and set of large reflective decals. 10 watt solar panel provides additional charging power to allow the beacon/locator light to function 24 hours a day.		
X	X	RRDN4369	Solar Powered	$3,185.00
X	X	RRDN4370	AC/DC Powered	$2,900.00
		MACPlus Call Boxes - Four-button notification panel. The software-driven system sends automatic audible and digital signals to a dispatch center and is ADA compliant. Alerts the dispatch center every 24 hours with a status report. The powder coated stainless steel enclosure measures 15"H x 11 3/8"W x 7"D and features a self-closing pneumatic/ mechanical door with ADA compliant hinges. Includes activation ringer, help-enroute LED light, set of small reflective decals and a 2"D Call Box pole/wall mounting bracket. Requires RRDN4373 Software Package for programming of Call Buttons. Only one software package is required regardless of number of Call Boxes in system.		
X	X	RRDN4371	Solar Powered	$3,785.00
X	X	RRDN4372	AC/DC Powered	$3,600.00
X	X	RRDN4373	MACPlus Computer Aided Maintenance Software Package	$1,450.00

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SUGGESTED RETAIL

MTX850™/MTX950™/MTX8250™/MTX9250™/ MTX850·LS™/MTX8250·LS™ PORTABLE ACCESSORIES

MTX850/MTX950/ MTX8250/MTX9250	MTX850·LS/ MTX8250·LS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
		Antennas:		
X	X	8505241U03	806-870 MHz Whip Antenna	$35.75
X	X	8505241U06	806-941 MHz 1/4 Wave Stubby Antenna	$25.50
X		8505241U04	896-941 MHz Whip Antenna	$35.75
		Retrofit Boards:		
	X	AAHLN9725	Voice Storage Option Board - Field Install Only	$74.75
		Service Accessories:		
X	X	H5177	Portable & Mobile Programming Software Plus (CPS+) - 3 Year Subscription Package - HVN9025 includes CPS/PPCPS (PassPort® Customer Programming Software), CPS tutorial, reflashing tool and freq. finder application for the HT, EX, CDM & MTX•LS Series. HVN9067 for MTX Series Privacy Plus - includes HT & MTX Series Programming & Test Cable (AARKN4074). Also is compatible with RLN4460 used for radio testing. (HVN9025 is compatible with Windows® 95/98/2000 (SP3 or later version) / Millennium (ME) / Windows NT®. HVN9067 is compatible with Windows® 95/98/Windows NT®.) A Mobile Programming Cable (AARKN4081 or AARKN4083) must be purchased separately. **Note: Software requires a license agreement and is not intended for resale.**	$299.00
X	X	AARKN4074	Programming & Test Cable - Programming cables require a Radio Interface Box (RIB), also compatible with RLN4460 used for radio testing. (Multi-Language manual)	$63.00
X	X	RKN4075	Ribless Programming Cable - provides interface between computer and radio - (not compatible with RIB) (Multi-Language Manual)	$88.00
X	X	RLN4510	7.5 Volt Universal Battery Eliminator	$150.00
X	X	AA0180305G54	Battery Eliminator Cable (requires RLN4510 - 7.5 V)	$60.00
		Manuals:		
X	X	6880906Z54-D	HT750, HT1250, HT1250•LS+, HT1550•XLS, MTX850, MTX950, MTX8250, MTX9250, MTX850•LS & MTX8250•LS Basic Service Manual	$11.00
X	X	6881088C46-E	HT750, HT1250, HT1250•LS+, HT1550•XLS, MTX850, MTX950, MTX8250, MTX9250, MTX850•LS & MTX8250•LS Detailed Service Manual	$27.00

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SUGGESTED RETAIL

PM400™ MOBILE

VHF & UHF Models, Switchable 12.5/20/25 kHz

All PM400 Models Include:

- **Standard Microphone (Heavy Duty Palm Microphone with 10.5 Ft. Coil Cord - HMN1035 & Hang-Up Clip - HLN9073)**
- **Standard Inst Bracket (Non-Locking Mounting Bracket - GLN7324)**
- **Standard Power Cable (HKN4137_R)**
- **4 Programmable Buttons**
- **8 Character Alphanumeric Display**
- **User Guide / Safety Manual**
- **Two Year Warranty**

Conventional/LTR® Programmable Features

- **64 Conventional Channels**
- **System Scan**
- **12.5/20/25 kHz Switchable**
- **Dual Priority Scan (Conv. Only)**
- **Two Memory Channels (Conv. Only)**
- **Busy Channel Lockout (Conv. Only)**
- **Option Board Expandability**
- **High/Low Power Settings**
- **Local/Distance Mode**
- **Time-Out-Timer**

LTR® Features:

- **Up to 100 LTR Talkgroups**
- **Mixed Assignment of Conv. Personalities & LTR Talkgroups**
- **Up to 10 Sites & 100 Talkgroups in LTR**
- **Up to 20 Repeaters per Site in LTR**
- **Up to 4 Universal IDs per System in LTR**
- **Up to 40 Universal IDs per Radio**
- **User Programmable Scan & Phone Lists**
- **Data Operated Squelch**

Conventional/LTR® Signaling Features

- **MDC1200 Emergency (Encode - Conv. Only)**
- **MDC1200 PTT ID (Numeric ID-Encode/Decode)**
- **MDC1200 Call Alert (Encode/Decode)**
- **MDC1200 Selective Call (Encode/Decode)**
- **MDC1200 Selective Radio Inhibit (Decode)**
- **MDC1200 Radio Check (Decode)**
- **Quik Call II™ Call Alert (Encode/Decode - Conv. Only)**
- **Quik Call II™ Selective Call (Encode/Decode - Conv. Only)**
- **DTMF PTT ID (Encode - Conv. Only)**
- **DTMF Call Alert (Encode - Conv. Only)**
- **DTMF Selective Call (Encode - Conv. Only)**

NOTES:

- **PM400 Mobiles are not compatible components with the GR Series Repeaters.**

The following frequencies are not allowed:
444.860
489.255

BAND SPLIT	BAND	CHANNEL SPACING	CHAN	PWR	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
146-174 MHz	VHF	Switchable 12.5/20/25 kHz	64	1-25W	AAM50KNF9AA3_N	$595
				25-45W	AAM50KQF9AA3_N	$655
438-470 MHz	UHF	Switchable 12.5/20/25 kHz	64	1-25W	AAM50RNF9AA3_N	$647
				25-40W	AAM50RPF9AA3_N	$707
465-495 MHz	UHF	Switchable 12.5/20/25 kHz	64	25-40W	AAM50SPF9AA3_N	$707

FCC INFORMATION: AZ492FT3805 (146-174 MHz 1-25W), ABZ99FT3046 (146-174 MHz 25-45W), AZ492FT4856 (438-470 MHz 1-25W), ABZ99FT4048 (438-470 MHz 25-40W), ABZ99FT4049 (465-495 MHz 25-40W)

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Date 1/9/06

SUGGESTED RETAIL

PM400™ MOBILE ACCESSORIES

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE FOR STEP 1		
	STEP 1:	
Microphone Choices:		
STDPKG0019	Standard Microphone (Heavy Duty Palm Microphone with 10.5 Ft. Coil Cord - HMN1035 & Hang-Up Clip - HLN9073)	N/C
G168	Compact Microphone with 7 Ft. Coil Cord & Hang-Up Clip (HMN3413)	-$15.00
G172	Enhanced Keypad Microphone & Hang-Up Clip (RMN5029)	$51.00
G311	Omit Standard Microphone	-$22.00

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
General Options:		
G400	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$23.00
G24	Express Service Plus Plan (ESP) 2 Year - Provides for 2 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$39.00

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SUGGESTED RETAIL

CDM1550·LS+™
VHF / UHF MOBILE

LTR®/PassPort® Trunking Models, Switchable 12.5/20/25 kHz

All CDM1550•LS+ mobile models include:
- Standard Compact Microphone (AARMN4025)
- Standard Bracket (Low Profile Bracket - GLN7324)
- Standard Power Cable (Low Power HKN4137_R / High Power HKN4191)
- 4 Programmable Buttons
- 14 Character Alphanumeric Display
- Replaceable Button Package (includes buttons for MON (Monitor), SCAN (Scan), CALL (Radio Call), PHONE (Phone), HOME (Channel Revert), ROAM (Roam Request) and SITE (Site/Min View) - RLN5324)
- Operating Instruction Manual
- Two Year Warranty

Conventional/LTR®/PassPort® Programmable Features:
- System, All Group, Auto Group Scan (Conventional & LTR®)
- Dual Priority Scan (Conventional Operation Only)
- Home Channel Revert (LTR® & PassPort®)
- 12.5/20/25 kHz Switchable Channel Spacing
- X-Pand™ Companding Technology
- Telephone Interconnect
- Adjustable Power Levels
- Voice Storage

LTR® Protocol - MDC1200 Signaling: Programmable Features:
- Call Alert (Encode/Decode)
- Selective Call (Encode/Decode)
- PTT-ID (Encode/Decode)
- Radio Check (Encode/Decode)

Note: The HKN9327 Ignition Switch Cable is required for installations requiring ignition sense.

The following frequencies are not allowed:

151.200	436.795	453.605	483.320	511.755
403.200	436.800	457.805	488.345	507.875
403.205	436.805	459.905	494.955	
419.195	443.950	468.300	498.830	
420.000	453.595	470.400	504.000	

Additional PassPort® Features:
- PassPort® Group Scan
- Seamless Roaming
- Automatic Registration/Deregistration (upon power up and power down)
- PTT ID Aliasing & MIN on Display
- Unique ESN (Electronic Serial Number)
- Direct Frequency Assignment
- Home System Lookback
- Selective Radio Inhibit (Decode)
- Roam Request
- Site/MIN View
- Selective Call / Call Alert (with Horn & Lights activation)
- Roam Lock
- Site / Talkgroup Restriction (requires NTS option)
- NTIA Band 9 MHz Rx/Tx Support - UHF Only

160 Channel Models also include:

LTR® Protocol - MDC1200 Signaling:
- Status (Encode)
- Message (Encode/Decode)

Conventional Mode - MDC1200 Signaling:
- Call Alert (Encode/Decode)
- Selective Call (Encode/Decode)
- PTT-ID (Encode/Decode)
- Radio Check (Encode/Decode)
- Emergency Alert (Encode/Decode)
- Covert Emergency
- Status (Encode)
- Message (Encode/Decode)

Conventional Mode - Signaling:
- Quik Call II (Encode/Decode)

BAND SPLIT	BAND	PWR	TRUNK MODES/ TALKGROUPS	CONV CHAN	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
136-174 MHz	VHF	1W to 25W	15/16	16	AAM25KHF9DP5_N	$660
				160	AAM25KHF9DP6_N	$717
		25W to 45W	15/16	16	AAM25KKF9DP5_N	$734
				160	AAM25KKF9DP6_N	$800
403-470 MHz	UHF	1W to 25W	15/16	16	AAM25RHF9DP5_N	$717
				160	AAM25RHF9DP6_N	$783
		25W to 40W	15/16	16	AAM25RKF9DP5_N	$800
				160	AAM25RKF9DP6_N	$867
450-512 MHz	UHF	1W to 25W	15/16	16	AAM25SHF9DP5_N	$717
				160	AAM25SHF9DP6_N	$783
		25W to 40W	15/16	16	AAM25SKF9DP5_N	$800
				160	AAM25SKF9DP6_N	$867

FCC INFORMATION AZ492FT3796 (136-174 MHz 1-25W) / AZ492FT3795 (136-174 MHz 25-45W) / AZ492FT4835 (403-470 MHz 1-25W) / AZ492FT4830 (403-470 MHz 25-40W) / AZ492FT4829 (450-512 MHz 1-25W) / AZ492FT4836 (450-512 MHz 25-40W)

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SUGGESTED RETAIL

CDM1550·LS+™

200 & 700 MHz MOBILE

LTR®/PassPort® Trunking Models - 12.5 kHz

All CDM1550•LS+ mobile models include:

- Standard Compact Microphone (AARMN4025)
- Standard Antenna (216-225 MHz 1/4 Wave Roof Mount HKAD4001 / 746-794 MHz Mini U 1/4 Wave Roof Mount HAF4012)
- Standard Bracket (GLN7324)
- Standard Power Cable (HKN4137_R)
- 4 Programmable Buttons
- 14 Character Alphanumeric Display
- Replaceable Button Package (includes buttons for MON (Monitor), SCAN (Scan), CALL (Radio Call), PHONE (Phone), HOME (Channel Revert), ROAM (Roam Request) and SITE (Site/Min View) - RLN5324)
- Operating Instruction Manual
- Two Year Warranty

Conventional/LTR®/PassPort® Programmable Features:

- System, All Group, Auto Group Scan (Conventional & LTR®)
- Dual Priority Scan (Conventional Operation Only)
- Home Channel Revert (LTR® & PassPort®)
- X-Pand™ Companding Technology
- Telephone Interconnect
- Adjustable Power Levels
- Clock and Alarm
- Voice Storage

Conventional / LTR® Protocol - MDC1200 Signaling: Programmable Features:

- Call Alert (Encode/Decode)
- Selective Call (Encode/Decode)
- PTT-ID (Encode/Decode)
- Radio Check (Encode/Decode)
- Status (Encode)
- Message (Encode/Decode)

Additional PassPort® Features

- PassPort® Group Scan
- Seamless Roaming
- Automatic Registration/Deregistration (upon power up and power down)
- PTT ID Aliasing & MIN on Display
- Unique ESN (Electronic Serial Number)
- Direct Frequency Assignment
- Home System Lookback
- Selective Radio Inhibit (Decode)
- Roam Request
- Site/MIN View
- Selective Call / Call Alert (with Horn & Lights activation)
- Roam Lock
- Site / Talkgroup Restriction (requires NTS option)

Note: The HKN9327 Ignition Switch Cable is required for installations requiring ignition sense.

The following band is not allowed:

216-217	**Rx: 747-762, 764-794**
218-219	**Tx: 747-762, 764-776, 777-792**

BAND SPLIT	BAND	PWR	TRUNK MODES/ TALKGROUPS	CONV CHAN	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
217-218 MHz 219-222 MHz	200 MHz	1W to 25W	15/16	16	AAM25MHF4DP5_N	$760
Rx: 746-747 MHz 762-764 MHz Tx: 746-747 MHz T/A 762-764 MHz T/A 776-777 MHz 792-794 MHz	700 MHz	1W to 15W	15/16	16	AAM255HF4DP5_N	$760

FCC INFORMATION: ABZ99FT3081 (217-218, 219-222 MHz) / ABZ99FT5001 (746-747, 762-764, 776-777, 792-794 MHz)

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SUGGESTED RETAIL

CDM1550·LS+™
MOBILE
OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP		
	STEP 1:	
Microphone Choices:		
STDMIC0001	Standard Compact Microphone - Supports Remote Monitor (AARMN4025)	N/C
B20	Enhanced Keypad Microphone - Supports Remote Monitor (AARMN4026)	$51.00
G632	Heavy Duty Microphone (AARMN4038)	$36.00
B71	Omit Microphone	-$10.00
	STEP 2:	
Bracket Choices:		
STDBKT0001	Standard Mounting Bracket (GLN7324)	N/C
B65	Omit Standard Mounting Bracket	-$4.00
	STEP 3:	
Cable Choices:		
STDCBL0001	Standard Power Cable (Low Power HKN4137_R / High Power HKN4191)	N/C
B161	Omit Standard Power Cable	-$8.00
	STEP 4:	
Shipping Box Choices:		
STDBOX0001	Standard CDM Series Individual Model Box	N/C
B842	Bulk Packaging (minimum 6 units per line item)	N/C

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
General Options:		
G400	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$33.00
G398	Express Service Plus Plan (ESP) 3 Year - Provides for 3 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$95.00

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SUGGESTED RETAIL

PROFESSIONAL TRUNKING MOBILE ACCESSORIES

PM400	CDM1550•LS+	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
		Microphones:		
X		HMN3413	Compact Microphone with 7 Ft. Coil Cord & Hang-Up Clip	$39.50
X		HMN3596	Compact Microphone with 7 Ft. Coil Cord	$38.50
	X	AARMN4025	Standard Compact Microphone (Supports Remote Monitor)	$47.25
	X	AARMN4026	Enhanced Keypad Microphone (Supports Remote Monitor)	$99.00
X		RMN5029	Enhanced Keypad Microphone & Hang-Up Clip	$88.50
	X	AARMN4038	Heavy Duty Microphone (Does Not Support Remote Monitor)	$81.50
X		HMN1035	Heavy Duty Palm Microphone with 10.5 Ft. Coil Cord	$81.50
X	X	AAREX4617	Telephone Style Handset with Hang-Up Cup	$132.00
X		HLN9414	Universal Hang-Up Clip (all microphones)	$7.70
X	X	HLN9073	Microphone Hang-Up Clip (all microphones)	$1.10
		Handsfree Accessories:		
X	X	AARMN4027	Visor Mounted Microphone	$21.50
X	X	RLN4856	Footswitch PTT	$61.75
X	X	RLN4857	Pushbutton PTT	$38.50
X	X	RLN4858	Gooseneck PTT	$76.00
		Exchangeable Button Kits:		
		NOTE: Other individual exchangeable buttons are available through CCSD. Please see Basic Service Manual for button numbers.		
	X	RLN4831	Standard Button Kit, CDM1250, CDM1550, CDM1550•LS & CDM1550•LS+: MON, SCAN, CALL, HOME, PHONE	$7.90
	X	RLN5324	Standard Button Kit, CDM1550•LS & CDM1550•LS+: MON, SCAN, CALL, HOME, PHONE, ROAM, SITE	$3.25
		Mounting Accessories:		
X	X	GLN7324	Low Profile Mounting Bracket (VHF, UHF, 200 MHz & 700 MHz)	$13.25
X	X	GLN7317	High Profile Mounting Bracket (VHF, UHF, 200 MHz & 700 MHz)	$21.00
X	X	RLN4779	Key Lock Mounting Bracket (VHF, UHF, 200 MHz & 700 MHz)	$33.00
X		HLN9227	8" Goose Neck Mounting Bracket	$28.75
	X	RLN4781	Direct in Dashboard Mounting Kit (VHF, UHF, 200 MHz & 700 MHz)	$23.25
		Dual Control Heads & Remote Mounts (both power cable & remote mount cable are required)		
	X	RLN4802	Remote Mount Kit - CDM1250 & CDM1550 models (req. HKN4192 power cable)	$93.50
	X	RKN4077	Remote Mount Cable, 3 meter length	$8.25
	X	RKN4078	Remote Mount Cable, 5 meter length	$10.50
	X	RKN4079	Remote Mount Cable, 7 meter length	$13.00
	X	RLN5682	CDM Dual Control Head Interface Box	$575.00
	X	RLN5898	CDM750 Dual Control Head Kit (includes RLN5682)	$775.00
	X	RLN5899	CDM1250 Dual Control Head Kit (includes RLN5682)	$807.00
	X	RLN5900	CDM1550 Dual Control Head Kit (includes RLN5682)	$885.00
		External Speakers:		
	X	RSN4001	13 Watt External Loudspeaker	$66.00
	X	HSN8145	7.5 Watt External Speaker - for Receiver Audio	$47.50

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SUGGESTED RETAIL

PROFESSIONAL TRUNKING MOBILE ACCESSORIES

PM400	CDM1550•LS+	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
		Installation and Alarm Accessories:		
X	X	HKN4137_R	15 Amp Low Power Cable to Battery (VHF, UHF, 200 MHz & 700 MHz)	$18.00
	X	HKN4192	12V 20 Ft. Power Cable to Battery (all models)	$38.33
X		HKN4191	20 Amp High Power Cable to Battery	$18.00
X		RSN4001	13 Watt External Loudspeaker	$66.00
X		HSN8145	7.5 Watt External Speaker - for Receiver Audio	$47.50
X		GLN7282	Alarm Buzzer	$46.25
	X	GKN6272_R	External Alarm Relay and Cable	$55.00
X		HLN9328	External Alarm Relay Cable - horn & lights	$55.00
X	X	RLN4836_R	Emergency Footswitch	$61.75
X	X	HKN9327_R	Ignition Switch Cable	$9.90
	X	HKN9557	PL259/Mini-U Antenna Adapter - 8" cable	$12.00
X		HLN9242	16-Pin Accessory Kit with Expanded Connector (kit allows existing 16 pin connector accessories to be modified for enhanced connector reliability) when used with CM & SM Series or M1225 mobiles. Includes 9 wires with lugs, 1 connector housing, 16 crimping terminals, 2 tie straps and 1 extraction tool)	$5.65
	X	HLN9457	Hardware Kit for use with the Expanded Accessory Connector (includes 16 connector pins, five (5) 8" wires with pins attached and an extra housing)	$6.95
		Control Station Accessories:		
	X	RLN5403	Mobile Control Station (requires 3080137S02 cable)	$650.00
X	X	HMN3000	Desk Microphone, Black	$120.00
	X	GLN7326	Desktop Tray with Speaker	$82.50
X		RLN5390	Desktop Tray with Speaker	$81.00
	X	GLN7318	Desktop Tray without Speaker	$40.00
X		RLN5391	Desktop Tray without Speaker	$51.50
X		HKN4139	12V Power Cable for Low Power Control Station 1-25W	$21.00
X		HKN9455	12V Power Cable for High Power Control Station 25-60W	$22.00
	X	HKN9088	Mobile Mini-U Antenna Adapter - 8 Ft. Cable	$40.25
X	X	HPN4008	Power Supply and Cable (1-25 Watt Models)	$264.00
X	X	HPN4007	Power Supply and Cable (25-60 Watt Models)	$296.00
		Mobile Data Units: (only compatible in Conventional, LTR® and PassPort® Single Site Applications)		
		Terminals:		
X	X	RDN7368	Mobile Display Terminal - Mobile messaging device equipped with a data modem. This unit features a 4x40 backlit LCD display and the keypad allows users to send information to the dispatcher in response to base instructions.	$699.00
X	X	RDN7738	Serial Breakout Unit (used in multiple applications that will allow up to 8 base modems to be connected)	$1,200.00
X	X	RDN7367	Mobile Display Terminal with GPS - Mobile display terminal equipped with an Automatic Vehicle Location (AVL) device compatible with Global Positioning system (GPS).	$1,049.00
X	X	RDN7369	Standalone Modem & GPS - Cost efficient Automatic Vehicle Location (AVL) device compatible with Global Positioning System (GPS).	$599.00

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SUGGESTED RETAIL

PROFESSIONAL TRUNKING MOBILE ACCESSORIES

PM400	CDM1550•LS+	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
		Mobile Data Units continued: (only compatible in Conventional, LTR® and PassPort® Single Site Applications)		
		Radio Interface Cables: One radio interface cable is required with purchase of each hardware device.		
	X	RDN7370	3 Ft. Interface Cable with 16 Pin Connector	$45.00
	X	RDN7376	15 Ft. Interface Cable with 16 Pin Connector	$55.00
X	X	RDN7739	3 Ft. Flying Cable (same as regular interface cable but omits connectors)	$35.00
X	X	RDN7740	15 Ft. Flying Cable (same as regular interface cable but omits connectors)	$45.00
		Global Positioning System (GPS) Antennas: Antenna is required with purchase of any GPS unit.		
X	X	RDN7372	Fixed Mount GPS Active Antenna	$95.00
X	X	RDN7375	Magnetic Mount GPS Active Antenna	$90.00
		Software:		
X	X	RDN7378	AVL Messaging Status Software - Mapping software that provides the user with Automatic Vehicle Location to track vehicles along with message dispatch and status tracking capability.	$2,200.00
X	X	RDN7374	Programming Software - Used for mobile data units.	$125.00
X	X	RDN7377	Regional Map Software - Will allow up to 10 selected US counties.	$599.00
		Miscellaneous:		
X	X	RDN7364	Radio Channel Card - A radio channel controller and modem that interface with the base radio. Required with every radio channel or wireless circuit used within the system.	$999.00
X	X	RDN7380	Mobile Programming Hardware	$200.00
		Public Address:		
X	X	RLN5288	Public Address Kit - includes interface cable (requires HSN1000 speaker)	$419.00
X	X	HKN9324_R	15 Ft. Public Address & Speaker Cable (one cable per speaker)	$44.00
X	X	HSN1000	6 Watt Amplified External Speaker	$109.00
		Antennas:		
	X	HKAD4001	200 MHz 1/4 Wave Roof Mount Antenna, 216-225 MHz	$32.00
	X	HKAD4002	200 MHz 5/8 Wave Roof Mount Antenna, 216-225 MHz	$41.00
	X	HAF4012	700 MHz Mini U 1/4 Wave Roof Mount Antenna, 746-794 MHz	$16.00
X		RAD4000	Antenna Only (less cable & install hardware) - Standard Duty, 136-174 MHz	$43.50
	X	HAD4006	VHF 1/4 Wave Roof Mount Antenna, 136-144 MHz	$19.50
X	X	HAD4007	VHF 1/4 Wave Roof Mount Antenna, 144-152 MHz	$19.50
X	X	HAD4008	VHF 1/4 Wave Roof Mount Antenna, 150.8-162 MHz	$19.50
X	X	HAD4009	VHF 1/4 Wave Roof Mount Antenna, 162-174 MHz	$19.50
	X	HAD4014	VHF 3dB Gain Roof Mount Antenna, 140-174 MHz	$57.00
X	X	RAD4000AMB	VHF 3dB Gain Magnetic Mount Antenna, 140-174 MHz	$58.50

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SUGGESTED RETAIL

PROFESSIONAL TRUNKING MOBILE ACCESSORIES

PM400	CDM1550•LS+	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
		Antennas continued:		
	X	HAE4002	UHF 1/4 Wave Roof Mount Antenna, 403-430 MHz	$20.00
X		TAE6053	UHF 1/4 Wave Roof Mount Antenna, 430-450 MHz	$20.00
X	X	HAE4003	UHF 1/4 Wave Roof Mount Antenna, 450-470 MHz	$20.00
	X	HAE4004	UHF 1/4 Wave Roof Mount Antenna, 470-512 MHz	$20.00
	X	HAE4010	UHF 3.5dB Gain Roof Mount Antenna, 406-420 MHz	$68.00
	X	HAE4011	UHF 3.5dB Gain Roof Mount Antenna, 450-470 MHz	$68.00
	X	HAE4012	UHF 3.5dB Gain Roof Mount Antenna, 470-494 MHz	$68.00
	X	HAE4013	UHF 3.5dB Gain Roof Mount Antenna, 494-512 MHz	$72.00
X		RAE4004AMB	UHF 5dB Gain Magnetic Mount Antenna, 440-470 MHz	$57.00
X	X	RAE4004ARB	UHF 5dB Gain Roof Mount Antenna, 450-470 MHz	$57.00
		Retrofit Kits:		
	X	6686119B01	Dismantling Tool	$3.00
		Service Aids and Programming Equipment:		
X		RVN4191	Portable & Mobile Programming Software (CPS) - 3 Year Subscription Package - Portables require AAPMKN4004 Programming/Test Cable. Mobiles require one of the following Programming Cables & Adapter: AARKN4081 Programming Cable with FKN8096 Program Adapter, 3080070N01 Programming Cable with FKN8096 Program Adapter or AARKN4083 Programming Cable with FKN8113 Program Adapter **Note: Software requires a license agreement and is not intended for resale.**	$199.00
	X	H5177	Portable & Mobile Programming Software Plus (CPS+) - 3 Year Subscription Package - HVN9025 includes CPS/PPCPS (PassPort® Customer Programming Software), CPS tutorial, reflashing tool and freq. finder application for the HT, EX, CDM & MTX•LS Series. HVN9067 for MTX Series Privacy Plus - includes HT & MTX Series Programming & Test Cable (AARKN4074). Also is compatible with RLN4460 used for radio testing. (HVN9025 is compatible with Windows® 95/98/2000 (SP3 or later version) / Millennium (ME) / Windows NT®. HVN9067 is compatible with Windows® 95/98/Windows NT®.) A Mobile Programming Cable (AARKN4081 or AARKN4083) must be purchased separately. **Note: Software requires a license agreement and is not intended for resale.**	$299.00
X	X	AARKN4081	Programming Cable with Internal RIB (direct connection from computer to radio microphone connector) (PM400 requires FKN8096)	$150.00
X	X	AARKN4083	Programming Cable (allows radio programming via rear accessory connector) (PM400 - requires FKN8113)	$74.00
X	X	3080070N01	Programming Cable (connection from RIB to radio) (PM400 - requires FKN8096)	$65.25
	X	3080369B72	9 Pin PC to Radio Interface Box Cable (IBM AT or compatible)	$52.00
	X	RLN4460	Test Box for Portables and Mobiles	$395.00
	X	RLN4008	Radio Interface Box (RIB)	$200.00
	X	0180357A57	Wall Mounted Power Supply, 120V (for use with RLN4008)	$24.25
X		FKN8096	Flash/Data Adapter (for use with AARKN4081 or 3080070N01)	$54.00
X		FKN8113	Adapter Cable (for use with AARKN4083)	$43.00
	X	0180305J69	Mobile Data Product Training CD	N/C

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SUGGESTED RETAIL

PROFESSIONAL TRUNKING
MOBILE
ACCESSORIES

PM400	CDM1550•LS+	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
		Manuals:		
X		6802966C15	CM200/CM300/PM400 Basic Service Manual	$18.00
X		6802966C20	CM200/CM300/PM400 VHF Detailed Service Manual	$25.00
X		6881098C00	CM200/CM300/PM400 UHF Detailed Service Manual	$25.00
	X	6881091C62-D	CDM Series Basic Service Manual (English)	$13.50
	X	6881091C63-B	CDM Series Detailed Service Manual	$28.25

ASTRO® Digital XTL™ 1500 Mobile

Trunked Radio Systems

700 / 800 MHz Band

All XTL 1500 models include:

- Palm Microphone
- Internal Speaker (Standard)
- Ignition Sense Cable
- 10 Foot Negative Ground Power Cable (3 meters) for Dash Mount
- Mounting Hardware
- One Year Warranty

Notes:

1. All XTL 1500 radios are part of the FLASHport® program and ship standard with a FLASH EE Prom, which allows for feature and system upgrades.

2. Project 25 (P25) / Secure is only available through Above the Pricebook (APB)

Ordering Requirements:

1. Order the XTL 1500 Portable as the main line item.

2. A System Software Package (G809 or G967) MUST be ordered for each radio unit ordered.

OPERATING MODES

Capable of operation in four different voice communication modes:

- **ANALOG Conventional and 3600 Baud Trunking ENHANCED (G809)**
- **ANALOG Conventional and 3600 Baud Trunking (G967)**

The mode of operation is programmed on a channel-by-channel basis. The XTL 1500 is capable of transmitting clear analog voice or clear (unencrypted) ASTRO digital voice, depending on the channel programming. XTL 1500 radio functions include ASTRO Digital signaling and digital coding.

CHANNEL SPACING

There are no maximum frequency separation conditions that must be adhered to on the XTL 1500 Mobile Radio Series. Separation of frequencies can be as wide as the allowable sub-band per radio model with no degradation of any performance specifications. If an incorrect antenna is used, degraded performance may be experienced.

ASTRO® Digital XTL™ 1500 Mobile
Trunked Radio Systems
700 / 800 MHz Band

ORDERING REQUIREMENTS

1. The main model number consists of the mobile transceiver or “brick” for the frequency band and power level, control head hardware, control head software, dash mount capability, mounting hardware, power cable, ignition sense cable, and microphone.
2. The XTL 1500 radio also includes an internal speaker.
3. Any additional accessories that are required can be ordered as options.
4. A software enhanced version of each system software package can be ordered as an option if customers require any of the capacity and feature capabilities described below:

Enhancements to an ANALOG system include: 255 channels, 16 trunked systems, 16 trunked personalities, 20 call lists, 25 call list members, and 20 scan lists. Note: This enhancement package does NOT include ADP or Data capability.

Radio Features:

Software features supported by "SmartZone® System Packages"	
	ANALOG Conventional and 3600 BAUD Trunking G809
RADIO WIDE FEATURES	
48 Modes / Channels	Yes
Analog or Digital Operation	No
12.5/20/25 kHz Programmable Channels	Yes
Secure Capable *ADP supported when Software Enhancement Package is ordered (see corresponding matrix below).	No*
One Touch Operation	Yes
Radio Wide Transmit Inhibit	Yes
Time Out Timer	Yes
FLASHport	Yes
ANALOG CONVENTIONAL FEATURES	
CSQ/PL/DPL	Yes
Dual Priority Channel Scan	Yes
Repeater / Talkaround Operation	Yes
Scan (Auto, Pre-programmed)	Yes
Monitor	Yes
DTMF Tone Generation	Yes
MDC PTT ID (Encode / Decode)	Encode
MDC Selective Radio Inhibit (Decode)	Yes
MDC Call Alert (Encode / Decode)	Yes
MDC Radio Check (Decode)	Yes
MDC Voice Selective Call (Encode / Decode)	Yes
MDC Remote Monitor	N/A
MDC Call Lists (Call Alert / Selective Call)	Yes
MDC Emergency Call (Encode / Decode)	Yes
MDC Emergency PTT ID (Encode)	Encode
MDC Emergency Alarm (Encode)	Yes
MDC Select Emergency	Yes
MDC Status / Message (Encode)	Yes

ASTRO® Digital XTL™ 1500 Mobile

Trunked Radio Systems

700 / 800 MHz Band

Software Features:

DIGITAL CONVENTIONAL SIGNALING FEATURES Features when used in the ASTRO Digital CAI Mode	
	ANALOG Conventional and 3600 BAUD Trunking G809
Unaddressed Voice Call	N/A
Talk Group Call	N/A
Group Call Alert™	N/A
Talk Group Identification (TGID)	N/A
Selective Call (Individual Voice Call)	N/A
Selective Call Decode (Individual Voice Call)	N/A
PTT ID (Individual Identification)	N/A
Call Alert Encode / Decode	N/A
Emergency Alarm with Channel Revert & Acknowledge	N/A
Telephone Interconnect Unlimited (Decode)	N/A
Unlimited	N/A
Selective Radio Inhibit	N/A
Radio Check	N/A
Status / Message	N/A
Adaptive Power Control	N/A
Smart PTT	N/A
SmartZone Omnilink	N/A

TRUNKING TYPE II ONLY FEATURES Features when used in the ASTRO Digital CAI Mode	
	ANALOG Conventional and 3600 BAUD Trunking G809
4 Trunked Systems (Maximum)	Yes
Talkgroup Calls	Yes
PTT ID	No
Call Alert Encode / Decode	Yes
Dual Mode Scan	Yes
Failsoft by Talkgroup	Yes
Telephone Interconnect Unlimited (Decode)	Yes
System Wide Call (Receive Only)	Yes
Selective Radio Inhibit	Yes
Priority Monitor Scan	No
Dynamic Regrouping	Yes
Status / Message (No DEK)	Yes
Dispatcher Interrupt	No
Private / Enhanced Conversation Encode / Decode	Yes
Radio Trace	Yes
Reprogram Request	Yes
SmartZone Automatic Site Registration	Yes
SmartZone RSSI Operation	Yes
SmartZone Busy Override	No
SmartZone Preferred Site	Yes
SmartZone Forced Site Search	Yes
SmartZone Site Lock/Unlock	Yes
SmartZone Adjacent Control Channel OSW	Yes
Emergency Alarm Call Receive Indication	Yes

Software Features with Enhanced Package:

"ADDITIONAL" FEATURES / CAPABILITIES SUPPORTED WITH SOFTWARE ENHANCEMENT PACKAGE	
	ANALOG Conventional and 3600 BAUD Trunking Enhanced G967
255 Channels	Yes
16 Trunked Systems	Yes
16 Trunked Personalities	Yes
20 Call Lists	Yes
25 Call List Members	Yes
20 Scan Lists	Yes
ADP - supported for 3600 Digital Trunking systems but in the Digital Conventional Mode ONLY.	No
Data	No

ASTRO® Digital XTL™ 1500 Mobile

Trunked Radio Systems

700 / 800 MHz Band

SUGGESTED RETAIL

MODEL / OPTIONS

BAND SPLIT	BAND	CHANNEL	WATTS	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
764-870 MHz	800 MHz	48	35W	M28URS9PW1_N	$1,600.00

FCC INFORMATION: AZ492FT5823

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
Options:		
Software Package Option:	**EACH MODEL MUST BE ORDERED WITH THE SOFTWARE PACKAGE OPTION**	
G809	ANALOG Conventional and 3600 Baud Trunking	$230.00
G967	ANALOG Conventional and 3600 Baud Trunking Enhanced	$430.00
Alarm Options:		
W116	External Alarm Relays and Cable (for either Horn or Lights - NOT both)	$75.00
Emergency Options:		
W470	External Emergency Footswitch (HLN5113)	$56.00
W688	External Emergency Pushbutton (HLN5131)	$56.00
Control Station Options:		
G91	Control Station Power Supply (HPN4007)	$269.00
G798	Control Station Base Mount	$48.00
Microphone Options:		
W382	Control Station Microphone (HMN1050)	$169.00
W20	Keypad Microphone - GCAI	$180.00
Speaker Options:		
B18	Auxiliary 5W Speaker (HSN4031)	$60.00
Test Result Option:		
G799	Printed Test Results	N/C
Miscellaneous Option:		
W81	Key Lock Mount	$33.00
B90	Omit All Accessories	-$100.00
Antenna Options:		
G174	764-870 MHz, 3dB Gain Low-Profile Antenna (HAF4013)	$43.00
G175	764-870 MHz, 3dB Gain Elevated Feed Antenna (HAF4014)	$75.00
G335	764-870 MHz, 1/4 Wave Antenna (HAF4016)	$14.00
W484	764-870 MHz, 3dB Gain Antenna (HAF4017)	$38.00
G89	764-870 MHz, 3dB Gain Antenna (HAF4017)	N/C

Options continued on next page.

ASTRO® Digital XTL™ 1500 Mobile

Trunked Radio Systems

700 / 800 MHz Band

SUGGESTED RETAIL

OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
Warranty Options:		
G400	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$53.00
G24	Express Service Plus Plan (ESP) 2 Year - Provides for 2 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$102.00

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Date 2/24/06

SUGGESTED RETAIL

ASTRO® Digital XTL™ 1500 Mobile
700 / 800 MHz
ACCESSORIES

XTL 1500™	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
	Microphones:		
X	HMN4079	Keypad Microphone	$320.00
	Cables:		
X	HKN4191	Mobile Power Cable	$18.00
X	HKN6160	Cable Kit 6' Data	$50.00
X	HKN6183	RS-232 Programming Cable	$66.35
	Miscellaneous:		
X	HLN5113	Emergency Footswitch	$61.75
	Speakers		
X	HSN4038	External 7.5 Watt Water Resistant Remote Mount Speaker (XTL 1500 - requires HKN6127 Adapter Cable for Dash Mount Compatibility)	$60.50
	Mounting Accessories:		
X	HLN6372	Key Lock Mounting	$44.00
X	HLN6925	Control Station Mount	$95.00
	Antennas:		
X	HAF4013	800 MHz 3dB Gain Low-Profile Antenna, 762-870 MHz	$43.00
X	HAF4014	800 MHz 3dB Gain Elevated Feed Antenna, 762-870	$75.00
X	HAF4017	800 MHz 3dB Gain Collinear Antenna, 762-870	$38.00
X	HAF4016	800 MHz 1/4 Wave Antenna, 762-870 MHz	$20.00
	Software:		
X	RVN4185	ASTRO 25 Mobile Software CD, Version R01.00.00 - 3 Year Subscription	$265.00
X	RVN4186	ASTRO 25 Portable/Mobile Software 2 CD Set - 3 Year Subscription - (RVN4185 & RVN4181) - requires Mobile Cable HKN6183	$375.00

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Date 1/9/06

SUGGESTED RETAIL

TRUNKED SYSTEM

LTR® & PassPort® Protocol

The following system price pages primarily focuses on two trunking protocols called LTR® and PassPort®. Trunking allows a large number of users to share a small number of communication paths without interfering with each other, thus maximizing the airtime available to any one radio.

Logic Trunked Radio (LTR®)

A low-speed transmission trunking-based protocol developed by EF Johnson.
LTR primarily serves single site trunked applications and is supported by many radio manufacturers.

PassPort®

An enhanced low-speed trunking protocol developed by Trident Micro Systems. It supports private, SMR wide area dispatch and interconnect networking. It is compatible with existing LTR radio system. PassPort also extends benefits of LTR with more features, coverage and services.

Vendor Key:

Aer	Aeroflex	Ele	Electrodata
Agi	Agilent	Max	Maxrad
Amp	Amprobe	Rad	RAD Datta
And	Andrew	RFS	Radio Frequency System
Ant	Antenex	Sin	Sinclair
dbS	dbSpectra	TMS	Trident Micro Systems

Assembled Trunking Systems:

The Motorola Assembled Trunking System (ATS) offers businesses a unique opportunity to capitalize on the advantages of trunking. By providing a "one-stop-shop" solution, the Assembled Trunking System helps save companies the time and expense of having to research multiple vendors and products to build a personalized system. In addition, Motorola delivers all the expertise and equipment required to create a fully functioning, integrated two-way radio trunked network - quickly and easily.

Below are listed different packages according to the type of equipment and frequency needed.
For pricing and ordering information, call Motorola Presales Customer Support at 800-422-4210, ext. 6883 or download a quote form on Motorola Online > Resource Center > Product Information > Trunking System Solution.

Assembled Trunking Systems (ATS) - Subscriber Bundle Program:

- **Save up to 3% over your existing quantity discount on a quantity of 30 subscribers or more purchased with an ATS system**
- **Rules and regulations apply. See details on MOL Motorola Online > Resource Center > Product Information > Systems > Trunking Solutions**
- **Note: The Assembled Trunking System Package Order Form has to be used to place your order. This form can be downloaded under Motorola Online > Resource Center > Product Information > Systems > Trunking Solutions**

Assembled Trunking Systems (ATS) - LTR Protocol Infrastructure Packages:

Notes:

- **Pricing is based on volume discount.**
- **Price quotations will be provided after receipt of required customer information.**
- **Price quotations are valid for 30 days.**

VHF R1225 25-45W LTR Assembled Trunked Repeater System:

Includes R1225 VHF repeater 146-174MHz 25-50W (25 Watt Continuous Duty). RKR rack mount housing, external antenna coax cable kit, HPN9033A Power Supply. Raider LTR dispatch controller, Raider with T-Base Software Raider/Marauder to R1225 interface cable Raider/Marauder Lan-buss cable, Receive System and Tx Combiner System. VHF combining design is based upon submitted frequencies. All coax and interface cabling is included and terminated to the appropriate devices. Systems are shipped complete in open 4 foot or 6 foot custom modular four post frame rack(s). Doors and side panels are available upon request.

VHF R1225 100W LTR Assembled Trunked Repeater System:

Includes R1225 repeater VHF 146-174 MHz 1-10W, TPL external 100W amplifier with power supply, RKR1225 rack mount housing, external antenna coax cable kit, external amplifier DC power cable. Raider LTR dispatch controller, Raider with T-Base Software Raider/Marauder to R1225 interface cable, Raider/Marauder Lan-buss cable, Receive System and Tx Combiner System. VHF combining design is based upon submitted frequencies. All coax and interface cabling is included and terminated to the appropriate devices. Systems are shipped complete in open 4 foot or 6 foot custom modular four post frame rack(s). Doors and side panels are available upon request.

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Date 1/9/06

SUGGESTED RETAIL

TRUNKED SYSTEM

LTR® & PassPort® Protocol

Assembled Trunking Systems (ATS) - LTR Protocol Infrastructure Packages:

Notes:

- **Pricing is based on volume discount.**
- **Price quotations will be provided after receipt of required customer information.**
- **Price quotations are valid for 30 days.**

UHF R1225 25-45W LTR Assembled Trunked Repeater System:

Includes R1225 UHF repeater 444-474 MHz 25-45W, RKR1225 rack mount housing, RKR Power Supply Raider LTR dispatch controller, Raider with T-Base Software Raider/Marauder to MTR2000 interface cable, Raider/Marauder Lan-buss cable, 8 port RX Multi Coupler 148-512 MHz, Tx Combiner and 456-460/466-470 MHz Dual Rx Window Filter. All coax and interface cabling is included and terminated to the appropriate devices. Systems are shipped complete in open 4 foot or 6 foot custom modular four post frame rack(s). Doors and side panels are available upon request.

UHF R1225 50W LTR Assembled Trunked Repeater System:

Includes R1225 UHF repeater 444-474 MHz 1-10W, TPL external 50W amplifier with Power Supply, RKR1225 rack mount housing, external antenna coax cable kit, external amplifier DC power cable. Raider LTR dispatch controller, Raider with T-Base Software Raider/Marauder to MTR2000 interface cable, Raider/Marauder Lan-buss cable, 8 port RX Multi Coupler 148-512 MHz, Tx Combiner and 456-460/466-470 MHz Dual Rx Window Filter. All coax and interface cabling is included and terminated to the appropriate devices. Systems are shipped complete in open 4 foot or 6 foot custom modular four post frame rack(s). Doors and side panels are available upon request.

UHF R1225 100W LTR Assembled Trunked Repeater System:

Includes R1225 repeater UHF 444-474 MHz 1-10W, TPL external 100W amplifier with power supply, RKR1225 rack mount housing, external antenna coax cable kit, external amplifier DC power cable. Raider LTR dispatch controller, Raider with T-Base Software Raider/Marauder to MTR2000 interface cable, Raider/Marauder Lan-buss cable, 8 port RX Multi Coupler 148-512 MHz, Tx Combiner and 456-460/466-470 MHz Dual Rx Window Filter. All coax and interface cabling is included and terminated to the appropriate devices. Systems are shipped complete in open 4 foot or 6 foot custom modular four post frame rack(s). Doors and side panels are available upon request.

VHF MTR2000 2-40W LTR Assembled Trunked Repeater System:

Includes MTR2000 VHF Analog conventional repeater 132-174MHz 40-2 Watt, conventional operation, repeater operation, Raider LTR dispatch controller, Raider with T-Base software, Raider/Marauder to MTR2000 interface cable, Raider/Marauder Lan-buss cable, Receive System and Tx Combiner System. VHF combining design is based upon submitted frequencies. All coax and interface cabling is included and terminated to the appropriate devices. Systems are shipped complete in open 4 foot or 6 foot custom modular four post frame rack(s). Doors and side panels are available upon request.

VHF MTR2000 100W LTR Assembled Trunked Repeater System:

Includes MTR2000 VHF Analog conventional repeater 132-154/154-174MHz 100-25 W (with single internal circulator), Raider LTR dispatch controller, Raider with T-Base software, Raider/Marauder to MTR2000 interface cable, Raider/Marauder Lan-buss cable, Receive System and Tx Combiner System. VHF combining design is based upon submitted frequencies. All coax and interface cabling is included and terminated to the appropriate devices. Systems are shipped complete in open 4 foot or 6 foot custom modular four post frame rack(s). Doors and side panels are available upon request.

UHF MTR2000 2-40W LTR Assembled Trunked Repeater System:

Includes MTR2000 UHF Analog conventional repeater 435-470 MHz 2-40W (with single internal circulator), conventional operation, repeater operation, Raider LTR dispatch controller, Raider with T-Base software, Raider/Marauder to MTR2000 interface cable, Raider/Marauder Lan-buss cable, 8 port RX Multi Coupler 148-512 MHz, Tx Combiner and 456-460/466-470 MHz Dual Rx Window Filter. All coax and interface cabling is included and terminated to the appropriate devices. Systems are shipped complete in open 4 foot or 6 foot custom modular four post frame rack(s). Doors and side panels are available upon request.

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Date 1/9/06

SUGGESTED RETAIL

TRUNKED SYSTEM

LTR® & PassPort® Protocol

Assembled Trunking Systems (ATS) - LTR Protocol Infrastructure Packages:
Notes:
- **Pricing is based on volume discount.**
- **Price quotations will be provided after receipt of required customer information.**
- **Price quotations are valid for 30 days.**

UHF MTR2000 100W LTR Assembled Trunked Repeater System:
Includes MTR2000 UHF Analog conventional repeater 435-470 MHz 100-25W (with single internal circulator), conventional operation, repeater operation, Raider LTR dispatch controller, Raider with T-Base software, Raider/Marauder to MTR2000 interface cable, Raider/Marauder Lan-buss cable, 8 port RX Multi Coupler 148-512 MHz, Tx Combiner and 456-460/466-470 MHz Dual Rx Window Filter. All coax and interface cabling is included and terminated to the appropriate devices. Systems are shipped complete in open 4 foot or 6 foot custom modular four post frame rack(s). Doors and side panels are available upon request.

200/700 MHz MX800 LTR Assembled Trunked Repeater System:
Includes MX800 Repeater, 200 or 700 MHz Repeater, Single or Double Power Supply, MX800 Software dispatch Raider/Marauder to MX800 interface cable, Raider/Marauder Lan-buss cable. 700 MHz systems includes a 8 port RX Multi Coupler and Tower Top Amplifier with 1 MHz Bandpass Filter, dual 100 kHz Tx Combiner, dual 100 kHz TX Combiner. 200 MHz system includes RX Combiner system, 50 kHz Tx Combiner. All coax and interface cabling is included and terminated to the appropriate devices. Systems are shipped complete in open 4 foot or 6 foot custom modular four post frame rack(s). Doors and side panels are available upon request.

Assembled Trunking Systems - PassPort Infrastructure Packages:
Notes:
- **PassPort ATS is available for both single and multi sites. For single site application, the Raider Xtreme can be used in lieu of the NTS Chassis and appropriate cards.**
- **Pricing is based on volume discount.**
- **Price quotations will be provided after receipt of required customer information.**
- **Price quotations are valid for 30 days.**

VHF R1225 25-45W PassPort Assembled Trunked Repeater System:
Includes R1225 VHF repeater 146-174 MHz 25-50W (25 Watt Continuous Duty). RKR rack mount housing, external antenna coax cable kit, HPN9033 Power Supply. NTS Chassis with appropriate NTS Cards, Receive System and Tx Combiner System. VHF combining design is based upon submitted frequencies. All coax and interface cabling is included and terminated to the appropriate devices. Systems are shipped complete in open 4 foot or 6 foot custom modular four post frame rack(s). Doors and side panels are available upon request.

VHF R1225 100W PassPort Assembled Trunked Repeater System:
Includes R1225 repeater VHF 146-174 MHz 1-10W, TPL external 100W amplifier with power supply, RKR1225 rack mount housing, external antenna coax cable kit, external amplifier DC power cable. NTS Chassis with appropriate NTS Cards, Receive System and Tx Combiner System. VHF combining design is based upon submitted frequencies. All coax and interface cabling is included and terminated to the appropriate devices. Systems are shipped complete in open 4 foot or 6 foot custom modular four post frame rack(s). Doors and side panels are available upon request.

UHF R1225 25-45W PassPort Assembled Trunked Repeater System:
Includes R1225 UHF Repeater 444-474 MHz 25-45W, RKR1225 Rack Mount Housing, RKR Power Supply NTS Chassis with appropriate NTS Cards, 8 port RX Multi Coupler 148-512 MHz, Tx Combiner and 456-460/466-470 MHz Dual Rx Window Filter. All coax and interface cabling is included and terminated to the appropriate devices. Systems are shipped complete in open 4 foot or 6 foot custom modular four post frame rack(s). Doors and side panels are available upon request.

UHF R1225 100W PassPort Assembled Trunked Repeater System:
Includes R1225 UHF Repeater 444-474 MHz 1-10W, TPL external 100W amplifier with power supply, RKR1225 rack mount housing, external antenna coax cable kit, external amplifier DC power cable. NTS Chassis with appropriate NTS Cards, 8 port RX Multi Coupler 148-512 MHz, Tx Combiner and 456-460/466-470 MHz Dual Rx Window Filter. All coax and interface cabling is included and terminated to the appropriate devices. Systems are shipped complete in open 4 foot or 6 foot custom modular four post frame rack(s). Doors and side panels are available upon request.

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Date 1/9/06

SUGGESTED RETAIL

TRUNKED SYSTEM

LTR® & PassPort® Protocol

Assembled Trunking Systems - PassPort Infrastructure Packages continued:
Notes:
- **PassPort ATS is available for both single and multi sites. For single site application, the Raider Xtreme can be used in lieu of the NTS Chassis and appropriate cards.**
- **Pricing is based on volume discount.**
- **Price quotations will be provided after receipt of required customer information.**
- **Price quotations are valid for 30 days.**

VHF MTR2000 2-40W PassPort Assembled Trunked Repeater System:
Includes MTR2000 VHF Analog conventional repeater 132-174 MHz 40-2 Watt, NTS Chassis with appropriate NTS Cards, Receive System and Tx Combiner System. VHF combining design is based upon submitted frequencies. All coax and interface cabling is included and terminated to the appropriate devices. Systems are shipped complete in open 4 foot or 6 foot custom modular 4 post frame rack(s). Doors and side panels are available upon request.

VHF MTR2000 100W PassPort Assembled Trunked Repeater System:
Includes MTR2000 VHF Analog conventional repeater 132-154/154-174MHz 100-25 W (with single internal circulator), NTS Chassis with appropriate NTS Cards, Receive System and Tx Combiner System. VHF combining design is based upon submitted frequencies. All coax and interface cabling is included and terminated to the appropriate devices. Systems are shipped complete in open 4 foot or 6 foot custom modular four post frame rack(s). Doors and side panels are available upon request.

UHF MTR2000 2-40W PassPort Assembled Trunked Repeater System:
Includes MTR2000 UHF Analog conventional repeater 435-470 MHz 2-40W (with single internal circulator), conventional operation, repeater operation. NTS Chassis with appropriate NTS Cards, 8 port RX Multi Coupler 148-512 MHz, Tx Combiner and 456-460/466-470 MHz Dual Rx Window Filter. All coax and interface cabling is included and terminated to the appropriate devices. Systems are shipped complete in open 4 foot or 6 foot custom modular four post frame rack(s). Doors and side panels are available upon request.

UHF MTR2000 100W PassPort Assembled Trunked Repeater System:
Includes MTR2000 UHF Analog conventional repeater 435-470 MHz 100-25W (with single internal circulator), conventional operation, repeater operation, NTS Chassis with appropriate NTS Cards, 8 port RX Multi Coupler 148-512 MHz, Tx Combiner and 456-460/466-470 MHz Dual Rx Window Filter. All coax and interface cabling is included and terminated to the appropriate devices. Systems are shipped complete in open 4 foot or 6 foot custom modular four post frame rack(s). Doors and side panels are available upon request.

200/700 MHz MX800 PassPort Assembled Trunked Repeater System:
Includes MX800 200 or 700 MHz Repeater, Single or Double Power Supply, MX800 programming software, NTS Chassis with appropriate Cards. 700 MHz systems includes a 8 port Rx Multi Coupler and Tower Top Amplifier with 1 MHz Bandpass Filter, dual 100 kHz TX Combiner. 200 MHz system includes Rx Combiner system, 50 kHz Tx Combiner. All coax and interface cabling is included and terminated to the appropriate devices. Systems are shipped complete in open 4 foot or 6 foot custom modular four post frame rack(s). Doors and side panels are available upon request.

Assembled Trunking Systems - Sold Services:
Notes:
- **For pricing information, contact Motorola Presales Customer Support at 800-422-4210, ext. 6883**
- **Price quotations will be provided after receipt of required customer information**

Individual Area Coverage Map
A computer generated full color radio coverage map in both paper and PDF format. This coverage map shows the predicted RF levels based upon mathematical models, computer terrain data, land usage data and site data from the client or field visit.

Composite Area Coverage Map
A computer generated full color radio coverage map in both paper and PDF format showing the composite coverage form multiple individual sites.

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TRUNKED SYSTEM

Date 1/9/06

SUGGESTED RETAIL

LTR® & PassPort® Protocol

MODEL NUMBER	DESCRIPTION	VENDOR PART #	MSRP

Assembled Trunking Systems - Sold Services continued:
Notes:
- For pricing information, contact Motorola Presales Customer Support at 800-422-4210, ext. 6883
- Price quotations will be provided after receipt of required customer information

Intermodulation Study

Calculation of intermodulation products up to the 11th order, 5 transmitter at a time. The result includes a summary of the hits at each order and a detailed list of frequencies where the hits occurred.

Pre-Sale RF Analysis (220 / 700 MHz Required)

Where Pre-Sales design is not performed by Motorola, the purchaser is required to have an RF analysis performed. This service includes the following: Frequency Plan, Coverage Maps, Intermodulation

Complete Pre-Sale Design

A complete system design based upon desired coverage area. The final deliverable form an engineering report that includes the following: Recommended Sites, Frequency Plan, Coverage Maps, Contour Maps, System Block Diagrams, Intermodulation Analysis.

Site Survey

A form is completed detailing all aspects of the site including power, grounding , tower type, access, etc. This site survey form then used in a system design phase to ensure the proper equipment is ordered. Acceptability of the site is also based on an RF survey.

Factory Staging and Optimization

This service includes the factory staging, programming and testing of the radio equipment, programming all NTS controllers and performing a factory acceptance test. Once the factory acceptance has been completed, the system is shipped to the site.

Post-Sale Field Optimization

The Field Optimization of the Motorola PassPort system is performed according to Motorola's Field Optimization Practices documentation. It includes: Inspection of all PassPort Equipment, Testing all Telco lines, Verification of system configuration, System Performance Testing, Baseline testing of installed system, Field Functional Acceptance testing, Field RSSI optimization testing

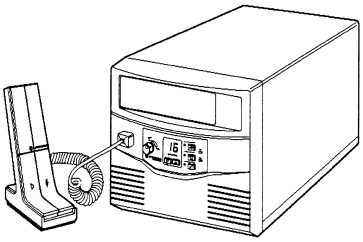
RADIUS GR1225™ REPEATER

SUGGESTED RETAIL

VHF & UHF

GR1225 Desktop Repeater Features:

- **12.5/25 kHz Switchable Channel Spacing**
- **X-Pand Technology**
- **Built-in Basic Repeater Capabilities**
- **16 Channels**
- **Output Power 1/10W or 25/50W VHF, 1/10W or 25/45W UHF**
- **Courtesy "Over" Beep**
- **Programmable Relay Delay**
- **Programmable Time-Out-Timer**
- **CWID**
- **PL / DPL / CSQ Codes**
- **Front Panel Repeater Enable/Disable Control**
- **Continuous Duty Cycle at 25 Watts; 50% at 45/50 Watts**



GR1225 Repeater with Optional Desk

The following frequencies are self quieters and cannot be ordered:
151.200, 168.000, 453.600, 455.500, 459.300, 470.400

The following frequencies are potential self quieters:
160.180,163.380

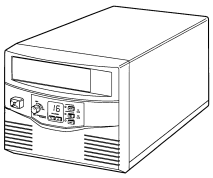
Repeater Package Items

The GR1225 can be ordered fully assembled from the factory or as separate components that require dealer assembly. The factory assembled model contains all the items listed under the GR1225 housing kit and the R1225 transceiver model. In this model, the repeater transceiver is installed into the repeater housing and the dealer is required to program the unit and to install an optional duplexer if required. Factory assembled models are UL/ULC listed and meet all the requirements of UL813. Components purchased separately do not meet requirements of UL813. If your application requires your equipment to be UL listed, then you must order the factory assembled model.

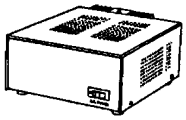
Separate components consist of the repeater housing, repeater transceiver, antenna and optional duplexer. When ordered separately, the dealer must assemble and program the repeater.

The following items are required for Basic Repeater Operation for both factory assembled or dealer assembled models:

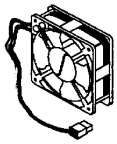
These items are part of the GR1225 Housing Kit:



GR1225 Repeater



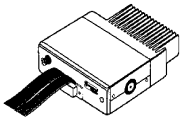
Power Supply



Fan

(2) Service Manuals

The following items are part of the R1225 Transceiver Models:

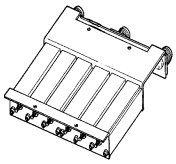


R1225 Repeater Transceiver

Operating Manual

The following items are optional:

Internal or External Duplexer/Antenna Cable



Duplexer

Antenna

RADIUS GR1225™ REPEATER COMPATIBILITY CHART

SUGGESTED RETAIL

Type	GR1225 Destop/Portable	RKR1225 Rackmount
Housing	Standard	Standard
Power Supply	Standard	Order Separately
Fan	Standard	Standard
Cables	Standard	Order Separately
Shorting Plugs	Not Required	Not Required
Battery Revert	Order Separately	Order Separately
Duty Cycle at 25W	Continuous	Continuous
Duty Cycle at 40/45W	-	-
Duty Cycle at 45/50W	50%	50%
Service Manual	Standard*	Standard**
Programming Guide	In RSS Help Screens	In RSS Help Screens

* The GR1225 models include the R1225 (6880905Z53) and the (6880904Z90) Service Manuals which contain assembly instructions and schematics.

** The R1225 (6880905Z53) service manuals are included in the HLN3100 retrofit kit which must be ordered separately and is required for operation with the GR400/GR500 X-Pand Housings.

RADIUS GR1225™ REPEATER FACTORY ASSEMBLED MODELS

SUGGESTED RETAIL

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE

Factory assembled models are UL/ULC listed and meet all the requirements of UL813. Components purchased separately do not meet UL813 requirements. If your application requires your equipment to be UL listed, then you must order the factory assembled models.

Step One: (Required)

Select One (1) of the following Factory Assembled Repeater Models

These models include an external duplexer/antenna cable. Required when using separate transmit and receive antennas or duplexers that do not fit into the GR1225 housing.

H5165	VHF 1-10 Watt, GR1225 Repeater 146-174 MHz	$1,473.00
H5158	VHF 25-50 Watt, GR1225 Repeater 146-174 MHz	$1,655.00
H5164	UHF 1-10 Watt, GR1225 Repeater 444-474 MHz	$1,545.00
H5157	UHF 25-45 Watt, GR1225 Repeater 444-474 MHz	$1,727.00

Step Two: (Optional/Required - See Below)

Select cable option: (if required)

G320	Internal Duplexer & Antenna Cable Kit Required when using duplexers.	N/C
STDCBL0780	External Duplexer & Antenna Cable Kit (required when using separate transmit & receive antennas or duplexers that do not fit into the GR1225 housing).	N/C

Step Three: (Optional)
All duplexers have female type "N" connectors.

Select One (1) Tuned Duplexer (5 Days ARO) - Specify frequency for tuning.

HFD8465	VHF Duplexer, 150-160 MHz (requires Internal Duplexer & Antenna Cable Kit - minimum & maximum freq. separation is 4.5 MHz/6 MHz) **Note: To order this Duplexer TUNED, call Dealer Support Services to place your order at 800-927-2744, Prompt 1, 1.**	$393.00
TDE7780	UHF Duplexer, 450-470 MHz (requires Internal Duplexer & Antenna Cable Kit - minimum & maximum frequency separation is 5 MHz)	$385.00

OR

Select One (1) Untuned Duplexer - Requires tuning in the field.

VHF - Duplexers

HFD8188	VHF Duplexer, 144-155 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$433.00
HFD8189	VHF Duplexer, 155-162 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$486.00

UHF - Duplexers

HFE8400	UHF Duplexer, 406-450 MHz (minimum & maximum freq. separation 5 MHz)	$390.00
RFE4000	UHF Duplexer, 450-470 MHz (requires Internal Duplexer & Antenna Cable Kit)	$365.00

Step Four: (Optional & Dealer Installed)

The R1225 repeater transceiver includes Basic Repeater Functionality. If enhanced features such as multiple PL codes, interconnect, signalling and trunking are required, please select the appropriate controller and cables from the accessory pages.

Step Five: (Optional & Dealer Installed)

If the repeater is to be used in a high RF environment, an externally mounted preselector may be desired. See the accessory pages for preselector kits.

See accessory page for additional accessories.

SUGGESTED RETAIL

RADIUS GR1225™ REPEATER DEALER ASSEMBLED MODELS (SEPARATE COMPONENTS)

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE

Components purchased separately do not meet UL813 requirements. If your application requires your equipment to be UL listed, then you must order the Factory Assembled models.

Step One: (Required)

Select One (1) Repeater Transceiver Model

M03GRC90C2_A	VHF 1-10 Watt, R1225 Repeater Transceiver 146-174 MHz	$836.00
M43GRC90C2_A	VHF 25-50 Watt, R1225 Repeater Transceiver 146-174 MHz	$1,018.00
M04GRC90C2_A	UHF 1-10 Watt, R1225 Repeater Transceiver 444-474 MHz	$909.00
M44GRC90C2_A	UHF 25-45 Watt, R1225 Repeater Transceiver 444-474 MHz	$1,091.00

Step Two: (Required)

Select One (1) Repeater Housing.

HLN3037	GR1225 Repeater Housing (includes GR1225 & R1225 Service Manuals)	$613.00

Step Three: (Optional)
All duplexers have female type "N" connectors.

Select One (1) Tuned Duplexer (5 Days ARO) - Specify frequency for tuning.

HFD8465	VHF Duplexer, 150-160 MHz (requires Internal Duplexer & Antenna Cable Kit - minimum & maximum freq. separation is 4.5 MHz/6 MHz) **Note: To order this Duplexer TUNED, call Dealer Support Services to place your order at 800-927-2744, Prompt 1, 1.**	$393.00
TDE7780	UHF Duplexer, 450-470 MHz (requires Internal Duplexer & Antenna Cable Kit - minimum & maximum frequency separation is 5 MHz)	$385.00

OR

Select One (1) Untuned Duplexer - Requires tuning in the field.

VHF - Duplexers

HFD8188	VHF Duplexer, 144-155 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$433.00
HFD8189	VHF Duplexer, 155-162 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$486.00

UHF - Duplexers

HFE8400	UHF Duplexer, 406-450 MHz (minimum & maximum freq. separation 5 MHz)	$390.00
RFE4000	UHF Duplexer, 450-470 MHz (requires Internal Duplexer & Antenna Cable Kit)	$365.00

Step Four: (Required - please choose 1)

Select One (1) Duplexer / Antenna Cable Kit

HKN9026	GR1225 External Duplexer & Antenna Cable - Required when using separate transmit and receive antennas or duplexers that do not fit into GR1225 housings.	$81.75
HKN9235	GR1225 Internal Duplexer & Antenna Cable Kit (required when using an internal duplexer)	$42.00

Step Five: (Optional)

Select an Antenna - See accessory pages or RPSD for additional antennas.

Step Six: (Optional)

The R1225 Repeater Transceiver includes Basic Repeater functionality. If enhanced features such as multiple PL codes, interconnect, signalling and trunking are required, please select the appropriate controller and cable from the accessory pages.

Step Seven: (Optional)

If the repeater will be used in a high RF environment, an externally mounted preselector may be desired. See accessory pages for preselector kits.

See accessory page for additional accessories.

RADIUS GR1225™ REPEATER

SUGGESTED RETAIL

ACCESSORIES

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
Repeater Controllers: Except where noted, all the controllers require the HKN9234 controller cable kit. **Service information is in the Service Manuals that ship with the controllers and RSS programming information is in the RSS manuals that ship as a part of the Radius RSS Subscription program.**		
HLN9119	**ZR340 Advanced Interconnect Controller** Provides advanced interconnect capabilities including password driven access and disconnect codes, customized toll restrict and toll restrict bypass. Does not use RSS. Programming done via DTMF parameters.	$765.00
HKN9234	Controller Cable Kit (required for HLN9119)	$73.00
Preselectors: - To order these Preselectors TUNED, call Dealer Support Services to place your order at 800-927-2744, Prompt 1, 1. To order these Preselectors UN-TUNED, order directly through RPSD. **These preselectors must be mounted externally when using a GR1225 Repeater. All preselectors have female type "N" connectors. A dealer supplied type "N" male to male connector is required for proper operation. The length of the cable depends on your application. Call RPSD at 847-538-0021 to find a cable for your individual application.**		
HFD8461	VHF Preselector, 144-160 MHz	$336.00
HFD8462	VHF Preselector, 160-174 MHz	$336.00
HFE8459	UHF Preselector, 440-474 MHz	$336.00
General Accessories:		
HLN9455	CDR700, GR1225, RKR1225 & GR400 X-Pand Battery Revert & Float Maintenance Charger	$129.00
HPN9033	CDR700, GR1225 & RKR1225 Power Supply	$201.60
HMN3000	Desk Microphone, Black	$120.00
HLN9457	Hardware Kit for use with the Expanded Accessory Connector (includes 16 connector pins, five (5) 8" wires with pins attached and an extra housing)	$6.95
Antennas:		
RDD4527	VHF 3dB Gain Antenna, 150-158 MHz	$327.00
RDE4556	UHF 3.8dB Gain Antenna, 450-470 MHz	$270.00
Lightning Protection Recommendation Accessories:		
Phone/Remote Line Suppressors:		
RRX4021	Single Line Suppressor	$50.00
Coaxial Cable In-Line Arrestors:		
RRX4025	Type "N" Connector	$65.00
RRX4032	Tower Mounting Hardware	$15.00
Desktop Controllers and Remote Adapters:		

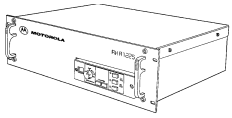
See Desktop Controllers and Remote Adapters for pricing and ordering information within this section.

RADIUS GR500 X-PAND™ and RKR1225™ REPEATER HOUSINGS

SUGGESTED RETAIL

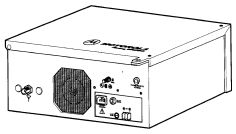
MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE

RKR1225 RACK MOUNT REPEATER HOUSING



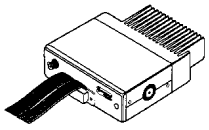
HLN3254

GR500 X-PAND WALL MOUNT REPEATER



HLN3103

R1225 REPEATER TRANSCEIVER



M43GRC90C2_A / M44GRC90C2_A

The R1225 Repeater Transceiver is compatible with RKR1225 and GR500 repeater housings. The following ordering steps should be followed to ensure that everything is ordered for complete operation.

Step One: (Required)

Select One (1) X-Pand Repeater Housing. These housings are not compatible with GM300 Mobiles.

HLN3254	RKR1225 Rack Mount Repeater Housing Includes Control Head, Fan Kit & Cables (does not include HPN9033 power supply)	$595.00
HLN3103	GR500 X-Pand Wall Mount Repeater Housing	$562.00

Step Two: (Required)

Select One (1) R1225 Repeater Transceiver.

M03GRC90C2_A	VHF 1-10 Watt, R1225 Repeater Transceiver 146-174 MHz	$836.00
M43GRC90C2_A	VHF 25-50 Watt, R1225 Repeater Transceiver 146-174 MHz	$1,018.00
M04GRC90C2_A	UHF 1-10 Watt, R1225 Repeater Transceiver 444-474 MHz	$909.00
M44GRC90C2_A	UHF 25-45 Watt, R1225 Repeater Transceiver 444-474 MHz	$1,091.00

Step Three: (Required for GR500 Only)

Select Conversion Kit for GR500

HLN3100	Conversion Kit - this kit enables use of the R1225 transceiver with any of the HLN9117, HLN3102, HLN3103 GR400 & GR500 housings & 6880905Z53 & 6880905Z54 Service Manuals included	$113.00

Step Four: (Optional)
All duplexers have female type "N" connectors.

Select One (1) Tuned Duplexer (5 Days ARO) - Specify frequency for tuning.

HFD8465	VHF Duplexer, 150-160 MHz (requires Internal Duplexer & Antenna Cable Kit - minimum & maximum freq. separation is 4.5 MHz/6 MHz) **Note: To order this Duplexer TUNED, call Dealer Support Services to place your order at 800-927-2744, Prompt 1, 1.**	$393.00
TDE7780	UHF Duplexer, 450-470 MHz (requires Internal Duplexer & Antenna Cable Kit - minimum & maximum frequency separation is 5 MHz)	$385.00

OR

Select One (1) Untuned Duplexer - Requires tuning in the field.

VHF - Duplexers

HFD8188	VHF Duplexer, 144-155 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$433.00
HFD8189	VHF Duplexer, 155-162 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$486.00

UHF - Duplexers

HFE8400	UHF Duplexer, 406-450 MHz (minimum & maximum freq. separation 5 MHz)	$390.00
RFE4000	UHF Duplexer, 450-470 MHz (requires Internal Duplexer & Antenna Cable Kit)	$365.00

Duplexer Cables

HKN9025	GR400 & GR500 Internal Duplexer & Antenna Cable - Required for use with duplexers.	$46.50
HKN9016	GR400 & GR500 External Duplexer & Antenna Cable - Required when using separate transmit and receive antennas or duplexers that do not fit into GR400 & GR500 housings.	$48.00
HKN9035	Internal Duplexer cables for RKR1225	$55.00
HKN9034	External Duplexer cables for RKR1225	$55.25

See the next page for additional steps.

RADIUS GR500 X-PAND™ and RKR1225™ REPEATER HOUSINGS

SUGGESTED RETAIL

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE

The R1225 Repeater Transceiver is compatible with RKR1225 and GR500 repeater housings. The following ordering steps should be followed to ensure that everything is ordered for complete operation.

Step Five: (Optional)

Select an Antenna

Step Six: (Optional)

The R1225 repeater transceiver includes Basic Repeater Functionality. If enhanced features such as multiple PL codes, interconnect, signalling and trunking are required, please select the appropriate controller and cables.

Step Seven: (Optional)

If the repeater will be used in a high RF environment, a preselector may be required. See preselector kits.

Repeater Controller Accessories: Except where noted, all the controllers require the HKN9234 controller cable kit.
Service information is in the Service Manuals that ship with the controllers and RSS programming information is in the RSS manuals that ship as a part of the Radius RSS Subscription program.

HLN9119	**ZR340 Advanced Interconnect Controller** Provides advanced interconnect capabilities including password driven access and disconnect codes, customized toll restrict and toll restrict bypass. Does not use RSS. Programming done via DTMF parameters.	$765.00

Controller Cables:

HKN9040	RKR1225 Internal Controller Cable	$125.00
HKN9234	Controller Cable Kit (required for HLN9119)	$73.00

Preselectors: - To order these Preselectors TUNED, call Dealer Support Services to place your order at 800-927-2744, Prompt 1, 1. To order these Preselectors UN-TUNED, order directly through RPSD.
These preselectors must be mounted externally when using a GR1225 Repeater. All preselectors have female type N connectors. A dealer supplied type "N" male to male connector is required for proper operation. The length of the cable depends on your application. Call RPSD at 847-538-0021 to find a cable for your individual application.

HFD8461	VHF Preselector, 144-160 MHz	$336.00
HFD8462	VHF Preselector, 160-174 MHz	$336.00
HFE8459	UHF Preselector, 440-474 MHz	$336.00

Antennas:

RDD4527	VHF 3dB Gain Antenna, 150-158 MHz	$327.00
RDE4556	UHF 3.8dB Gain Antenna, 450-470 MHz	$270.00

General Accessories:

HLN9455	CDR700, GR1225, RKR1225 & GR400 X-Pand Battery Revert & Float Maintenance Charger	$129.00
HLN9169	CDR500 & GR500 Wall & 19" Panel Mount	$50.00
HPN9005	CDR500 & GR500 Power Supply	$492.00
HLN9242	16-Pin Accessory Kit with Expanded Connector (kit allows existing 16 pin connector accessories to be modified for enhanced connector reliability)	$5.65
HMN1037	Non-Backlit Touch-Code Microphone with Hang-Up Clip	$155.00
HMN3000	Desk Microphone, Black	$120.00
HLN9457	Hardware Kit for use with the Expanded Accessory Connector (includes 16 connector pins, five (5) 8" wires with pins attached and an extra housing)	$6.95

Desktop Controllers and Remote Adapters:

For pricing and ordering information refer to pages within this section.

Lightning Protection Recommendations Accessories:

Phone/Remote Line Suppressors:

RRX4021	Single Line Suppressor	$50.00

Coaxial Cable In-Line Arrestors:

RRX4025	Type "N" Connector	$65.00
RRX4032	Tower Mounting Hardware	$15.00

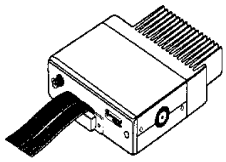
Date 1/9/06

SUGGESTED RETAIL

RADIUS 100 WATT REPEATER
Dealer Assembled Model

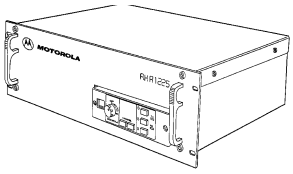
MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE

R1225 REPEATER TRANSCEIVER



M04GRC90C2_A

RKR1225 RACK MOUNT REPEATER HOUSING



HLN3254

Step One: (Required)

Order Repeater Transceiver Model.

M03GRC90C2_A	VHF 1-10 Watt, R1225 Repeater Transceiver 146-174 MHz	$836.00
M04GRC90C2_A	UHF 1-10 Watt, R1225 Repeater Transceiver 444-474 MHz	$909.00

Step Two: (Required)

Order Repeater Housing.

HLN3254	RKR1225 Rack Mount Repeater Housing Includes Control Head, Fan Kit & Cables (does not include HPN9033 power supply).	$595.00

Step Three: (Required)

Order Duplexer/Antenna Cable Kit.

	VHF Duplexers:	
RDD4901	Compact Band Pass / Band Reject Base Station Duplexer that is rack mountable. 138-174 MHz, 350W, Insertion Loss Tx/Rx (dB): 1.5dB / 1.5dB, Min Separation Tx-Rx (MHz): 0.5 MHz (500kHz), Isolation Tx/Rx side (dB): 85dB @ 500kHz.	$1,742.00
RDD4908	Compact Band Pass / Band Reject Base Station Duplexer that is rack mountable. 138-174 MHz, 350W, Insertion Loss Tx/Rx (dB): 1.5dB / 1.5dB, Min Separation Tx-Rx (MHz): 0.5 MHz (500kHz), Isolation Tx/Rx side (dB): 70dB @ 500kHz.	$1,276.00
RDD4717	Compact Band Pass / Reject Base Station Duplexer that is rack mountable. 144-174 MHz, 120W, Insertion Loss Tx/Rx (dB): 0.8dB / 0.8dB, Min Separation Tx-Rx (MHz): 0.5 MHz (500kHz), Isolation Tx/Rx side (dB): 80dB @ 500kHz.	$1,240.00
	UHF Duplexers:	
RDE5227	Band Pass / Reject Duplexer with low loss and close spacing. 440-470 MHz, 150W, Insertion Loss Tx/Rx (dB): 2.0dB / 2.0dB, Min Separation Tx-Rx (MHz): 1.0 MHz, Isolation Tx/Rx side (dB): 60dB.	$1,485.00
RDE4672	Compact Notch Duplexer, with low loss and brass construction. 435-470 MHz, 100W, Insertion Loss Tx/Rx (dB): 1.2dB / 1.2dB, Min Separation Tx-Rx (MHz): 5 MHz, Isolation Tx/Rx side (dB): 75dB.	$1,012.00
RDE5221	Pass / Reject Duplexer with low loss and close spacing. 440-470 MHz, 150W, Insertion Loss Tx/Rx (dB): 1.2dB / 1.2dB, Min Separation Tx-Rx (MHz): 2.6 MHz, Isolation Tx/Rx side (dB): 80dB.	$1,564.00
RDE4830	Modular Q-Circuit Band Pass / Reject Duplexer that is rack mountable. 406-512 MHz, 125W, Insertion Loss Tx/Rx (dB): 0.8dB / 0.8dB, Min Separation Tx-Rx (MHz): 5 MHz, Isolation Tx/Rx side (dB): 75dB.	$968.00
RDE4835	Modular Q-Circuit Band Pass / Reject Duplexer that is rack mountable. 406-512 MHz, 125W, Insertion Loss Tx/Rx (dB): 1.2dB / 1.2dB, Min Separation Tx-Rx (MHz): 5 MHz, Isolation Tx/Rx side (dB): 85dB.	$1,450.00
	Cable Kit:	
HKN9034	External Duplexer cables for RKR1225	$55.25

See next page for additional steps.

Date 1/9/06

SUGGESTED RETAIL

RADIUS 100 WATT REPEATER
Dealer Assembled Model

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
Step Four: (Required)		
Select Power Amplifier.		
RDD4638	TPL Power Amplifier (136-174 MHz) 10W in & 100W out, includes fan and 25 amp power supply with external 4 amp connection to power R1225 1-10W transceiver & LTR® panel and receiver multicoupler if required.	$1,476.00
RLN4822	TPL Power Amplifier (450-470 MHz) 10W in/100W out, includes fan and 25 amp power supply with external 4 amp connection to power R1225 1-10W transceiver & LTR® panel and receiver multicoupler if required.	$1,575.00
Step Five: (Required)		
Order One (1) R1225 Transceiver and Fan Power Cable and One (1) Transmitter Cable.		
3080384H06	R1225 Transceiver and Fan Power Cable, terminations: ring terminals for connection to power amplifier power supply external 4 amp connection, R1225 power & fan connector.	$28.00
3080384H84	Transmitter Cable, connects R1225 transmitter output to power amplifier input, 2 Ft. long RG142 coax cable, N male terminations.	$25.00

Step Six: (Optional)

Select the appropriate Controller Panel if required. See GR1225 Repeater Accessories for a complete listing.

Step Seven: (Optional)

Order a Site Modem - Contact RPSD for Modem Accessories.

Step Eight: (Optional)

Select an Equipment Rack and Rack Accessories. Contact RPSD for additional accessories.

Step Nine: (Optional)

Select a Base Station Antenna. See accessory page or contact RPSD for additional accessories.

Step Ten: (Optional)

Select Transmission Line, Connectors and Accessories. See accessory page or contact RPSD for additional accessories.

Step Eleven: (Optional)

Select Surge Protection Equipment. Contact RPSD for Surge Protection accessories.

NOTE: Consult your Area Distribution Manager for master antenna systems (transmitter combiner/receiver multicoupler) solutions.

RADIUS 100 WATT REPEATER

Date 1/9/06

SUGGESTED RETAIL

ACCESSORIES

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
Miscellaneous Accessories:		
4280393A44	4" Long Black Cable Ties, 100 pack	$2.20
4280393A46	8" Long Black Cable Ties, 100 pack	$4.45
Omnidirectional Antennas:		
RDD4379	148-150.8 MHz, 3dB Gain with Max power 350W - Termination N Male++ (ASP-A680) - includes mounting hardware (2 of ASPR616)	$499.00
RDD4380	150.8-153 MHz, 3dB Gain with Max power 350W - Termination N Male++ (ASP-B680) - includes mounting hardware (2 of ASPR616)	$499.00
RDD4381	153-156.2 MHz, 3dB Gain with Max power 350W - Termination N Male++ (ASP-C680) - includes mounting hardware (2 of ASPR616)	$499.00
RDD4382	157-160 MHz, 3dB Gain with Max power 350W - Termination N Male++ (ASP-D680) - includes mounting hardware (2 of ASPR616)	$499.00
RDD4543	136-141 MHz, 5.25dB Gain with Max power 500W - Termination UHF Female (PD220-1) - includes mounting hardware (46 clamps set)	$814.00
RDD4544	142-150 MHz, 5.25dB Gain with Max power 500W - Termination UHF Female (PD220-2) - includes mounting hardware (46 clamps set)	$814.00
RDD4391	155-163 MHz, 5.25dB Gain with Max power 500W - Termination UHF Female (PD220-4) - includes mounting hardware (46 clamps set)	$814.00
RDD4389	150.5-158.5 MHz, 5.25dB Gain with Max power 500W - Termination UHF Female (PD220-3A) - includes mounting hardware (46 clamps set)	$814.00
RDD4390	151.5-159.5 MHz, 5.25dB Gain with Max power 500W - Termination UHF Female (PD220-3B) - includes mounting hardware (46 clamps set)	$814.00
RDD4545	157-165 MHz, 5.25dB Gain with Max power 500W - Termination UHF Female (PD220-5) - includes mounting hardware (46 clamps set)	$814.00
RDD4392	160-169 MHz, 5.25dB Gain with Max power 500W - Termination UHF Female (PD220-6) - includes mounting hardware (46 clamps set)	$814.00
RDD4546	165-174 MHz, 5.25dB Gain with Max power 500W - Termination UHF Female (PD220-7) - includes mounting hardware (46 clamps set)	$814.00
RDD4477	150-164 MHz, 5.3dB Gain with Max power 500W (DB616-AB) - Termination UHF Female (fixed) - includes mounting hardware (DB5087-3) (optional: RDN4449 side mount - not included)	$1,790.00
RDE4545	450-470 MHz, 5dB Gain Antenna, 150W, N Female (Celwave PD201-7)	$490.00
Directional Antennas:		
RDD4836	136-150 MHz, 9.2dB Gain with Max power 500W - Termination N Female (Y1365) - includes mounting bracket	$210.00
RDD4837	150-174 MHz, 9.2dB Gain with Max power 500W - Termination N Female (Y1365) - includes mounting bracket	$210.00
RDD4435	150-160 MHz, 9.5dB Gain with Max power 350W - Termination N Male (DB292A) - includes galvanized steel clamps	$670.00
RDD4436	155-164 MHz, 9.5dB Gain with Max power 350W - Termination N Male (DB292A) - includes galvanized steel clamps	$670.00
RDD4437	164-174 MHz, 9.5dB Gain with Max power 350W - Termination N Male (DB292A) - includes galvanized steel clamps	$670.00

RADIUS 100 WATT REPEATER

Date 1/9/06

SUGGESTED RETAIL

ACCESSORIES

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
Yagi Antennas:		
RDE4413	450-470 MHz, 10dBd Gain Antenna, 250W, N Male (Decibel DB436-C)	$235.00
Transmission Line:		
RDN5507	½" Superflexible HELIAX®, Andrew FSJ4-50B, Ideal for jumper assemblies, 1.25” bending radius, 2.32dB/100’ loss at 450MHz	$4.15 ft
RDN5502	½" HELIAX®, Andrew LDF4-50A, Ideal for jumper assemblies and short runs, 1.51dB/100’ loss at 450MHz	$2.84 ft
RDN5503	7/8' HELIAX®, Andrew LDF5-50A, 0.834dB/100’ loss at 450MHz	$6.51 ft
RDN5505	1 5/8” HELIAX®, Andrew LDF7-50A, 0.515dB/100’ loss at 450MHz	$16.90 ft
Transmission Line Connectors:		
	UHF Male Connector	
RDN5550	½” HELIAX® Transmission Line UHF Male Connector (Andrew L44P)	$31.00
Transmission Line Accessories:		
	Standard Grounding Kit	
RDN5517	7/8” HELIAX® - factory attached 1 hole lug, 24" ground (Andrew 204989-2)	$30.31
General Coax Protection: (not for use where transmitter combining is performed)		
RRX4038	Polyphaser IS-B50LN-C2-MA, Frequency Range: 125-1000MHz, Through Put Energy: 220uJ, Max Power UHF 125W, N male antenna side/N female equip. side.	$65.00
RRX4039	Polyphaser IS-B50HN-C2-MA, Frequency Range: 125-1000MHz, Through Put Energy: 800uJ, Max Power UHF 250W, N male antenna side/N female equip. side.	$70.00

MTR2000™
Analog Conventional
Base Stations & Repeaters
General Information

SUGGESTED RETAIL

GENERAL INFORMATION:

MTR2000 Literature: Product Planner (R4-2-97), VHF Catalog Sheet (MD-MTR-001), UHF Catalog Sheet (MD-MTR-002).

Station configuration depends upon band power selection. MTR2000 is available in both the VHF band and UHF band with power output ranges of 30, 40, and 100 watts.

The radio provides wireline control. It is capable of up to 32 transmit and receive frequencies; however, remote control access is limited to 14 channel operation. It is also capable of coded squelch (PL or DPL), variable time-out-timer, push to talk priority, repeater drop out delay. Base Station ID is included as a standard feature. These features ship in a preset condition but may be altered through the use of Radio Service Software. Base Stations may require an antenna relay, option X371. If the station is ordered as a repeater, it will support either two antenna connectors, or one connector if a duplex filtering option is ordered.

For VHF and UHF base stations, transmit and receive frequencies can be separated by the full frequency sub-band selected. If station is ordered with the high performance preselector, X265, receive frequencies can be separated up to 4.0 MHz without degradation of specifications. For repeater operation, transmit and receive frequencies can be separated by as little as 1.5 MHz for VHF and 5 MHz for UHF with the addition of a duplexer, X182. The duplexer will be factory tuned for single frequency operation only.

ORDERING REQUIREMENTS:

1. All orders must list the Radio Model as a Main line item (T5766).
2. You must select a power level by option. The station configuration will be determined by this option. Specify one transmit & one receive frequency for factory tuning. For VHF band (132 - 174 MHz) only, with conventional operation, the radio will accept any frequency divisible by 2.5 / 5.0 / 6.25 kHz. For VHF band in the trunking mode of operation, the frequencies must be divisible by 5.0 or 6.25 kHz. For other frequency bands, in either mode, the frequency must be divisible by 5.0 or 6.25 kHz.
3. If the transmit frequency is between 150.0 MHz and 154.0 MHz, the upper band (150-174 MHz) transmitter will be supplied. If 132-154 MHz transmit frequencies are required, and the frequency is in the overlap area, order option X325. If the receive frequency is between 150.0 MHz and 154.0 MHz, the upper band (150-174 MHz) receiver will be supplied when the high performance preselector is ordered. If 132-154 MHz receive frequencies are required, and the frequency is in the overlap area, order option X326.
4. You must select a Conventional Operation System Software Option (X597).
5. You must specify either Base Station Operation (X622) or Repeater Operation (X580). If the repeater operation is ordered, the transmit receive frequencies cannot be equal. NOTE: Base station operation does not include an antenna relay. If antenna relay is required, order option X371.
6. ALL STATIONS SHIP UNCONFIGURED AND MUST BE FIELD PROGRAMMED with the latest version of Radio Service Software (RSS) to alter the Communication Channel functions and to input the Transmit and Receive Frequencies within the specified range selected. NOTE: RSS REQUIRES MICROSOFT WINDOWS 3.1 OR WINDOWS '95 FOR OPERATION.
7. MTR2000 stations ship in a specially designed shipping box. You must order a cabinet or rack option if you require an external double circulator to be mounted at the factory. To rack mount the station, order appropriate rack configuration from MTR2000 rack options. To rack mount a station in an existing or customer supplied rack, order Field Installed Rack Mount Configuration hardware (CLN6679-RPSD).
8. Stand alone stations will ship in shipping box using carrier specified on order. Stand alone stations can be ordered with a duplexer. All stations ordered in a cabinet or rack ship via electronic van unless otherwise specified. MTR2000 stations with Rack Mount options cannot be shipped via Air Freight; specify surface transportation or order in a cabinet.
9. See product catalog sheets for FCC information.

MTR2000
Analog Conventional
Base Stations & Repeaters
VHF 136 - 174 MHz / UHF 403-470 MHz

SUGGESTED RETAIL

BASIC PACKAGE INCLUDES:

- **MTR2000 stations are cabinet and rack-mountable and ship standard in a shipping box**
- **MTR2000 utilizes a switching power supply (85-264VAC, 47-63 Hz)**
- **Tone Remote Control Only**
- **4 Wire Audio**
- **1.5 PPM Frequency Stability (VHF/UHF)**
- **Single Circulator (100 Watts)**
- **Double Internal Circulator (30 Watts)**
- **32 Channel Operation (Tone Remote Control Access Limited to 14 Channels)**
- **Type "N" Antenna Connectors for TX/RX**
- **Continuous Duty Cycle Operation**
- **Programmable Channel Selection (12.5/20/25 kHz)**
- **Installation and Operational Manual**

MODEL	DESCRIPTION	MANUF.SUGG. RETAIL PRICE
T5766	MTR2000 Station & Repeater Model	$1,020

NOTE: MUST ORDER ONE EACH OF THE FOLLOWING OPTIONS BELOW:

- **Power Option**
- **System Software Option**
- **Station Operation Option**

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
• SELECT ONE VHF OR UHF POWER OPTION:		
X345	132-174 MHz 30 - 1 Watt (Includes double internal circulator)	$1,515.00
X330	132-174 MHz 40 - 1 Watt	$1,190.00
X530	132-154 MHz (Range 1) or 150-174 MHz (Range 2) 100 - 25 Watts (includes single internal circulator)	$1,785.00
X341	403-470 MHz 30 - 2 Watts (Includes double internal circulator)	$2,895.00
X340	403-470 MHz 40 - 2 Watts	$2,575.00
X540	403-435 MHz or 435-470 MHz 100 - 25 Watts (Incl's single internal circulator)	$3,175.00
• SELECT SYSTEM SOFTWARE OPTION:		
System Software Option		
This option is required for each base station or repeater that is ordered. Does not include RSS.		
X597	Conventional Operation	$2,975.00
• SELECT ONE STATION OPERATION OPTION:		
Station Operation Option - SELECT ONE		
X580	Repeater Operation (Tx = Rx)	N/C
X622	Base Station Operation (Does not include Antenna Relay. If required, order option X371.)	N/C

MTR2000
Analog Conventional
Base Stations & Repeaters
OPTIONS

SUGGESTED RETAIL

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
VHF Sub-Band Overlap - Applies to 100W Stations Only:		
X325	TX Frequencies Range I - For overlap frequencies between 150.800-154.000 MHz.	N/C
X326	Rx Frequencies Range I - For use with high performance preselector X265 - For overlap frequencies between 150.800 - 154.000 MHz.	N/C
Primary Voltage:		
X121	DC Only Operation - Required for DC power source operation. 14.2 VDC source at 15 amps for 30 & 40 Watt models and 28.6 VDC @ 15 Amps source for 100W models. NOTE: NEGATIVE GROUND ONLY.	N/C
Peripherals:		
X265	High Performance Preselector - Recommended for dense RF site applications. For multiple channel operation the receiver frequency separation cannot be greater than 4.0 MHz. VHF preselector ranges are 132-154 and 150-174 MHz. Order Low Range Descriptor, X326, if frequencies fall into overlap range stated above and the lower range is desired. UHF preselector ranges are 403-433 and 433-470 MHz.	$300.00
X182	Factory Installed Duplexer - Allows a single pair of transmit and receive channels to share a common antenna. Sub-band breaks and Tx to Rx frequency separation is as follows: VHF:132-146, 144-160, 158-174MHz; Tx to Rx > 1.5 MHz. UHF: 403-433, 438-470MHz; Tx to Rx = 5 MHz. If frequencies fall into the VHF overlap ranges stated above and the lower range is desired, order Low Range Descriptor option, X327. NOTE: A duplexer can be ordered without a cabinet or rack.	$1,380.00
X676	External Double Circulator Operation - Sub-band breaks as follows: 132-146, 144-160, 158-174, 403-470 MHz. Order Low Range Descriptor Option, X327, if frequencies fall into VHF overlap ranges stated above and the lower range is desired. Also includes a Low Pass Filter and RF peripheral tray to accommodate the external double circulator. Requires that a cabinet or rack is ordered.	$1,600.00
X327	Low Range Descriptor (Order when frequencies on duplexers or circulators fall into the VHF sub-band overlap and the lower frequency range is required).	N/C
X371	Base Station Antenna Relay (not standard with main model)	$250.00
Remote Control:		
X84	Omit Wireline Remote Control - For stand alone repeater operations.	-$200.00
X269	Spectra-TAC Capability - Not compatible with X84	$150.00

MTR2000
Analog Conventional
Base Stations & Repeaters
OPTIONS

SUGGESTED RETAIL

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
General Options:		
X747	External Reference Capability - Adds external reference cable.	$50.00
C540	System Connector Cable Kit - provides a housing shell to connect to the 96 pin backplane connector, 30 loose pins, 30 of 24 gauge, 2 meter long wires with a pin for header on one end and unterminated at the other end. Allows user to create customized cable depending on application.	$50.00
X233	Wild Card Operation - Provides a utility that allows the user to affect a station's functions by asserting external inputs to the station and/or by monitoring station states. Requires X151 (Auxiliary Input & Output). Also requires System Connector Cable Kit (C540).	$200.00
X151	Auxiliary Input & Output - Provides the hardware and software needed for COR Relay and RA/RT. Requires System Connector Cable Kit (C540).	$600.00
C753	Main Standby Operation - Provides console TRC control, external closure or hot switchover. Requires Auxiliary Input & Output (X151) and System Connector Cable Kit (C540).	$400.00
Cabinet Options: Cabinets apply to MTR2000. Replaces standard shipping box. Allow space for peripherals when determining cabinet size. See Product Planner for Thermal Considerations.		
X52	30" Indoor Cabinet	$360.00
X308	46" Indoor Cabinet	$630.00
X180	60" Indoor Cabinet	$880.00
X968	Slide Rails - Motorola Cabinet - When ordering this option for field install in a cabinet, additional cabinet rails are required. See Product Planner for details.	$100.00
X346	Slide Rails - Non-Motorola Cabinet	$150.00
Rack Options: Replaces standard shipping box. Racks may be stacked to heights equal to an open rack. These stackable racks are recommended for all rack mounted systems going through the CCSI. See Product Planner R4-2-97 for details. Mounting hardware is included.		
X741	30" Modular Rack - 16 Rack Units	$200.00
X742	45" Modular Rack - 24 Rack Units	$225.00
X743	52" Modular Rack - 27 Rack Units	$250.00
Manuals:		
X436	MTR2000 Instruction & Field Service Manual - Provides information to service station to the FRU level.	$50.00
X287	Omit Install and Operational Manual - This option deletes the standard manual included with every station. This option is recommended when multiple stations will be used at the same site and one manual per station is not needed.	-$15.00

MTR2000
Analog Conventional
Base Stations & Repeaters
ACCESSORIES

SUGGESTED RETAIL

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
Kit & Accessories: VHF MTR2000 Field Replaceable Units (FRUs)		
All Field Replacement Units (FRUs) are available through Customer Care and Service Division (RPSD) 1-800-927-2744.		
Service Accessories:		
HSN1000	6 Watt Amplified External Speaker	$109.00
0185180U01	Cable for External Speaker	$17.25
GMN6147	Local Test Microphone	$70.50
Radio Service Software (RSS):		
RVN4148	Radio Service Software (includes 3.5" disk & manual) NOTE: RSS requires Microsoft Windows 3.1 or Windows '95 for operation.	$278.00
3082056X02	Cable for Radio Service Software	$50.00

MTR2000

Analog Conventional Receivers
VHF 136 - 174 MHz / UHF 403-470 MHz
General Information

SUGGESTED RETAIL

General Information:

MTR2000 Literature: Product Planner (R4-2-97), VHF Catalog Sheet (MD-MTR-001), UHF Catalog Sheet (MD-MTR-002). The receiver provides wireline control. The receiver is capable of up to 32 receive frequencies, however, remote control access is limited to 14 channel operation. It is also capable of coded squelch (PL or DPL). These features ship in a preset condition but may be altered through the use of Radio Service Software.

For VHF and UHF receivers, receive frequencies can be separated by the full frequency sub-band selected. If receiver is ordered with the high performance preselector, X265, receive frequencies can be separated up to 4.0 MHz without degradation of specifications.

Ordering Requirements:

1. All orders must list the Radio Model as a Main line item (T5769).

2. You must select a frequency band option. Specify one receive frequency for factory tuning. Exact customer frequencies are programmed in the field. For VHF band (132 - 174 MHz) only, with conventional operation, the radio will accept any frequency divisible by 2.5 / 5.0 / 6.25 kHz. For VHF band in the trunking mode of operation, the frequencies must be divisible by 5.0 or 6.25 kHz. For other frequency bands, in either mode, the frequency must be divisible by 5.0 or 6.25 kHz.

3. If the receive frequencies are between 150.0 MHz and 154.0 MHz, the upper band (150-174 MHz) receiver will be supplied when the high performance preselector is ordered. If 132-154 MHz receive frequencies are required and the frequency is in the overlap area, order option X326.

4. You must select a Conventional Operation System Software Option (X597).

5. ALL RECEIVERS SHIP UNCONFIGURED AND MUST BE FIELD PROGRAMMED with the Radio Service Software (RSS) to alter the Communication Channel functions and to input the receive frequency within the specified range selected. Radio Service Software (RSS) is not shipped with the station order from RPSD.
NOTE: RSS REQUIRES MICROSOFT WINDOWS 3.1 OR WINDOWS '95 FOR OPERATION.

6. MTR2000 receivers ship in a specially designed shipping box. To cabinet or rack mount the receiver, order the appropriate option. To rack mount a station in an existing or customer supplied rack, order Field Installed Rack Mount Configuration hardware (CLN6679).

7. Stand alone receivers will ship in shipping box using carrier specified on order. All receivers ordered in a cabinet or rack ship via electronic van unless otherwise specified. MTR2000 stations with Rack Mount options cannot be shipped via Air Freight; specify surface transportation or order in a cabinet.

8. See product catalog sheets for FCC information.

MTR2000

Analog Conventional Receivers

VHF 136 - 174 MHz / UHF 403-470 MHz

BASIC PACKAGE INCLUDES:

- **MTR2000 Receivers are cabinet and rack-mountable and ship standard in a shipping box**
- **MTR2000 utilizes a switching power supply (85-264VAC, 47-63 Hz)**
- **Tone Remote Control Only**
- **32 Channel Operation (Remote Control Access Limited to 14 Channels)**
- **4 Wire Audio**
- **1.5 PPM Frequency Stability (VHF/UHF)**
- **Type "N" Female Antenna Connectors**
- **Installation and Operational Manual**

MODEL	DESCRIPTION	MANUF.SUGG. RETAIL PRICE
T5769	MTR2000 Receiver Model	$800

NOTE: MUST ORDER ONE EACH OF THE FOLLOWING OPTIONS BELOW:

- **Frequency Band Option**
- **System Software Option**

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE

• SELECT ONE FREQUENCY BAND OPTION:

X319	132-174 MHz VHF Receiver	$650.00
X320	403-470 MHz UHF Receiver	$900.00

• SELECT SYSTEM SOFTWARE OPTION:

System Software Option
This option is required for each receiver that is ordered. Does not include RSS.

X597	Conventional Operation	$1,550.00

		MANUF.SUGG.RETAIL PRICE
Options:		
VHF Sub-Band Overlap:		
X326	Rx Frequencies Range I - For use with high performance preselector X265 - For overlap frequencies between 150.800 - 154.000 MHz.	N/C
Primary Voltage:		
X121	DC Only Operation - Required for DC power source operation. 14.2 VDC source at 1.5 amps. NOTE: NEGATIVE GROUND ONLY.	N/C
Peripherals:		
X265	High Performance Preselector - Recommended for dense RF site applications. For multiple channel operation the receiver frequency separation cannot be greater than 4.0 MHz. VHF preselector ranges are 132-154 & 150-174 MHz. Order Low Range Descriptor, X326, if frequencies fall into overlap range stated above & the lower range is desired. UHF preselector ranges are 403-433 and 433-470 MHz.	$300.00

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SUGGESTED RETAIL

MTR2000
Analog Conventional Receivers
OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
Remote Control :		
X84	Omit Wireline Remote Control - For stand alone repeater operations.	-$200.00
X269	Spectra-TAC Capability - Not compatible with X84	$150.00
General Options:		
X747	External Reference Capability - Adds external reference cable.	$50.00
C540	System Connector Cable Kit - provides a housing shell to connect to the 96 pin backplane connector, 30 loose pins, 30 of 24 gauge, 2 meter long wires with a pin for header on one end & unterminated at the other end. Allows user to create customized cable depending on application.	$50.00
X233	Wild Card Operation - Provides a utility that allows the user to affect a station's functions by asserting external inputs to the station and/or by monitoring station states. Requires X151 (Auxiliary Input & Output). Also requires System Connector Cable Kit (C540).	$200.00
X151	Auxiliary Input & Output - Provides the hardware and software needed for COR Relay & RA/RT. Requires System Connector Cable Kit (C540).	$600.00
C753	Main Standby Operation - Provides console TRC control, external closure or hot switchover. Requires Auxiliary Input & Output (X151) and System Connector Cable Kit (C540).	$400.00
Cabinet Options: Cabinets apply to MTR2000. Replaces standard shipping box. Allow space for peripherals when determining cabinet size. See Product Planner for Thermal Considerations.		
X52	30" Indoor Cabinet	$360.00
X308	46" Indoor Cabinet	$630.00
X180	60" Indoor Cabinet	$880.00
X968	Slide Rails - Motorola Cabinet - When ordering this option for field install in a cabinet, additional cabinet rails are required. See Product Planner for details.	$100.00
X346	Slide Rails - Non-Motorola Cabinet	$150.00
Racks: Replaces standard shipping box. Racks may be stacked to heights equal to 8 Ft. These stackable racks are recommended for all rack mounted systems going through the CCSI. See Product Planner for details, R4-2-97B.		
X741	30" Modular Rack - 16 Rack Units	$200.00
X742	45" Modular Rack - 24 Rack Units	$225.00
X743	52" Modular Rack - 27 Rack Units	$250.00
Manuals:		
X436	MTR2000 Instruction & Field Service Manual - Provides information to service station to the FRU level.	$50.00
X287	Omit Install and Operational Manual - This option deletes the standard manual included with every station. This option is recommended when multiple stations will be used at the same site and one manual per station is not needed.	-$15.00
Kit & Accessories: VHF MTR2000 Field Replaceable Units (FRUs)		
All Field Replacement Units (FRUs) are available through Customer Care and Service Division (RPSD) 1-800-927-2744.		
Service Accessories:		
HSN1000	6 Watt Amplified External Speaker	$109.00
0185180U01	Cable for External Speaker	$17.25
GMN6147	Local Test Microphone	$70.50
Radio Service Software (RSS):		
RVN4148	Radio Service Software (includes 3.5" disk & manual) NOTE: RSS requires Microsoft Windows 3.1 or Windows '95 for operation.	$278.00
3082056X02	Cable for Radio Service Software	$50.00

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MX800
Analog Conventional
Base Station/Repeater
200 MHz (217-221 MHz) /
700 MHz (746-764 MHz)

SUGGESTED RETAIL

The MX800 Base Station/Repeater is intended for use as the repeater component in the PassPort®/LTR® trunked infrastructure for 200 MHz and 700 MHz frequency bands. The MX800 must interface to an LTR® controller to provide LTR® trunking operation and to Trident Microsystems - NTS controller to provide PassPort® operation. Trunking controllers may be purchased through Motorola's Assembled Trunking System (ATS) program or separately through RPSD. ATS ordering information is available through Motorola Online (MOL).

BASE STATION/REPEATER MODEL INCLUDES:

- 50 Watts Power Output
- Compact Fully Welded Steel Housing, 2 RU high by 19" wide. Shipped standard in shipping box.
- Built-in Interface to NTS Controller (cable supplied by Trident)
- 2.5 ppm Frequency Stability (200 MHz); 1.0 ppm Frequency Stability (700 MHz)
- Field Programmable with Windows-Based Software via RS232
- 255 RF Channel Capacity, Programmable with RSS
- 12.5 kHz Channel Spacing
- FCC Type Accepted, UL Approved Power Supply
- Continuous Duty Operation at Full Power

Notes:
Each Station/ Repeater requires an external power supply, ordered below, for operation. Frequencies do not need to be specified. MXTools software required for field configuration.

MODEL NUMBER	DESCRIPTION	MANUF.SUGG. RETAIL PRICE
DDN6725	MX800 Base Station & Repeater, 200 MHz	$4,728
DDN6726	MX800 Base Station & Repeater, 700 MHz	$4,760

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
Power Supplies:		
DDN6734	110VAC to 13.8VDC, 12A/60C Single Power Supply with Standard 19" Rack Mount	$580.00
DDN6735	110VAC to 13.8VDC, 12A/60C Dual Power Supply with Standard 19" Rack Mount. Supports two (2) stations. Non-redundant configuration.	$1062.00
Service Aids and Manuals:		
DDN6730	MXTools Programming Software (requires Windows 95, 98 or 2000 Operating System)	$319.00

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SUGGESTED RETAIL

MC1000™, MC2000™ & MC2500™ Desktop Controllers
EXTENDED LOCAL, DC & TONE REMOTE CONTROL

All MC1000, MC2000 and MC2500 Models Include:
- Single Frequency Station Control (Local Model)
- 4 Frequency Station Control (Tone & DC Model)
- Push-to-Talk Handset
- 2 or 4 Wire
- LOTL/LOBL
- Black Color
- Volume Control / Transmit LED
- Monitor Switch
- 120V AC - 60 Hz Power Supply
- Supervisory Takeover or Line Select (Tone/DC)
- Operator Cross Mute
- Intercom
- LTR® Compatible
- Service Manual
- One Year Warranty

MC2500 Only Additional Features:
- 4 Base Station Control - Capable of controlling 4 Tone channels or 3 Tone channels and 1 DC channel.
- Also capable of E & M control on all channels. Use of a Tone or DC Remote Adapter is required when connected to a mobile in a tray.
- Connector for Unselect Speaker
- Individual Volume Control
- Dedicated Logging Recorder Output
- Radio Patch
- Multi-Select
- Multi -Tasking
- All Mute

MC2000/MC2500 Additional Features:
- 18 Programmable Buttons
- 2 Line x 20 Character Backlit Display
- Multi-Frequency Capability - up to 16 frequencies on Tone
- 110V/220V AC - 50/60 Hz Power Supply
- MDC Features:
  - PTT Unit ID (Encode/Decode)
  - Voice Selective Call (Encode/Decode)
  - Call Alert/Short Call Alert (Encode/Decode)
  - Status Message (Decode)
  - Radio Enable/Disable (Encode)
  - Radio Check (Encode)
  - Emergency Alarm (Decode)
- Recent User Stack - Last nine records are stored for review at any time.
- RS232 Port - Allows RSS programming via computer or the logging of MDC1200 inbound/outbound Serial Printer Port activity for permanent record keeping on a serial printer.
- Paging Encode - Allows you to selectively call a pager, portable, or mobile unit and eliminate the need to purchase a stand alone encoder. The following schemes are supported: QC II, 2 Tone, 5 Tone, 6 Tone, Digital Dial, Reach 1+1, GE 99, NEC 5 & 6, DTMF or Custom A and B tones.
- Aux I/O's
- Securenet Coded/Clear Operation - Supports positive mode control (Tone)

Notes:
1) Intercom - Allows communication between desksets without accessing the radio frequency
2) Up to 10 remotes can be used in parallel.
3) MC Series remotes are not compatible with 900 MHz MaxTrac Mobiles.
4) MC2000 and MC2500 units require RSS programming software.
5) MC2500 unselect speaker port supports a passive speaker only.
6) For unexpected out-of-box failures or quality issues, the MC Series and MC3000 must be returned for warranty repair. Please refer to the user's manual. Units will be replaced if they are sent in a total of 3 times and continue to exhibit the same problem.
7) For L3276 & L3277, radio interface cable not included. Must be ordered separately.

Extended Local Control Model Only
- If more than one L3211 or L3214 is used in parallel, the total distance of all parallel units cannot exceed 1000 Ft..

DC and Tone Remote Control Models Only:
- For DC and Tone Remote Control: If base is not remote capable, a Remote Adapter is required (see L3276 & L3277).
- The L3213 Desksets support channel steering between 4 talkgroups over conventional or LTR® Trunking Systems.
- The L3216 and L3217 Desksets support channel steering between 15 talkgroups over conventional or LTR® Trunking Systems.

MODEL NUMBER	DESCRIPTION	MANUF.SUGG. RETAIL PRICE
L3211	MC1000 Extended Local Control Deskset - Single Frequency	$285
L3212	MC1000 DC Remote Control - 4 Frequency Maximum, 2-Wire or 4-Wire	$545
L3213	MC1000 Tone Remote Control - 4 Frequency Maximum, 2-Wire or 4-Wire	$525
L3214	MC2000 Extended Local Control Deskset - Single Frequency	$1,080
L3215	MC2000 DC Remote Control - 4 Frequency Maximum, 2-Wire or 4-Wire	$1,360
L3216	MC2000 Tone Remote Control - 16 Frequency Maximum, 2-Wire or 4-Wire, Parallel Status Updating	$1,280
L3217	MC2500 Multi-Channel Remote Control	$2,482

MODEL NUMBER		MANUF.SUGG.RETAIL PRICE
Tone & DC Remote Adapters - includes AC Power Supply (DDN7066) and Install/Service Manual:		
L3276	Tone Remote Adapter	$655.00
L3277	DC Remote Adapter	$512.00
General Accessories:		
HMN3000	Desk Microphone for MC2000, MC2500 & L3276, Black	$120.00
HLN9457	Hardware Kit for use with the Expanded Accessory Connector (includes 16 connector pins, five (5) 8" wires with pins attached and an extra housing)	$6.95
Extended Local Control Accessories (for use with L3211 and L3214):		
DDN6337	Junction Box (order appropriate cable below) For connecting up to 6 local control desksets to the station.	$398.00
Radio Interface Cables (for use with DDN6337, L3276 and L3277):		
DDN6338	Radio Interface Cable (10 Ft.) for use with MaxTrac (16 pin accessory connector required), SM120™, M1225™, CDM750™, CDM1250™, CDM1550™ & CDM1550•LS+™	$72.00
DDN6340	Generic Radio Cable (10 Ft.) - unterminated, bare leads (can also be used with L3217)	$50.00
Field Install Kits:		
DDN6481	Punch Block with Spark Gap (recommended)	$405.00
DDN6516	Headset Jackbox - adds headset capacity See MC3000 pages for compatible headsets	$110.00
DDN6668	Single Footswitch	$94.00
DDN6341	110VAC Transformer for MC1000 models	$49.00
DDN6342	110/220VAC - 50/60 Hz Power Supply for MC2000 and MC3000 models	$169.00
DDN6339	110/220VAC - 50/60 Hz Power Supply for MC2500 models	$198.00
DDN7066	110/220VAC - 50/60 Hz Power Supply for L3276 & L3277 Remote Adapters	$155.00
Programming (MC2000 and MC2500 Models Only):		
RVN4178	Radio Service Software (includes CD-ROM)	$265.00
DDN6367	Radio Service Software Cable AT (DB9)	$35.00

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SUGGESTED RETAIL

MC3000™ Digital Desktop Controller

Trunked or Conventional Systems For CDM1550™ Series Radios

The MC3000 Digital Desktop Controller is capable of controlling all trunking and conventional functions of the CDM1550 Series Radio. The MC3000 acts similarly to the radio's control head and will NOT provide capabilities above and beyond the radio. A maximum of thirty-one (31) desktop controllers can be connected in parallel to one station using a junction box and the appropriate cable kits. The MC3000 in a local configuration allows up to 5000 Ft. of total cable length. The radio CANNOT be used as a dispatch when an MC3000 is connected. If two or more dispatch positions are needed, two (2) MC3000 units and a junction box should be purchased.

Standard Features:

- Local Control
- Handset with Push-to-Talk (PTT) Switch
- Desk or Wall Mountable Housing
- Internal Dispatch Microphone
- Front Panel PTT Capability
- 2 x 20 Character Backlit Display
- 110V/220V In-line Power Supply
- Compatible with a Desk Microphone, Footswitch and Headset
- Parallel Operation
- Parallel Status Updating
- Supervisory Takeover
- Intercom Capability
- Automatic Line Leveling
- Black Housing
- Instruction Manual

Order Requirements for Local Control: The basic model of the MC3000 is designed for local control only.

1) An MC3000 Junction Box (L3239) is required for each CDM1550™ and CDM1550·LS+™ being controlled. The MC3000 Junction Box is connected to the radio via a 10 foot cable.
2) A Remote Mount Kit (RLN4802) and Remote Mount Cable (RKN4077) are required to remote control a CDM1550 and CDM1550·LS+ radio.
3) Each desktop controller must be connected to the MC3000 Junction Box using a minimum of Category 3, 8-conductor straight through cable with RJ45 Telco connectors. Maximum aggregate cable length is 5000 Ft..
4) For remote system, two (2) juncion boxes with the same modem options are required.
5) For unexpected out-of-box failures or quality issues, the MC Series and MC3000 must be returned for warranty repair. Please refer to the user's manual. Units will be replaced if they are sent in a total of 3 times and continue to exhibit the same problem.
6) For a headset to be connected, the following is required: Headset Jackbox (DDN6516), Headset Base (CDN6281_R or CDN6282_R) and a Headset top.

MODEL NUMBER	DESCRIPTION	MANUF.SUGG. RETAIL PRICE
L3223	Digital Desktop Controller	$876

Junction Box:

L3239	Digital Junction Box for CDM1550™ Series Radios	$682
Options for Junction Box Only:		
ZA00277AA	Leased Line Modem	$677
ZA00278AA	Dial-Up Modem	$878

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Date 1/9/06

MC3000™ Digital Desktop Controller

Trunked or Conventional Systems
For CDM1550™ Series Radios

SUGGESTED RETAIL

ACCESSORIES

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
General Accessories		
DDN6342	110/220VAC - 50/60 Hz Power Supply for MC2000 and MC3000 models	$169.00
RLN4802	Remote Mount Kit - CDM1550 and CDM1550•LS+ models only	$93.50
RKN4077	Remote Mount Cable, 3 meter length - CDM1550 and CDM1550•LS+ models only	$8.25
HMN3000	Desk Microphone, Black	$120.00
DDN6668	Single Footswitch	$94.00
BLN6732	Dual Footswitch	$106.00
DDN6516	Headset Jackbox	$110.00
CDN6282_R	Headset Amplifier Module Base (15 Ft. Coil Cord)	$245.00
CDN6281_R	Headset Amplified Module Base with PTT Switch (15 Ft. Coil Cord)	$204.00
RLN5130	Headset Amplified Module Base with PTT Switch (25 Ft. Coil Cord)	$242.00
Operator Audio Accessories: **All headset "tops" below require Audio Accessory Box (DDN6516) and Amplified Module Base (CDN6282_R, CDN6281_R or RLN5130):**		
CDN6290_R	Noise Cancelling Supra Monaural - replaces voice tube with unidirectional microphone	$149.00
CDN6286	Encore Monaural - single speaker headband style with user selectable tone control	$127.00
CDN6293	Noise Cancelling Encore Monaural - replaces voice tube with unidirectional microphone	$145.00
CDN6294	Noise Cancelling Encore Binaural - replaces voice tube with unidirectional microphone	$184.00
CDN6295	StarSet - over-the-ear design with eartip receiver that fits into the ear for sound clarity	$110.00
CDN6297_R	Supra Monaural - Single Speaker Headband Style	$110.00

Date 1/9/06

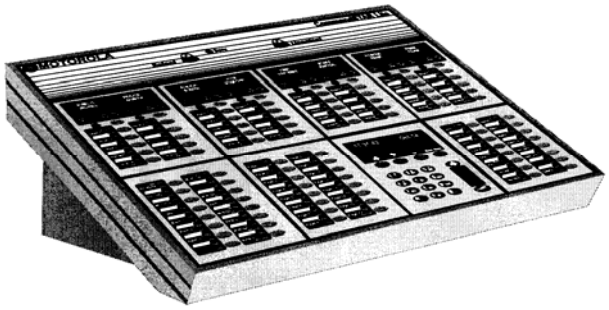
SUGGESTED RETAIL

CommandSTAR Lite™

DESKTOP or RACKMOUNT CONSOLE CONVENTIONAL AND DIGITAL CONTROL

All CommandSTAR Lite models include:

- **CSDM (CommandSTAR Lite Database Manager), Programming Software**
- **Keypad Module with Display and PTT**
- **Auxiliary Control Module (ACM) - 16 function buttons w/LEDs**
- **Parallel Status Updating (on Tone & Digital Control channels only)**
- **Internal Condenser Microphone on desktop versions only**
- **Two (2) Speakers (Select and Unselect)**
- **One (1) RS232 Port (logging printer, CSDM, or Netclock)**
- **One (1) Recorder Port (600 ohms) for select audio and microphone audio**
- **Four (4) Audio Accessory Ports for headset, footswitch, desk microphone and gooseneck microphone (only one (1) active at a time)**
- **Call Director Interface**
- **Dispatcher Busy LED**
- **110/220V AC 50-60 Hz Power Supply**
- **Operator, Installation and CSDM Manuals**
- **One Year Warranty**



General Information:

1. Punchblock and Cable for base station interface does not ship standard.
2. All other orders should be faxed to Motorola at **1-800-628-5932.**
3. The CommandSTAR Lite is a fully featured self contained Dispatch Console available in both a desktop package and rackmount configuration. Each console can support up to eight different RF resources. These resources can be Base stations, Repeaters or Control Stations. In addition the CommandSTAR Lite supports 2 analog telephone interfaces.
4. The basic unit comes complete with Select and Unselect speakers, power supply, full numeric Keypad module (with display) and an Auxiliary Control Module (ACM). The Keypad module provides the means to enter telephone numbers and paging codes as well as allowing access to basic parameters and diagnostic menus. The ACM features 16 programmable buttons that can be used for a variety of functions such as I/O control and Paging.
5. Six additional modules can be added to the unit for control of resources or provision of further I/O and paging controls. These modules can consist of any combination of the following:
   - Channel Control Module (CCM) - supports two (2) RF resources
   - Single Display Channel Control Module (SDCCM) - supports a single RF resource providing a display for channel/ frequency aliases and signalling decode.
   - Display Channel Control Module (DCCM) - supports two (2) RF resources providing a display for channel/frequency aliases and signalling decode.
   - Digital Radio Control Module (DRCM) - supports a single control station via SB9600 bus and provides a display.
6. The CommandSTAR Lite has a Call Director port for connection to an external telephone system, allowing calls to be answered via the console. A single RS232 port is provided for connection to the CommandSTAR Database Manager (CSDM) computer that is used for programming, configuring and monitoring the console. This port can also be used as an output connection to a printer for logging Stat-Alert call information.

Ordering Requirements:

1. All CommandSTAR Lite consoles ship with programming software (CSDM) which requires a PC operating Windows XP with an available serial port. A cable is not provided and needs to be ordered separately (CDN6181 or CDN6182).
2. The CommandSTAR Lite can be ordered as a desktop or rackmount unit in one of two base configurations. The base configuration chosen will depend upon the requirements for mounting and interface to control stations with digital keying.

Model	Mounting	Number of Channels supported	Supports Digital Interface to Control Station
L3179	Desktop	8 Max	No
L3331	Desktop	8 Max	Yes - four
L3250	Rackmount	8 Max	Yes - four

Ordering Requirements Continued:

3. The appropriate number of control modules must be ordered for the unit
   - A CCM (Z100AB) and DCCM (Z102AB) each support two channels. The DCCM provides a 2 line display for alias and message/status decodes for each channel. The CCM provides space for a printed label to identify the channel. Each channel has three programmable buttons for functions such as Repeat Enable/disable, Multiple frequency selection, etc.
   - A SDCCM (Z103AB) support a single channel, providing a 2 line display for alias and message/status decodes. Each unit provides eight programmable buttons for functions such as Repeat Enable/disable, Multiple frequency selection, etc.
   - For TRC or E&M control no option is required. However for DC control, order the DC Control Module (Z124). This will provide DC Control for up to four channels. If more channels require DC control, then a second Z124 option should be ordered.

4. If a digital interface to a radio is to be used, then order the DRCM (ZA00170AA). One is required for each radio. This option can only be used with the L3331 and L3250 models. A Digital Junction Box is required for each radio connected to a DRCM. For a CDM1550™ radio order a L3239, CDM1550 Remote Kit (RLN4802) and Remote Cable Kit (RKN4077). The junction box allows up to six (6) CommandSTAR Lite consoles to be connected to a radio. Junction Boxes can be found on the MC3000 price page.

5. If more than four DRCM's are required, then order a Digital Remote Control Board (DDN6137) to field install and the additional DRCM options. Note the maximum amount of DRCM's that can be installed is six.

6. Connection from the CommandSTAR Lite to the RF equipment and Junction boxes is via two 50-way telco connectors using 25-pair cable. Channels 1-4 are on one connector and channels 5-8 are on the other. Order the appropriate cables (CDN6300, CDN6301 or CDN6302) and punch block (DDN6481).

7. If additional Auxiliary controls are required, above those supported by the initial ACM module, then order the appropriate number of option Z104AB. This option adds an ACM to the unit giving 16 more controls.

8. If telephone resources are required, then an option Z118 is ordered. This option provides an interface to two separate POTS lines. Only one Z118 option is allowed.

9. Accessories can be ordered as required. The Desktop CommandSTAR Lite has a built in condenser microphone, but a desk microphone, HMN3000, or gooseneck microphone, TDN9941, can be used. If a footswitch is required, order BLN6732 and up to two (2) headset jacks, DDN6516, may be connected. A number of headsets are listed. Any of these may be used with the CommandSTAR Lite Console. These headsets consist of two parts, a base and a top. A choice of two bases is available (CDN6281 and CDN6282) and several tops are available. For each headset to be connected, the following is required: Headset Jack-box, Headset Base and a Headset Top.

Capacity Limitations

The CommandSTAR Lite has some fundamental capacity limitations as detailed below:

1. Maximum number of channels supported = 8
2. Maximum number of Control Module options = 6

Therefore -

2*(Qty of Z100AB + Qty of Z102AB) + Qty of Z103AB + Qty of ZA00170AB <= 8

AND

Qty of Z100AB + Qty of Z102AB + Qty of Z103AB + Qty of Z104AB + Qty of ZA00170AB <= 6

The table below gives examples of combinations that fit the rules above.

Type of Module			Number of Channels	Number of Modules
Dual Channel Z100 and Z102	Single Channel Z103 and ZA00170	ACM Z104		
0	6	0	6	6
1	5	0	7	6
2	4	0	8	6
3	2	1	8	6
4	0	2	8	6
0	1	5	1	6
0	2	4	2	6
0	3	3	3	6
0	4	2	4	6
0	5	1	5	6
0	6	0	6	6

CommandSTAR Lite™

Date 1/9/06

DESKTOP or RACKMOUNT CONSOLE MODELS / OPTIONS

SUGGESTED RETAIL

MODEL	DESCRIPTION	MANUF.SUGG. RETAIL PRICE
L3179	**Eight (8) Channel Desktop Console** Desktop console with capacity for eight (8) analog channels, supporting TRC, DC or E&M control. Includes Power Supply, Select and Unselect speakers, Keypad module and one Auxiliary Control Module. Appropriate Control Modules must be ordered, a maximum of six (6) additional modules can be ordered.	$6,884
L3331	**Eight (8) Channel Desktop Console, with Digital Control Capability** Desktop console with capacity for eight (8) analog channels, supporting TRC, DC, and E&M control with the capability to support four (4) radios via digital control. Includes Power Supply, Select and Unselect speakers, Keypad module and one (1) Auxiliary Control Module. Appropriate Control Modules must be ordered, a maximum of six (6) additional modules can be ordered.	$7,450
L3250	**Eight (8) Channel Rackmount Console, with Digital Control Capability** Rack mount console with capacity for eight (8) analog channels, supporting TRC, DC, and E&M control with the capability to support four (4) radios via digital control. Includes Power Supply, Select and Unselect speakers, Keypad module and one (1) Auxiliary Control Module. Appropriate Control Modules must be ordered, a maximum of six (6) additional modules can be ordered.	$7,450

Junction Box:

L3239	**Digital Junction Box for CDM1550™ Series Radios** (One (1) required per digital radio)	$682
Options for Junction Box Only:		
ZA00277AA	Leased Line Modem	$677
ZA00278AA	Dial-Up Modem	$878

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
Operator Control Modules: **See ordering instructions. Channel modules provide operator control for two base stations (with Select, Instant TX, Volume Control Knob, and Mute per channel) and are available with or without displays. Display required to decode MDC1200 per channel.**		
Z100AB	Dual Radio Channel Control Module (CCM) Add two (2) channels identified by fixed labels. Three option buttons available per channel.	$484.00
Z102AB	Dual Channel Control Module with Display (DCCM) Activates two (2) line by 8 character display for each channel. Three option buttons available	$976.00
ZA00170AA	Digital Radio Control Module (DRCM) Add one (1) digital channel with two (2) line by 16 character display. Compatible with L3331 & L3250 only.	$1,076.00
Z104AB	Auxiliary Control Module (ACM) Adds sixteen (16) additional function control buttons and LEDs to be custom programmed with any combination of common control features.	$388.00
Z103AB	Single Channel Control Module with Display	$500.00
Z118AC	Two Phone Lines Adds interface to main board for two (2) CO phone lines. Lines support Caller ID. Each phone line requires a button on an ACM to access it. Additional ACM buttons are used for Talk, Release and Hold.	$520.00
Z124AC	DC Control One (1) Z124 allows for DC control on up to four (4) channels.	$750.00

CommandSTAR Lite™

Date 1/9/06

DESKTOP or RACKMOUNT CONSOLE ACCESSORIES

SUGGESTED RETAIL

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
Programming Cables:		
CSDM is included with each unit; however, the appropriate cable must be ordered for programming		
CDN6182	25 Ft. CSDM AT Computer Cable (DB9 serial port on PC)	$92.00
General Accessories:		
HMN3000	Desk Microphone, Black	$120.00
DDN7526	Gooseneck Microphone for Desktop Console	$295.00
BLN6732	Dual Footswitch	$106.00
DDN6516	Headset Jackbox	$110.00
RLN4802	Remote Mount Kit - CDM1550 and CDM1550•LS+ models only	$93.50
CDN6282_R	Headset Amplifier Module Base (15 Ft. Coil Cord)	$245.00
CDN6281_R	Headset Amplified Module Base with PTT Switch (15 Ft. Coil Cord)	$204.00
RLN5130	Headset Amplified Module Base with PTT Switch (25 Ft. Coil Cord)	$242.00
Operator Audio Accessories:		
All headset "tops" below require Audio Accessory Box (DDN6516) and Amplified Module Base (CDN6282_R, CDN6281_R or RLN5130):		
CDN6290_R	Noise Cancelling Supra Monaural - replaces voice tube with unidirectional microphone	$149.00
CDN6286	Encore Monaural - single speaker headband style with user selectable tone control	$127.00
CDN6293	Noise Cancelling Encore Monaural - replaces voice tube with unidirectional microphone	$145.00
CDN6294	Noise Cancelling Encore Binaural - replaces voice tube with unidirectional microphone	$184.00
CDN6295	StarSet - over-the-ear design with eartip receiver that fits into the ear for sound clarity	$110.00
CDN6297_R	Supra Monaural - Single Speaker Headband Style	$110.00
Field Upgrade Kits:		
DDN6130	Dual Radio Channel Control Module (CCM)	$559.00
DDN6131	Dual Radio Channel Control Module with Display (DCCM)	$1,051.00
DDN6138	Digital Radio Control Module (DRCM)	$1,124.00
TDN9897	DC Control (one (1) TDN9897 allows for DC control up to 4 channels)	$775.00
DDN6659	Modem Card, Leased Lines for Digital Junction Box Installation	$727.00
Punchblocks and Cables:		
Order one (1) Punchblock and Telco Cable for every four (4) radio channels being controlled.		
DDN6481	Punch Block with Spark Gap (recommended)	$405.00
CDN6300	15 Ft. Telco Cable - twenty five (25) pair telco cable, one 50-pin male and one 50-pin female connector (one rear-entry, one right angle)	$29.70
CDN6301	50 Ft. Telco Cable - twenty five (25) pair telco cable, one 50-pin male and one 50-pin female connector (one rear-entry, one right angle)	$44.50
CDN6302	100 Ft. Telco Cable - twenty five (25) pair telco cable, one 50-pin male and one 50-pin female connector (one rear-entry, one right angle)	$74.20
RKN4077	Remote Mount Cable, 3 meter length - CDM1550 and CDM1550•LS+ models only	$8.25

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Date 1/9/06

SUGGESTED RETAIL

DTR550™ / DTR650™ PORTABLE SPECIFIC FREQUENCY SERIES

All DTR550/DTR650 portable models include:

- **Standard Battery -**
  - **DTR550 - Li-ion, 1200 mAh Battery, 3.6V (53963)**
  - **DTR650 - Li-ion, 1500 mAh Battery, 3.6V (53964)**
- **Standard Charger -**
  - **DTR550 - 3 Hour Charger (NNTN4841)**
  - **DTR650 - 1 Hour Rapid Charger (53969)**
- **Drop-In Charging Tray (53962)**
- **Swivel Belt Holster (53961)**
- **CD-Rom User Guide**
- **Quick Reference Card**
- **One Year Warranty**

DTR550

DTR650

Features:

- **900 MHz ISM Frequency-Hopping Digital Spread Spectrum**
- **12 Alert Tones plus VibraCall™**
- **Battery Meter**
- **License Free Communication**
- **Backlit Display**
- **Private Calling: One-to-One Communication**
- **Public Group Calling: One-to-Many, Selected from List of 100 Group IDs**
- **Private Group Calling: One-to-Many, Selected from Contacts**
- **Remote Disable (Initiated by DTR650 Only)**
- **Remote Monitoring (Initiated by DTR650 Only)**
- **Remote Time / Date Update (Initiated by DTR650 Only)**
- **SMS (Short Messaging Service), 5-10 Quicknotes**
- **Contact List: Capacity 150 Shared Private / Public Group / Private Group - requires NTN2074 Mini Keyboard to program contact name list.**

Contact List Capacity	DTR550	DTR650
Private	150	150
Public Group	20	50
Private Group	10	20

Note: All Models - See User's Guide for additional frequencies.

BAND	PWR	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
DTR550 Model			
Digital 900 MHz	1W	AAH73WCF9NA2_N	$385
DTR650 Model			
Digital 900 MHz	1W	AAH73WCF9NA4_N	$400

PR400™ PORTABLES

VHF & UHF Models - 12.5/25 kHz

All PR400 portable models include:

- Standard Battery (Slim Li-ion, 1600 mAh, 7.2V Battery - NNTN4970)
- Standard Charger (120 Volt - 90 Minute Rapid Rate Charger - WPLN4138_R)
- Standard Antenna (VHF Heliflex - NAD6502_R / UHF Whip - NAE6483_R)
- 3" Belt Clip (HLN8255)
- Operating Instruction Manual
- 2 Year Warranty

Features:

- 16, 32 & 64 Conv Channel Models
- 12.5/25 kHz Switchable Chan Spacing
- 8 Character Alphanumeric Display (32/64 Ch)
- 2 Programmable Buttons (16 Ch)
- 4 Programmable Buttons (32/64 Ch)
- X-Pand™ Technology
- Dual Priority Scan
- Option Board Expandability

LTR® Features:

- Up to 4 Sites & 16 Talkgroups (16 Ch)
- Up to 10 Sites & 100 Talkgroups (32/64 Ch)
- Up to 20 Repeaters per Site
- Up to 4 Universal IDs per System (16 Ch)
- Up to 16 Universal IDs per System (32/64 Ch)
- UHF and VHF Frequencies
- Combined System Scan
- User Programmable Scan & Phone Lists
- Data Operated Squelch (DOS)

Programmable Button Features:

- Monitor
- High / Low Power
- Channel Scan
- Nuisance Channel Delete
- 2 Memory Channels
- PL/DPL Edit (32/64 Ch)
- Repeater / Talkaround
- Volume Set
- Tight / Normal Squelch
- VOX On / Off
- Battery Indicator (32/64 Ch)

Conventional/LTR® Signaling Features - All models:

- MDC1200 PTT ID (Numeric ID - Encode)
- MDC1200 Radio Check (Decode)
- MDC1200 Selective Radio Inhibit (Decode)
- MDC1200 Selective Call (16 Ch - Decode Only / 32 Ch & 64 Ch Encode/Decode)
- Quik Call II Selective Call (Decode - Conv. Only)
- Quik Call II Call Alert (Decode - Conv. Only)
- DTMF PTT ID (Encode - Conv. Only)

Conventional/LTR® Signaling Features - 32 & 64 Ch. Models:

- MDC1200 PTT ID (Numeric ID - Decode)
- Quik Call II Call Alert (Encode - Conv. Only)
- Quik Call II Selective Call (Encode - Conv. Only)
- DTMF Call Alert (Encode - Conv. Only)
- DTMF Selective Call (Encode - Conv. Only)

The following frequencies are not allowed:

151.19375	168.000	403.20625	436.800	443.94375	443.96875	488.32625	488.35125
151.200	168.00625	419.99375	436.80625	443.950	470.39375	488.3325	488.3575
151.20625	403.49375	420.000	443.93125	443.95625	470.400	488.33875	
167.99375	403.200	436.79375	443.9375	443.9625	470.40625	488.345	

420.006250 (420 MHz +/- 6.25 kHz) 488.36375 (488.345 MHz +/- 18.75 kHz)

BAND SPLIT	BAND	PWR	CHAN	CATALOG NUMBER	MANUF.SUGG. RETAIL PRICE
136-162 MHz	VHF	1-5W	16	AAH65JDC9AA2_N	$552
			32	AAH65JDF9AA3_N (Display-Limited Keypad)	$603
			64	AAH65JDH9AA4_N (Display-Full Keypad)	$655
146-174 MHz	VHF	1-5W	16	AAH65KDC9AA2_N	$552
			32	AAH65KDF9AA3_N (Display-Limited Keypad)	$603
			64	AAH65KDH9AA4_N (Display-Full Keypad)	$655
403-440 MHz	UHF	1-4W	16	AAH65QDC9AA2_N	$586
			32	AAH65QDF9AA3_N (Display-Limited Keypad)	$638
			64	AAH65QDH9AA4_N (Display-Full Keypad)	$690
438-470 MHz	UHF	1-4W	16	AAH65RDC9AA2_N	$586
			32	AAH65RDF9AA3_N (Display-Limited Keypad)	$638
			64	AAH65RDH9AA4_N (Display-Full Keypad)	$690
465-495 MHz	UHF	1-4W	16	AAH65SDC9AA2_N	$586
			32	AAH65SDF9AA3_N (Display-Limited Keypad)	$638
			64	AAH65SDH9AA4_N (Display-Full Keypad)	$690

FCC INFORMATION: ABZ99FT3039 (VHF 136-162 MHz) / ABZ99FT3045 (VHF 146-174 MHz) / ABZ99FT4057 (UHF 403-440 MHz) / ABZ99FT4056 (UHF 438-470 MHz) / ABZ99FT4058 (UHF 465-495 MHz)

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Date 1/27/06

SUGGESTED RETAIL

PR400™ PORTABLE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE FOR STEP 1		
	STEP 1:	
Radio Configuration Options:		
STDPKG0018	Slim Li-ion, 1600 mAh, 7.2V Battery (NNTN4970) and 90 Minute Rapid Rate Charger (WPLN4138_R)	N/C
Q651	Li-ion, 2250 mAh, 7.5V Battery (NNTN4497_R) and 90 Minute Rapid Rate Charger (WPLN4138_R)	$7.00
Q794	NiMH, 1400 mAh, 7.5V Battery (NNTN4851) and 90 Minute Rapid Rate Charger (WPLN4138_R)	-$10.00
Q795	NiMH, 1300 mAh, 7.5V Battery - Intrinsically Safe (FM) (NNTN4852) and 90 Minute Rapid Rate Charger (WPLN4138_R)	$53.00
Q624	NiCd, 1100 mAh, 7.5V Battery (NNTN4496_R) and 90 Minute Rapid Rate Charger (WPLN4138_R)	-$15.00
Omit Charger Options:		
Q648	Slim Li-ion, 1600 mAh, 7.2V Battery (NNTN4970) and No Charger	-$10.00
Q653	Li-ion, 2250 mAh, 7.5V Battery (NNTN4497_R) and No Charger	-$5.00
Q878	NiMH, 1400 mAh, 7.5V Battery (NNTN4851) and No Charger	-$20.00
Q869	NiMH, 1300 mAh, 7.5V Battery - Intrinsically Safe (FM) (NNTN4852) and No Charger	$50.00
Q652	NiCd, 1100 mAh, 7.5V Battery (NNTN4496_R) and No Charger	-$25.00

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
General Options:		
QA00097	Remote Speaker Microphone with Coiled Cord and Swivel Clothing Clip (HMN9030)	$73.50
QA00098	Earbud with Clip Microphone and PTT, Transmit & Receive (2-wire - not recommended for use with PL codes above 225 Hz - HMN9036)	$40.00
QA00099	Ultra-Light Headset, Behind-the-Head with In-Line PTT and Boom Microphone (RLN5411)	$60.00
QA00194	VHF 146-162 MHz, 3" Stubby Antenna (HAD9742)	$9.75
QA00189	VHF 162-174 MHz, 3" Stubby Antenna (HAD9743)	$9.75
QA00190	UHF 438-470 MHz, 3" Stubby Antenna (NAE6522_R)	$11.25
QA00191	UHF 470-512 MHz, 3" Stubby Antenna (8505816K26)	$11.25
Q884	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$25.00
H885	Express Service Plus Plan (ESP) 2 Year - Provides for 2 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$48.00

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Date 1/9/06

SUGGESTED RETAIL

PR860
PORTABLE
LowBand, VHF & UHF Models

All PR860 portable models include:

- **Standard Battery (Li-ion, impres™ 2000 mAh, 7.5V Battery - HNN4003)**
- **Standard Charger (impres™ Single Unit Charger - WPLN4182)**
- **Standard Antenna (LB NAB6064 / VHF NAD6502_R / UHF NAE6483_R)**
- **2.5" Belt Clip (HLN9714)**
- **Two Year Warranty**
- **Operating Instruction Manual**

Features:

- **16 Channels**
- **12.5/25 kHz Switchable Channel Spacing (VHF/UHF)**
- **20/30 kHz Switchable Channel Spacing (LowBand)**
- **3 Programmable Side Buttons**
- **Single Priority Scan**
- **Battery Status / Emerg. Siren Top Button**
- **X-Pand™ Technology**
- **Time-Out-Timer**
- **Busy Channel Lockout**
- **Internal VOX**
- **Adjustable Power Levels**
- **Option Board Expandability**

Programmable Buttons:

- **High / Low Power**
- **Channel Scan**
- **Squelch Levels**
- **Repeater / Talkaround**
- **Monitor**
- **Emergency Siren**
- **Battery Status**
- **Volume Set**

Signaling Features:

- **MDC1200 PTT-ID (Encode)**
- **MDC1200 Radio Check (Decode)**
- **MDC1200 Emergency Signaling (Encode)**
- **MDC1200 Selective Call (Decode)**
- **MDC1200 Select Radio Inhibit (Decode)**
- **MDC1200 Call Alert (Decode)**
- **Quik-Call II (Decode)**
- **Escalert Call Features**

The following frequencies are not allowed:

151.200	**419.195**	**436.805**	**459.905**	**494.955**
168.000	**420.000**	**453.595**	**468.300**	**498.830**
403.195	**420.005**	**453.600**	**469.105**	**502.710**
403.200	**436.795**	**453.605**	**470.400**	**504.000**
403.205	**436.800**	**457.805**	**483.320**	**507.875**
				511.755

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
29.7-42 MHz	LowBand	1W to 6W (ships 6W)	16	AAH45BEC9AA3_N	$835
35-50 MHz	LowBand	1W to 6W (ships 6W)	16	AAH45CEC9AA3_N	$835
136-174 MHz	VHF	1W to 5W (ships 5W)	16	AAH45KDC9AA3_N	$785
403-470 MHz	UHF	1W to 4W	16	AAH45RDC9AA3_N	$835
450-512 MHz	UHF		16	AAH45SDC9AA3_N	$835

FCC INFORMATION: AZ489FT1625 (29.7-42 MHz, 35-50 MHz) / AZ489FT3794 (136-174 MHz) / AZ489FT4826 (403-470 MHz) / AZ489FT4834 (450-512 MHz)

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Date 1/9/06

SUGGESTED RETAIL

PR860 PORTABLE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF SUGG RETAIL PRICE

INTRINSICALLY SAFE (FM): QA00051 (HNN4002) are rated Intrinsically Safe for use in Division 1, Class I, II, III, groups C,D,E,F,G and nonincendive Division 2, Class I, Groups A,B,C,D Temp code T3C.

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

STEP 1:

Battery Choices:

STDBAT0005	Standard Battery (Li-ion, impres™ 2000 mAh, 7.5V Battery - HNN4003)	N/C
QA00051	impres™, NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN4002)	$50.00
QA00059	impres™, NiMH, 1900 mAh, 7.5V Battery (HNN4001)	-$5.00

STEP 2:

Charger Choices:

STDCHG0005	Standard Charger (impres™ Single Unit Charger - WPLN4182)	N/C
H951	Omit impres™ Single Unit Charger	-$20.00

STEP 3:

Carry Holder Choices:

STDBLT0005	Standard Belt Clip (HLN9714)	N/C
H301	Omit Standard Belt Clip	-$5.00

STEP 4:

Antenna Choices:

STDANT0005	Standard Antenna (LowBand NAB6064, VHF NAD6502_R & UHF NAE6483_R)	N/C
Q46	VHF 148-161 MHz ONLY Whip Antenna (Enhanced Perf., 7.5" - NAD6579)	N/C
QA00062	UHF 430-470 MHz Stubby Antenna (PMAE4003)	-$2.00
H112	Omit Standard Antenna (LowBand, VHF & UHF)	-$3.50

STEP 5:

Shipping Box Choices:

STDBOX0005	Standard Model Box	N/C
H415	Bulk Packaging (minimum 10 units per line item)	N/C

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
General Options:		
QA00097	Remote Speaker Microphone with Coiled Cord & Swivel Clothing Clip - Intrinsically Safe (FM) (AAHMN9052)	$66.25
QA00100	Noise Cancelling Remote Speaker Microphone with Coiled Cord, Swivel Clothing Clip & 3.5mm Audio Jack - Intrinsically Safe (FM) (AAHMN9053)	$72.50
QA00101	2-Wire Comfort Earpiece with Combined Microphone and PTT, Black. Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise Enhancement (NTN8371)	$108.00
QA00102	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM) (AARMN4018)	$100.00
QA00103	Travel Charger (includes voltage regulated lighter adapter, custom charger base, coil cord and mounting bracket - RLN4883)	$89.25
Q663	Mandown Option Board - installed at Distribution Center. Available on Intrinsically Safe (FM) and Non-Intrinsically (FM) radios. Board must be programmed with ENVN4025 (Software) and 6880309K87 (Instructions), both sold separately.	$160.00
Q884	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$31.00
H885	Express Service Plus Plan (ESP) 2 Year - Provides for 2 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$61.00

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Date 1/9/06

SUGGESTED RETAIL

HT750™ PORTABLE

LowBand, VHF & UHF Models

All HT750 portable models include:

- **Standard Battery (LB NiMH, 1900 mAH, 7.5V - HNN9009_R / VHF/UHF NiMH, 1500 mAH, 7.5V - HNN9008_R)**
- **Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)**
- **Standard Antenna (LB NAB6064 / VHF NAD6502_R / UHF NAE6483_R)**
- **2.5" Belt Clip (HLN9714)**
- **Two Year Warranty**
- **Operating Instruction Manual**

Features:

- **4 & 16 Channel Capabilities**
- **12.5/25 kHz Switchable Channel Spacing (VHF/UHF)**
- **20/30 kHz Switchable Channel Spacing (LowBand)**
- **3 Programmable Side Buttons**
- **Battery Status / Emerg. Siren Top Button**
- **X-Pand™ Technology**
- **Time-Out-Timer**
- **Busy Channel Lockout**
- **Internal VOX**
- **Adjustable Power Levels**
- **Option Board Expandability**
- **MDC1200 PTT-ID (Encode)**
- **MDC1200 Radio Check (Decode)**
- **Non-Priority Scan**

Programmable Buttons:

- **High / Low Power**
- **Channel Scan**
- **Squelch Levels**
- **Repeater / Talkaround**
- **Monitor**
- **Emergency Siren**
- **Battery Status**
- **Volume Set**
- **Keypad Models Only**
  - **Telephone Interconnect**
  - **Keypad Lock**

16 Channel Models ONLY include these additional features:

- **Single Priority Scan**
- **Quik-Call II (Decode)**
- **MDC1200 Call Alert (Decode)**
- **MDC1200 Emergency Signaling (Encode) - on units with R05.00.03 firmware or higher**
- **MDC1200 Selective Call (Decode)**
- **MDC1200 Select Radio Inhibit (Decode)**
- **Escalert Call Features**

The following frequencies are not allowed:

151.200	419.195	436.805	459.905	494.955
168.000	420.000	453.595	468.300	498.830
403.195	420.005	453.600	469.105	502.710
403.200	436.795	453.605	470.400	504.000
403.205	436.800	457.805	483.320	507.875
				511.755

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
29.7-42 MHz	LowBand	1W to 6W (ships 6W)	16	AAH25BEC9AA3_N	$835
35-50 MHz	LowBand	1W to 6W (ships 6W)	16	AAH25CEC9AA3_N	$835
136-174 MHz	VHF	1W to 5W (ships 5W)	4	AAH25KDC9AA2_N	$735
			16	AAH25KDC9AA3_N	$785
			16	AAH25KDG9AA4_N (Keypad Model)	$870
403-470 MHz	UHF	1W to 4W (ships 4W)	4	AAH25RDC9AA2_N	$785
			16	AAH25RDC9AA3_N	$835
			16	AAH25RDG9AA4_N (Keypad Model)	$920
450-512 MHz	UHF		4	AAH25SDC9AA2_N	$785
			16	AAH25SDC9AA3_N	$835
			16	AAH25SDG9AA4_N (Keypad Model)	$920

FCC INFORMATION AZ489FT1625 (29.7-42/35-50 MHz) / AZ489FT3794 (136-174 MHz) / AZ489FT4826 (403-470 MHz) / AZ489FT4834 (450-512 MHz)

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Date 1/9/06

SUGGESTED RETAIL

HT750™ PORTABLE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE

INTRINSICALLY SAFE (FM): Q390 (HNN9010_R) and H236 (HNN9011_R) are rated Intrinsically Safe for use in Division 1, Classes I, II, III, Groups C, D, E, F and G.

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

STEP 1:

Battery Choices:

STDBAT0672	Standard Battery (VHF & UHF NiMH, 1500 mAh, 7.5V - HNN9008_R & LB NiMH, 1900 mAh, 7.5V - HNN9009_R)	N/C
Q390	NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN9010_R)	$62.00
Q508	NiMH, 1900 mAh, 7.5V Battery (HNN9009_R)	$13.00
H236	NiCd, 1200 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN9011_R)	$53.00
H225	NiCd, 1300 mAh, 7.5V Battery (HNN9012_R)	$5.00
H229	Li-ion, 1500 mAh, 7.5V Battery (HNN9013_R)	$40.00
	impres™ Batteries:	
QA00051	impres™, NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN4002)	$70.00
QA00059	impres™, NiMH, 1900 mAh, 7.5V Battery (HNN4001)	$22.00
QA00060	impres™, Li-ion, 2000 mAh, 7.5V Battery (HNN4003)	$48.00

STEP 2:

Charger Choices:

STDCHG0672	Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)	N/C
H951	Omit 120 Volt Rapid Rate Charger	-$20.00
	impres™ Charger:	
QA00061	impres™ Single Unit Charger (WPLN4182)	$35.00

STEP 3:

Carry Holder Choices:

STDBLT0672	Standard Belt Clip (HLN9714)	N/C
H301	Omit Standard Belt Clip	-$5.00

STEP 4:

Antenna Choices:

STDANT0672	Standard Antenna (LB NAB6064, VHF NAD6502_R & UHF NAE6483_R)	N/C
Q46	VHF 148-161 MHz ONLY Whip Antenna (Enhanced Perf., 7.5" - NAD6579)	N/C
QA00062	UHF 430-470 MHz Stubby Antenna (PMAE4003)	-$2.00
H112	Omit Standard Antenna (LowBand, VHF & UHF)	-$3.50

STEP 5:

Shipping Box Choices:

STDBOX0672	Standard Model Box	N/C
H415	Bulk Packaging (minimum 10 units per line item)	N/C

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE

General Options:

QA00097	Remote Speaker Microphone with Coiled Cord & Swivel Clothing Clip - Intrinsically Safe (FM) (AAHMN9052)	$66.25
QA00100	Noise Cancelling Remote Speaker Microphone with Coiled Cord, Swivel Clothing Clip & 3.5mm Audio Jack - Intrinsically Safe (FM) (AAHMN9053)	$72.50

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Date 1/9/06

SUGGESTED RETAIL

HT750™ PORTABLE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
General Options continued:		
QA00101	2-Wire Comfort Earpiece with Combined Microphone and PTT, Black. Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise Enhancement (NTN8371) already attached for extra comfort and convenience (RLN5315).	$108.00
QA00102	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM) (AARMN4018)	$100.00
QA00103	Travel Charger (includes voltage regulated lighter adapter, custom charger base, coil cord and mounting bracket - RLN4883)	$89.25
Q663	Mandown Option Board - 16 Channel Models ONLY - installed at Distribution Center. Available on Intrinsically Safe (FM) and Non-Intrinsically (FM) radios. Board must be programmed with ENVN4025 (Software) and 6880309K87 (Instructions), both sold separately.	$160.00
Q884	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$31.00
H886	Express Service Plus Plan (ESP) 3 Year - Provides for 3 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$89.00

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Date 1/27/06

SUGGESTED RETAIL

HT1250™ PORTABLE

LowBand, VHF & UHF Models

All HT1250 portable models include:

- **Standard Battery (VHF/UHF NiMH, 1500 mAH, 7.5V - HNN9008_R & LB NiMH, 1900 mAh, 7.5V - HNN9009_R)**
- **Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)**
- **Standard Antenna (LB NAB6064, VHF NAD6502_R & UHF NAE6483_R)**
- **2.5" Belt Clip (HLN9714)**
- **Two Year Warranty**
- **Operating Instruction Manual**

Features:

- **Up to 128 Channels (16 Zones)**
- **12.5/25 kHz Switchable Channel Spacing (VHF/UHF)**
- **20/30 kHz Switchable Channel Spacing (LowBand)**
- **14 Character Alphanumeric Display**
- **3 Programmable Side Buttons**
- **3 Programmable Front Buttons**
- **Battery Status/Emergency Top Button**
- **X-Pand™ Technology**
- **Busy Channel Lockout**
- **Time-Out-Timer**
- **Internal VOX**
- **Adjustable Power Levels**
- **Dual Priority Scan**
- **Clock and Alarm**
- **Option Board Expandability**
- **Quik Call II (Encode/Decode)**
- **MDC1200 Call Alert (Encode/Decode)**
- **MDC1200 Selective Call (Encode/Decode)**
- **MDC1200 PTT-ID (Alphanumeric ID - Encode/Decode)**
- **MDC1200 Radio Check (Encode/Decode)**
- **MDC1200 Select Radio Inhibit (Decode)**
- **MDC1200 Emergency (Encode)**
- **Escalert Call Features**

Programmable Buttons:

- **High/Low Power**
- **Channel Scan**
- **Squelch Levels**
- **Repeater/Talkaround**
- **Monitor**
- **Emergency**
- **Light**
- **Radio Call**
- **Battery Status**
- **Keypad Lock**
- **Volume Set**
- **Telephone Interconnect**

The following frequencies are not allowed:

31.54	151.200	420.000	453.600	470.400	507.875
34.00	168.000	420.005	453.605	483.320	511.755
36.34	403.195	436.795	457.805	494.955	
42.68	403.200	436.800	459.905	498.830	
46.84	403.205	436.805	468.300	502.710	
48.84	419.195	453.595	469.105	504.000	

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
29.7-42 MHz	LowBand	1W to 6W (ships 6W)	128	AAH25BEF9AA5_N (Display-Ltd Keypad)	$940
35-50 MHz	LowBand	1W to 6W (ships 6W)	128	AAH25CEF9AA5_N (Display-Ltd Keypad)	$940
136-174 MHz	VHF	1W to 5W (ships 5W)	128	AAH25KDF9AA5_N (Display-Ltd Keypad)	$900
				AAH25KDH9AA6_N (Display-Full Keypad)	$990
403-470 MHz	UHF	1W to 4W (ships 4W)	128	AAH25RDF9AA5_N (Display-Ltd Keypad)	$955
				AAH25RDH9AA6_N (Display-Full Keypad)	$1,045
450-512 MHz	UHF		128	AAH25SDF9AA5_N (Display-Ltd Keypad)	$955
				AAH25SDH9AA6_N (Display-Full Keypad)	$1,045

FCC INFORMATION AZ489FT1625 (29.7-42/35-50 MHz) / AZ489FT3794 (136-174 MHz) / AZ489FT4826 (403-470 MHz) / AZ489FT4834 (450-512 MHz)

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Date 1/9/06

SUGGESTED RETAIL

HT1250™ PORTABLE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE

INTRINSICALLY SAFE (FM): Q390 (HNN9010_R) and H236 (HNN9011_R) are rated Intrinsically Safe for use in Division 1, Classes I, II, III, Groups C, D, E, F and G.

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

STEP 1:

Battery Choices:

STDBAT0749	Standard Battery (VHF & UHF NiMH, 1500 mAh, 7.5V - HNN9008_R & LB NiMH, 1900 mAh, 7.5V - HNN9009_R)	N/C
Q390	NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN9010_R)	$62.00
Q508	NiMH, 1900 mAh, 7.5V Battery (HNN9009_R)	$13.00
H236	NiCd, 1200 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN9011_R)	$53.00
H225	NiCd, 1300 mAh, 7.5V Battery (HNN9012_R)	$5.00
H229	Li-ion, 1500 mAh, 7.5V Battery (HNN9013_R)	$40.00
	impres™ Batteries:	
QA00051	impres™, NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN4002)	$70.00
QA00059	impres™, NiMH, 1900 mAh, 7.5V Battery (HNN4001)	$22.00
QA00060	impres™, Li-ion, 2000 mAh, 7.5V Battery (HNN4003)	$48.00

STEP 2:

Charger Choices:

STDCHG0749	Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)	N/C
H951	Omit 120 Volt Rapid Rate Charger	-$20.00
	impres™ Charger:	
QA00061	impres™ Single Unit Charger (WPLN4182)	$35.00

STEP 3:

Carry Holder Choices:

STDBLT0749	Standard Belt Clip (HLN9714)	N/C
H301	Omit Standard Belt Clip	-$5.00

STEP 4:

Antenna Choices:

STDANT0749	Standard Antenna (LB NAB6064, VHF NAD6502_R & UHF NAE6483_R)	N/C
Q46	VHF 148-161 MHz ONLY Whip Antenna (Enhanced Perf., 7.5" - NAD6579)	N/C
QA00062	UHF 430-470 MHz Stubby Antenna (PMAE4003)	-$2.00
H112	Omit Standard Antenna (LowBand, VHF & UHF)	-$3.50

STEP 5:

Shipping Box Choices:

STDBOX0749	Standard Model Box	N/C
H415	Bulk Packaging (minimum 10 units per line item)	N/C

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE

General Options:

QA00097	Remote Speaker Microphone with Coiled Cord & Swivel Clothing Clip - Intrinsically Safe (FM) (AAHMN9052)	$66.25
QA00100	Noise Cancelling Remote Speaker Microphone with Coiled Cord, Swivel Clothing Clip & 3.5mm Audio Jack - Intrinsically Safe (FM) (AAHMN9053)	$72.50

HT1250™ PORTABLE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
General Options continued:		
QA00101	2-Wire Comfort Earpiece with Combined Microphone and PTT, Black. Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise Enhancement (NTN8371) already attached for extra comfort and convenience (RLN5315).	$108.00
QA00102	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM) (AARMN4018)	$100.00
QA00103	Travel Charger (includes voltage regulated lighter adapter, custom charger base, coil cord and mounting bracket - RLN4883)	$89.25
Q663	Mandown Option Board - installed at Distribution Center. Available on Intrinsically Safe (FM) and Non-Intrinsically (FM) radios. Board must be programmed with ENVN4025 (Software) and 6880309K87 (Instructions), both sold separately.	$160.00
Q884	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$31.00
H886	Express Service Plus Plan (ESP) 3 Year - Provides for 3 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$89.00

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SUGGESTED RETAIL

EX500™ PORTABLE
VHF & UHF Models - 12.5/20/25 kHz

All EX500 portable models include:

- **Standard Battery (Li-ion, 1300 mAh, 7.5V - JMNN4024_R)**
- **Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)**
- **Standard Antenna (VHF option must be ordered / UHF NAE6483_R)**
- **Carry Holster (JMZN4023)**
- **Three Year Warranty**
- **Operating Instruction Manual**

Feature Highlights:

- **16 Channel Capability**
- **12.5/20/25 kHz Switchable Channel Spacing**
- **Small Size and Light Weight**
- **2 Programmable Side Buttons**
- **Top Emergency Button**
- **X-Pand™ Technology**
- **Internal VOX**
- **Adjustable Power Levels**
- **Priority Scan**
- **Emergency Siren**
- **Quik Call II (Decode)**
- **MDC1200 Emergency Signaling (Encode)**
- **MDC1200 Call Alert (Decode)**
- **MDC1200 PTT ID (Encode)**
- **MDC1200 Selective Call (Decode)**
- **MDC1200 Radio Check (Decode)**
- **MDC1200 Selective Radio Inhibit (Decode)**

Programmable Buttons:

- **High Power / Low Power**
- **Channel Scan**
- **Squelch Levels**
- **Repeater / Talkaround**
- **Monitor**
- **Emergency Siren / Signal**
- **Volume Set**

The following frequencies are not allowed:

151.200	403.200	420.000	436.805	470.405
151.205	403.205	422.580	453.595	487.195
167.995	407.075	432.925	453.600	487.200
168.000	412.250	436.795	453.605	487.205
168.005	414.835	436.800	470.395	504.000

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
136-174 MHz	VHF	1W to 5W (ships 5W)	16	AAH38KDC9AA3_N	$916
403-470 MHz	UHF	1W to 4W (ships 4W)	16	AAH38RDC9AA3_N	$975
450-512 MHz				AAH38SDC9AA3_N	$975

FCC INFORMATION: AZ489FT3801 (136-174 MHz) / AZ489FT4844 (403-470 MHz) / AZ489FT4845 (450-512 MHz)

SUGGESTED RETAIL

EX600·XLS™ PORTABLE

VHF & UHF Models - 12.5/20/25 kHz

All EX600·XLS portable models include:
- **Standard Battery (Li-ion, 1300 mAh, 7.5V - JMNN4024_R)**
- **Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)**
- **Standard Antenna (VHF option must be ordered / UHF NAE6483_R)**
- **Carry Holster (JMZN4023)**
- **Three Year Warranty**
- **Operating Instruction Manual**

Features:
- **Up to 160 Conventional Channels and/or 15 Trunked Zones**
- **Up to 99 Channels per Conventional Zone and up to 16 Talkgroups per LTR® Zone**
- **12.5/20/25 kHz Switchable Channel Spacing**
- **Small Size and Light Weight**
- **14 Character Alphanumeric Display**
- **Telephone Interconnect and Full DTMF Keypad with Menu Keys**
- **2 Programmable Side Buttons**
- **3 Programmable Front Buttons**
- **Programmable Emergency Button**
- **X-Pand™ Technology**
- **Internal VOX**
- **Priority or Dual Priority Scan (Conv. Only)**
- **Channel/Zone Selection Programmable on Top or Front of the radio**
- **Busy Channel Lockout**
- **Home Channel Revert (LTR® Operation Only)**
- **Clock and Alarm**
- **Adjustable Power Levels**
- **Battery Gauge and RSSI Indicator**
- **Quik Call II Encode/Decode (Conv. Only)**

Programmable Buttons:
- **High/Low Power**
- **Channel Scan**
- **Repeater/Talkaround**
- **Home Channel Revert Auto Key (LTR® Mode)**
- **Monitor**
- **Emergency**
- **Light**
- **Radio Call**
- **Tight/Normal Squelch**
- **Keypad Lock**
- **Volume Set**
- **Speed Dial**

MDC Signaling on Conventional and LTR® Modes:
- **MDC1200 Emergency Signaling (Encode)**
- **MDC1200 Call Alert (Encode/Decode)**
- **MDC1200 PTT-ID (Alphanumeric ID - Encode/Decode)**
- **MDC1200 Selective Call (Encode/Decode)**
- **MDC1200 Radio Check (Encode/Decode)**
- **MDC1200 Selective Radio Inhibit (Decode)**

The following frequencies are not allowed:

151.200	403.200	420.000	436.805	470.405
151.205	403.205	422.580	453.595	487.195
167.995	407.075	432.925	453.600	487.200
168.000	412.250	436.795	453.605	487.205
168.005	414.835	436.800	470.395	504.000

BAND SPLIT	BAND	PWR	CONV CHAN	TRUNK ZONES/ TALKGROUPS	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
136-174 MHz	VHF	1W to 5W (ships 5W)	160	15/16	AAH38KDH9DU6_N	$1,015
403-470 MHz	UHF		160	15/16	AAH38RDH9DU6_N	$1,075
450-512 MHz				15/16	AAH38SDH9DU6_N	$1,075

FCC INFORMATION AZ489FT3801 (136-174 MHz) / AZ489FT4844 (403-470 MHz) / AZ489FT4845 (450-512 MHz)

EX500™/EX600·XLS™ PORTABLE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE

INTRINSICALLY SAFE (FM): H236 (JMNN4025_R) is rated Intrinsically Safe for use in Division 1, Classes I, II, III, Groups C, D, E, F and G.

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

STEP 1:

Battery Choices:

STDBAT0004	Standard Battery (Li-ion, 1300 mAh, 7.5V - JMNN4024_R)	N/C
H236	NiMH, 700 mAh, 7.5V Battery - (5 Hour Average Battery Life with 5/5/90 Duty Cycle) - Intrinsically Safe (FM) (JMNN4025_R)	-$9.50
H229	Li-ion, 1000 mAh, 7.5V Slim Battery (JMNN4023_R)	-$13.50

STEP 2:

Charger Choices:

STDCHG0004	Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)	N/C
H951	Omit 120 Volt Rapid Rate Charger	-$20.00

STEP 3:

Carry Holder Choices:

STDBLT0004	Standard Carry Holster (JMZN4023)	N/C
H317	Omit Standard Carry Holster	-$3.50

STEP 4:

Antenna Choices:

STDANT0004	Standard Antenna (UHF only - NAE6483_R)	N/C
Q634	VHF 150-162 MHz Broadband Antenna (NAD6502_R)	N/C
H128	VHF 136-155 MHz Helical Antenna (8504762J01)	N/C
Q46	VHF 148-161 MHz ONLY Whip Antenna (Enhanced Perf., 7.5" - NAD6579)	N/C
H65	VHF 150-161 MHz Helical Antenna (PMAD4023)	N/C
H129	VHF 155-174 MHz Helical Antenna (8504762J02)	N/C
QA00062	UHF 430-470 MHz Stubby Antenna (PMAE4003)	-$2.00
H112	Omit Standard VHF & UHF Antenna	-$3.50

STEP 5:

Shipping Box Choices:

STDBOX0004	Standard Model Box	N/C
H415	Bulk Packaging (minimum 20 units per line item)	N/C

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE

General Options:

Q884	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$27.00

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HT1550·XLS™ PORTABLE

SUGGESTED RETAIL

VHF/UHF LTR® Models - Switchable 12.5/20/25 kHz

All HT1550•XLS portable models include:

- **Standard Battery (NiMH, 1500 mAh, 7.5V - HNN9008_R)**
- **Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)**
- **Standard Antenna (VHF NAD6502_R / UHF NAE6483_R)**
- **2.5" Belt Clip (HLN9714)**
- **Two Year Warranty**
- **User Guide**

Features:

- **Up to 160 Conventional Channels and/or 15 Trunked Zones**
- **Up to 99 Channels per Conventional Zone and up to 16 Talkgroups per LTR® Zone**
- **Front Panel Programmable (when using Q409 option or NNTN4503_R)**
- **Four Line 14 Character Alphanumeric Display**
- **7 Programmable Buttons with 23 Selectable Features**
- **Channel / Zone Selection Programmable on Top or Front of the Radio**
- **12.5/25 kHz Switchable Channel Spacing**
- **X-Pand™ Technology**
- **Internal VOX**
- **Telephone Interconnect**
- **Built in Voice Storage with Answer Mode**
- **Internal Noise Cancelling Microphone**
- **Home Channel Revert (LTR® Operation Only)**
- **Home Channel Revert Auto Key (LTR® Operation Only)**
- **Dual Priority Scan (Conv. Only)**
- **Status Message**
- **Quik Call II (Conv. Only)**
- **Call Stacking**

MDC Signaling on Conventional and LTR® Modes:

- **MDC1200 Call Alert (Encode/Decode)**
- **MDC1200 Selective Call (Encode/Decode)**
- **MDC1200 PTT-ID (Alphanumeric ID - Encode/Decode)**
- **MDC1200 Radio Check (Encode/Decode)**
- **MDC1200 Selective Radio Inhibit (Decode)**
- **MDC1200 Emergency (Encode)**
- **MDC1200 Emergency (Encode/Decode - Decode available only with Firmware R05.08.02 and CPS R06.05.00 or later)**

The following frequencies are not allowed:

151.200	419.195	436.805	470.400	504.000
168.000	420.000	453.595	472.505	507.880
403.195	420.005	453.600	494.950	510.305
403.200	436.795	453.605	498.835	511.755
403.205	436.800	459.900	502.710	

BAND SPLIT	BAND	PWR	TRUNK ZONES/ TALKGROUPS	CONV CHAN	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
136-174 MHz	VHF	1W to 5W (ships 5W)	15/16	160	AAH25KDN9DU8_N	$1,050
403-470 MHz	UHF	1W to 4W (ships 4W)	15/16	160	AAH25RDN9DU8_N	$1,100
450-512 MHz	UHF	1W to 4W	15/16	160	AAH25SDN9DU8_N	$1,100

FCC INFORMATION AZ489FT3794 (136-174 MHz) / AZ489FT4826 (403-470 MHz) / AZ489FT4834 (450-512 MHz)

LTR® is a registered trademark of E.F. Johnson Co.

HT1550·XLS™ PORTABLE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE

INTRINSICALLY SAFE (FM): Q390 (HNN9010_R) and H236 (HNN9011_R) are rated Intrinsically Safe for use in Division 1, Classes I, II, III, Groups C, D, E, F and G.

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

STEP 1:

Battery Choices:

STDBAT0841	Standard Battery (NiMH, 1500 mAh, 7.5V - HNN9008_R)	N/C
Q390	NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN9010_R)	$62.00
Q508	NiMH, 1900 mAh, 7.5V Battery (HNN9009_R)	$13.00
Q409	NiMH, 1500 mAh, 7.5V Battery - Front Panel Programmable (NNTN4503_R)	$33.00
H236	NiCd, 1200 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN9011_R)	$53.00
H225	NiCd, 1300 mAh, 7.5V Battery (HNN9012_R)	$5.00
H229	Li-ion, 1500 mAh, 7.5V Battery (HNN9013_R)	$40.00
	impres™ Batteries:	
QA00051	impres™, NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN4002)	$70.00
QA00059	impres™, NiMH, 1900 mAh, 7.5V Battery (HNN4001)	$22.00
QA00060	impres™, Li-ion, 2000 mAh, 7.5V Battery (HNN4003)	$48.00

STEP 2:

Charger Choices:

STDCHG0841	Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)	N/C
H951	Omit 120 Volt Rapid Rate Charger	-$20.00
	impres™ Charger:	
QA00061	impres™ Single Unit Charger (WPLN4182)	$35.00

STEP 3:

Carry Holder Choices:

STDBLT0841	Standard Belt Clip (HLN9714)	N/C
H301	Omit Standard Belt Clip	-$5.00

STEP 4:

Antenna Choices:

STDANT0841	Standard Antenna (VHF NAD6502_R / UHF NAE6483_R)	N/C
Q46	VHF 148-161 MHz ONLY Whip Antenna (Enhanced Performance, 7.5" - NAD6579)	N/C
QA00062	UHF 430-470 MHz Stubby Antenna (PMAE4003)	-$2.00
H112	Omit Standard Antenna	-$3.50

STEP 5:

Shipping Box Choices:

STDBOX0841	Standard Model Box	N/C
H415	Bulk Packaging (minimum 10 units per line item)	N/C

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE

General Options:

QA00097	Remote Speaker Microphone with Coiled Cord & Swivel Clothing Clip - Intrinsically Safe (FM) (AAHMN9052)	$66.25
QA00100	Noise Cancelling Remote Speaker Microphone with Coiled Cord, Swivel Clothing Clip & 3.5mm Audio Jack - Intrinsically Safe (FM) (AAHMN9053)	$72.50

SUGGESTED RETAIL

HT1550·XLS™ PORTABLE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
General Options continued:		
QA00101	2-Wire Comfort Earpiece with Combined Microphone and PTT, Black. Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise Enhancement (NTN8371) already attached for extra comfort and convenience (RLN5315).	$108.00
QA00102	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM) (AARMN4018)	$100.00
QA00103	Travel Charger (includes voltage regulated lighter adapter, custom charger base, coil cord and mounting bracket - RLN4883)	$89.25
Q884	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$31.00
H886	Express Service Plus Plan (ESP) 3 Year - Provides for 3 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$89.00

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SUGGESTED RETAIL

PR1500 PORTABLE

VHF & UHF Models

All PR1500 portable models include:

- **Standard Battery (NiCD, 1525 mAh, 7.5V Battery - NTN9815)**
- **Standard Charger (Single Unit, Universal Rapid Charge 110V - NTN1667)**
- **Standard Antenna (UHF Whip - NAE6549_R / VHF Must Choose Option)**
- **2.25" Belt Clip (HLN6853)**
- **Remote Speaker Microphone Adapter (4385665D01)**
- **Accessory Connector Dust Cover (1505579Z01)**
- **User Guide CD (9964416H07)**
- **Two Year Warranty**

Features:

- **32 Channels**
- **12.5/25 kHz Switchable Channel Spacing (VHF/UHF)**
- **3 Programmable Side Buttons**
- **1 Programmable Top Button**
- **16 Position Rotary Mode Select Switch**
- **Top Mount Concentric 3 Position Programmable Switch**
- **Dual Priority Scan**
- **Operator Selectable Scan**
- **Noise Reduction Software**
- **Bi-Color LED Indicator**
- **Weather Sealed Universal Accessory Connector**
- **Audio Gain Control**
- **Standard & Non Standard PL/DPL Code Capable**
- **MDC1200 PTT-ID (Encode)**
- **MDC1200 Radio Check (Decode)**
- **MDC1200 Emergency (Encode)**
- **MDC1200 Silent Emergency (Encode)**
- **MDC1200 Call Alert (Decode)**
- **MDC1200 Selective Call (Decode)**
- **MDC1200 Select Radio Inhibit (Decode)**

Programmable Buttons:

- **Emergency**
- **Monitor**
- **Repeater Talkaround**
- **Scan**
- **Dynamic Priority**
- **Volume Set**
- **Nuisance Channel Delete**

The following frequencies are not allowed:

386.400	414.000	436.800	450.000
396.000	420.000	438.000	453.600
401.000	426.000	440.000	456.000
403.200	432.000	444.000	468.000
			462.000

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
136-174 MHz	VHF	1W to 5W (ships 5W)	32	AAH79KDC9PW5_N	$1,200
380-470 MHz	UHF	1W to 5W (ships 5W)	32	AAH79QDC9PW5_N	$1,250
450-520 MHz	UHF	1W to 5W (ships 5W)	32	AAH79SDC9PW5_N	$1,250

FCC INFORMATION: AZ489FT3807 (VHF 136-174 MHz) / AZ489FT4865 (380-470 MHz) / AZ489FT4866 (450-520 MHz)

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Date 1/9/06

SUGGESTED RETAIL

PR1500 PORTABLE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF SUGG RETAIL PRICE

INTRINSICALLY SAFE (FM): H223 (NTN9816) and Q393 (NTN9857) are rated Intrinsically Safe for use in Division 1, Class I, II, III, Groups C,D,E,F,G and nonincendive use in Division 2, Class I, groups A,B,C,D Temp code T3C.

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

STEP 1:

Battery Choices:

STDBAT0626	Standard Battery (NiCD, 1525 mAh, 7.5V Battery - NTN9815)	N/C
H223	NiCD, 1525 mAh, 7.5V Battery, Intrinsically Safe (NTN9816)	$49.00
H335	NiMH, 1800 mAh, 7.5V Battery (NTN9858)	$60.00
Q393	NiMH, 1800 mAh, 7.5V Battery, Intrinsically Safe (NTN9857)	$82.00

STEP 2:

Charger Choices:

STDCHG0626	Standard Charger (Single Unit, Universal Tri-Chemistry, Rapid Charge 110V (NTN1667)	N/C
H951	Omit Standard Charger	-$20.00

STEP 3:

Carry Holder Choices:

STDBLT0626	Standard 2.25" Belt Clip (HLN6853)	N/C
H301	Omit Standard Belt Clip	-$5.00

STEP 4:

Antenna Choices:

STDANT0626	Standard Antenna (UHF NAE6549_R)	N/C
H150	VHF 136-174 MHz, Wideband Dipole 7.5" (8505518V01)	N/C
H65	VHF 162-174 MHz, Wideband Helical (NAD6568)	N/C
H129	VHF 150.8-162 MHz, Wideband Helical (NAD6567)	N/C
H128	VHF 136-150.8 MHz, Wideband Helical (NAD6566)	N/C
H112	Omit Standard VHF/UHF Antenna	-$3.50

STEP 5:

Shipping Box Choices:

STDBOX0626	Standard Model Box	N/C
H415	Bulk Packaging (minimum 10 units per line item)	N/C

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
General Options:		
QA000185	Remote Speaker Microphone with 3.5mm Audio Jack (NMN6193)	$87.25
QA000186	Noise Cancelling Remote Speaker Microphone with 3.5mm Audio Jack (NMN6191)	$96.75
QA000187	Remote Speaker Microphone with Emergency Button (RMN5038)	$120.00
Q884	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$34.00
H885	Express Service Plus Plan (ESP) 2 Year - Provides for 2 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$67.00

PROFESSIONAL PORTABLE

Date 1/27/06

SUGGESTED RETAIL

ACCESSORIES

DTR550/DTR650	PR400	PR860	HT750/HT1250	EX500/EX600·XLS	HT1550·XLS	PR1500	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
INTRINSICALLY SAFE (FM): JMNN4025_R (H236), NTN4852 (Q795/Q869), HNN9010_R (Q390), NTN9857 (Q393), HNN9011_R (H236), NTN9816 (H223) & HNN4002 (QA00051) are rated Intrinsically Safe for use in Division 1, Classes I, II, III, Groups C, D, E, F and G.									
							Batteries and Accessories:		
				X			JMNN4025_R	NiMH, 700 mAh, 7.5V Battery - (5 Hour Average Battery Life with 5/5/90 Duty Cycle) - Intrinsically Safe (FM)	$95.00
		X	X		X		WPNN4045_R	NiMH, 1200 mAh, 7.5V Battery	$54.00
	X						NNTN4852	NiMH, 1300 mAh, 7.5V Battery - Intrinsically Safe (FM) (only comp. with WPLN4138_R & WPLN4161_R)	$110.00
	X						NNTN4851	NiMH, 1400 mAh, 7.5V Battery (comp. with WPLN4138_R & WPLN4161_R)	$63.00
		X	X		X		HNN9008_R	NiMH, 1500 mAh, 7.5V Battery (not compatible with LowBand models - Resale Packaging available through RPSD)	$64.00
					X		NNTN4503_R	NiMH, 1500 mAh, 7.5V Battery - Front Panel Programmable	$95.00
		X	X		X		HNN9010_R	NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM)	$115.00
		X	X		X		HNN9009_R	NiMH, 1900 mAh, 7.5V Battery	$75.00
						X	NTN9858	NiMH, 1800 mAh, 7.5V Battery	$121.00
						X	NTN9857	NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM)	$142.00
	X						NNTN4496_R	NiCd, 1100 mAh, 7.2V Battery	$60.00
		X	X		X		HNN9011_R	NiCd, 1200 mAh, 7.5V Battery - Intrinsically Safe (FM)	$111.00
		X	X		X		HNN9012_R	NiCd, 1300 mAh, 7.5V Battery (Resale Packaging available through RPSD)	$65.00
						X	NTN9815	NiCd, 1525 mAh, 7.5V Battery	$100.00
						X	NTN9816	NiCd, 1525 mAh, 7.5V Battery - Intrinsically Safe (FM)	$121.00
				X			JMNN4023_R	Slim Li-ion, 1000 mAh, 7.5V Battery	$89.00
	X						NNTN4970	Slim Li-ion, 1600 mAh, 7.2V Battery (comp. with WPLN4138_R & WPLN4161_R)	$105.00
X							53963	Li-ion, 1200 mAh, 3.6V Battery	$45.00
				X			JMNN4024_R	Li-ion, 1300 mAh, 7.5V Battery	$108.00
X							53964	Li-ion, 1500 mAh, 3.6V Battery	$70.00
		X	X		X		HNN9013_R	Li-ion, 1500 mAh, 7.5V Battery (Resale Packaging available through RPSD)	$100.00
	X						NNTN4497_R	Li-ion, 2250 mAh, 7.5V Battery (only comp. with WPLN4138_R & WPLN4161_R)	$85.00
							impres™ - Intelligent Motorola Portable Radio Energy System: **The impres™ smart energy system ensures maximum talk-time and optimized battery cycle life through the use of its advanced charging technology and automatic reconditioning features.**		
		X	X		X		HNN4002	IMPRES™, NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM)	$125.00
		X	X		X		HNN4001	IMPRES™, NiMH, 1900 mAh, 7.5V Battery	$82.00
		X	X		X		HNN4003	IMPRES™, Li-ion, 2000 mAh, 7.5V Battery	$108.00
							Carry Cases and Accessories:		
				X			PMLN4421	Soft Leather Case with Fixed Swivel Clip (EX500 models only)	$20.00
				X			PMLN4521	Soft Leather Case with Fixed Swivel Clip & D-Rings (EX600·XLS models only)	$24.00
	X						RLN5496	Leather DTMF Case with 2.5" Swivel (for use with Full Display models)	$45.00
	X						RLN5641	Leather DTMF Case with 2.5" Swivel (for use with Limited Display models)	$45.00
	X						RLN5497	Leather DTMF Case with 3" Swivel (for use with Full Display models)	$45.00
	X						RLN5642	Leather DTMF Case with 3" Swivel (for use with Limited Display models)	$45.00
	X						RLN5498	Leather DTMF Case with Belt Loop (for use with Full Display models)	$39.00
	X						RLN5640	Leather DTMF Case with Belt Loop (for use with Limited Display models)	$39.00

PROFESSIONAL PORTABLE

Date 1/9/06

SUGGESTED RETAIL

ACCESSORIES

DTR550/DTR650	PR400	PR860	HT750/HT1250	EX500/EX600·XLS	HT1550·XLS	PR1500	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
							Carry Cases and Accessories continued:		
				X			PMLN4471	Hard Leather Case with Swivel & D-Rings (EX500 models only)	$38.00
				X			PMLN4520	Hard Leather Case with Swivel Clip & D-Rings (EX600·XLS models only)	$38.00
		X	X				HLN9665	Leather Case with Belt Loop (HT750 & PR860 - for use with NiMH & NiCd non-impres Batteries & all impres Batteries)	$51.00
	X						RLN5383	Leather Case with Belt Loop (for use with Non-Display models)	$39.00
		X	X				HLN9652	Leather Case with Belt Loop (HT750 & PR860 - for use with Li-ion non-impres Batteries)	$51.00
						X	NNTN4115	Leather Case with High Activity 3" Swivel	$60.00
						X	NNTN4116	Leather Case with High Activity 2.5" Swivel	$60.00
						X	NNTN4117	Leather Case with Belt Loop	$60.00
			X				HLN9689	Leather DTMF Case with Belt Loop (HT750 Keypad & all HT1250 & HT1250•LS+ models - for use with NiMH & NiCd Batteries)	$51.00
					X		HLN9698	Leather DTMF Case with Belt Loop (for use with NiMH & NiCd Batteries)	$51.00
					X		HLN9695	Leather DTMF Case with Belt Loop (for use with Li-ion Batteries)	$51.00
			X				HLN9677	Leather DTMF Case with Belt Loop (HT750 Keypad & all HT1250 & HT1250•LS+ models - for use with Li-ion Batteries)	$51.00
			X				HLN9946	Leather Keypad Case with Belt Loop (Resale Packaging available through RPSD) (HT1250 & HT1250•LS+ Limited Keypad models - for use with NiMH & NiCd Batteries)	$51.00
			X				HLN9945	Leather Keypad Case with Belt Loop (HT1250 & HT1250•LS+ Limited Keypad models - for use with Li-ion Batteries)	$51.00
	X						RLN5384	Leather Case with 2.5" Swivel (for use with Non-Display models)	$45.00
	X						RLN5385	Leather Case with 3" Swivel (for use with Non-Display models)	$45.00
		X	X				HLN9676	Leather Case with Swivel (Resale Packaging available through RPSD) (HT750 & PR860 - for use with NiMH & NiCd non-impres Batteries & all impres Batteries)	$59.00
			X				HLN9998	Leather Keypad Case with Swivel (HT1250 & HT1250•LS+ Limited Keypad models - for use with NiMH & NiCd Batteries)	$59.00
			X				HLN9955	Leather Keypad Case with Swivel (HT1250 & HT1250•LS+ Limited Keypad models - for use with Li-ion Batteries)	$59.00
		X	X				HLN9670	Leather Case with Swivel (HT750 & PR860 - for use with Li-ion non-impres Batteries)	$59.00
			X				HLN9690	Leather DTMF Case with Swivel (HT750 Keypad & all HT1250 & HT1250•LS+ models - for use with Li-ion Batteries)	$59.00
			X				HLN9694	Leather DTMF Case with Swivel (HT750 Keypad & all HT1250 & HT1250•LS+ models - for use with NiMH & NiCd Batteries)	$59.00
					X		HLN9700	Leather DTMF Case with Swivel (for use with NiMH & NiCd Batteries)	$59.00
					X		HLN9699	Leather DTMF Case with Swivel (for use with Li-ion Batteries)	$59.00
		X	X				RLN5213	Leather Case (Accommodates radio adapter with Bluetooth™ Wireless Technology and adapter capable battery - for use with NiMH Batteries)	$59.00
				X			PMLN4470	Nylon Case with Belt Loop & D-Rings (EX500 models only)	$24.00
	X	X	X		X		HLN9701	Nylon Case with Belt Loop (Resale Packaging available through RPSD)	$24.00

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SUGGESTED RETAIL

ACCESSORIES

DTR550/DTR650	PR400	PR860	HT750/HT1250	EX500/EX600·XLS	HT1550·XLS	PR1500	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
							Carry Cases and Accessories continued:		
		X	X		X		RLN4815	Universal RadioPAK™ & Utility Case	$45.00
		X	X		X		4280384F89	Universal RadioPAK™ Belt Lengthener, waist larger 40"	$5.00
				X			JMZN4023	Plastic Holster with Swivel Belt Clip	$10.00
	X						RLN5644	2" Spring Action Belt Clip	$6.00
		X	X				HLN9714	2.5" Spring Action Belt Clip	$11.00
	X						HLN8255	3" Spring Action Belt Clip	$6.00
		X				X	HLN9844	2" Spring Belt Clip	$11.50
						X	HLN6853	2.25" Spring Action Belt Clip	$11.50
X							53961	Swivel Belt Holster	$13.00
	X	X	X		X		HLN6602	Universal Chest Pack with Radio Holder, Pen Holder & Velcro Secured Pocket (HT750, HT1250, HT1250•LS+ & HT1550•XLS - not compatible with UHF models)	$38.00
	X		X				RLN4570	Break-Away Chest Pack	$54.25
	X	X	X				TDN9327	Portable Radio Hanger - for door panels up to 2.75" (slides over and hangs from the door panel in vehicle). Radio Belt Clip is required for use.	$18.00
	X	X	X				TDN9373	Portable Radio Hanger - for door panels from 2.75" to 3.25" (slides over and hangs from the door panel in vehicle). Radio Belt Clip is required for use.	$18.00
		X	X	X	X		HLN9985	Waterproof Bag, includes large carrying strap	$36.00
	X	X	X	X	X	X	NTN5243	Shoulder Strap (for use with Cases with D-Rings)	$20.00
							impres™ - Intelligent Motorola Portable Radio Energy System Chargers: **The impres™ smart energy system ensures maximum talk-time and optimized battery cycle life through the use of its advanced charging technology and automatic reconditioning features, when used with impres™ batteries.**		
		X	X	X	X		WPLN4182	impres™ Single Unit Charger	$62.50
		X	X		X		WPLN4187	impres™ Multi Unit Charger	$495.00
		X	X		X		WPLN4192	impres™ Multi Unit Charger with Display Modules - displays real-time for impres™ batteries - mAh, % capacity, time remaining to rapid charge complete (NiCd/NiMH batteries), battery s/n, charge status, voltage, kit number, expected full charge capacity & more.	$650.00
						X	WPLN4130	impres™ Multi Unit Charger with Display Modules - displays real-time for impres™ batteries - mAh, % capacity, time remaining to rapid charge complete (NiCd/NiMH batteries), battery s/n, charge status, voltage, kit number, expected full charge capacity & more.	$1,350.00
		X	X		X	X	RLN5382	impres™ Charger Display Module - retrofitable on impres™ Multi Unit Chargers	$95.00
						X	WPLN4111_R	impres™ Charger	$165.00
						X	WPLN4108_R	impres™ Multi Unit Charger	$788.00
							Chargers and Accessories:		
X							NNTN4841	3 Hour Charger	$25.00
X							53969	Rapid Charger, 1 Hour	$30.00
X							53962	Drop In Charging Tray	$27.95
X							53960	Multi-Unit Charger	$200.00
		X	X	X	X		AAHTN3000	120 Volt - Single Unit Rapid Rate Charger	$56.75
	X						WPLN4138_R	120 Volt - 90 Minute Rapid Rate Charger	$57.75
	X						WPLN4155_R	120 Volt - 10 Hour Desktop Charger (for use with NNTN4496_R NiCd battery only)	$27.00
						X	NTN1667	110V Single Unit Universal Tri-Chemistry Charger	$100.00
	X						WPLN4161_R	120 Volt - 6 Unit Rapid Rate Charger	$450.00
						X	NTN1177	110 Volt Rapid Multi-Unit Charger (for use with Ni-Cd & NiMH batteries only)	$788.00

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ACCESSORIES

DTR550/DTR650	PR400	PR860	HT750/HT1250	EX500/EX600-XLS	HT1550-XLS	PR1500	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
							Chargers and Accessories continued:		
		X	X	X	X	X	NLN7967	Wall Mount Kit for Multi-Unit Charger	$21.00
		X	X	X	X		WPLN4124_R	Battery Optimizing System II (BOS II) - 90-240 Volt AC, 50/60 Hz, 4 Station Reconditioner. Provides powerful analyzing and reconditioning features. Includes 12 resident programs, a QuickTest™ diagnostic battery state of health program, programmable adapter plates, and much more. Supports NiCd, NiMH, Li-ion and SLA batteries.	$2,106.00
		X	X		X		RL-76345	Adapter Plate BOS I	$115.00
				X			RL-77255	Adapter Plate for use with BOS and BOS II	$115.00
		X	X		X		HLN9793	Charger Insert Spacer - Compatible with "A" version chargers ONLY	$6.30
		X	X		X		HLN9794	Charger Insert Spacer - Compatible with "B", "C" & "D" version chargers ONLY	$6.30
		X	X		X		RLN5233	Hard Wire Vehicular Charger (no Pac-RT functionality)	$270.00
		X	X		X		RLN4883	Travel Charger (includes voltage regulated lighter adapter,	$89.25
							Battery Maintenance Systems (BMS):		
		X	X		X		NDN4005	Battery Maintenance System (BMS) - 110 Volt AC, 50/60 Hz - Three Station Reconditioner. Supports NiCd and NiMH batteries (adapters sold separately).	$499.00
		X	X	X	X		WPLN4079_R	Battery Maintenance System Plus (BMS+) - 110 Volt AC, 50/60 Hz - Six Station Reconditioner. Using interchangeable adapter plates (sold separately), the BMS+ is capable of charging and discharging, analyzing, conditioning, cycle testing, and more. Supports NiCd, NiMH and Li-ion battery chemistries.	$650.00
		X	X		X		WPPN4079_R	BMS Battery Adapter (for use with NiCd & NiMH batteries)	$80.00
				X			WPPN4096_R	BMS Battery Adapter (for use with NiCd, NiMH & Li-ion batteries)	$120.00
		X	X		X		WPPN4080_R	BMS Battery Adapter (for use with NiCd, NiMH & Li-ion batteries)	$120.00
							Conditioning Chargers and Accessories:		
		X	X		X		WPLN4107_R	Motorola Conditioning Charger - Single Unit - includes charger base, removable adapter plate and transformer, 1-2 hour rapid charge.	$70.00
		X	X		X		WPPN4065_R	Motorola Conditioning Charger - Four-Station - 110 Volt, Base only, requires adapter plates (sold separately)	$399.00
		X	X		X		WPPN4082_R	Adapter Plate Only (for use with Motorola Conditioning Chargers)	$15.00
		X	X		X		RLN4814	Vehicular Mounting Bracket - includes hard wire cable with In-Line fuse for use with single unit Motorola Conditioning Chargers	$35.00
		X	X		X		3080384G15	Cigarette Lighter Adapter for Single & Multi Unit Motorola Conditioning Chargers	$7.00
							Vehicular Chargers/Adapters & Accessories:		
		X	X		X		AAEN1006	Vehicular Adapter - VHF (136-174 MHz) provides tri-chemistry charging, supports external speaker, includes microphone and can be used with an external mobile antenna (3dB gain antenna is recommended).	$405.00
		X	X		X		AAEN1007	Vehicular Adapter - UHF (403-470 MHz) provides tri-chemistry charging, supports external speaker, includes microphone and can be used with an external mobile antenna (3dB gain antenna is recommended).	$405.00
X							NNTN6343	Vehicular Battery Charger	$25.00
						X	NTN9176	Vehicular Charger	$390.00
		X	X		X		ENKN4002	Programming Cable for VHF & UHF Vehicular Adapters (required when using external speaker and/or with LS radios)	$143.00
		X	X		X		GSN6059	13 Watt External Speaker	$71.50
		X	X				GKN6270	Power Cable with 10A Fuse	$25.00

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SUGGESTED RETAIL

ACCESSORIES

DTR550/DTR650	PR400	PR860	HT750/HT1250	EX500/EX600-XLS	HT1550-XLS	PR1500	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
							General Accessories:		
		X	X	X	X		RLN4890	Assistive Turning Knobs	$15.75
			X		X		HLN9820	Accessory Dust Cover	$6.60
				X			JMLN4638	Accessory Dust Cover	$6.00
				X			PMLN4455	Audio Accessory Adapter (this allows use of the HT1000 3.5mm audio accessories as noted within the price pages) - Intrinsically Safe (FM)	$43.50
						X	BDN6676	3.5mm Jack Adapter with Quick Disconnect Latch - for use with 1, 2 & 3-wire earpiece and lightweight headset accessories - Intrinsically Safe (FM)	$52.50
						X	NTN7660	Tilt/Man Down Switch	$165.00
						X	BDN6673	Headset Adapter Cable - Intrinsically Safe (FM)	$230.00
						X	NTN8613	Keyload Adapter	$89.25
	X						RLN5500	Accessory Retainer Clip	$10.75
							Headsets and Accessories:		
X							BDN6773	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone	$53.00
		X	X		X		AARMN4018	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM) (Resale Packaging available through RPSD)	$100.00
		X	X		X		AARMN4031	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone - Intrinsically Safe (FM)	$65.00
				X		X	NMN6245	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line Push-to-Talk Switch (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$149.00
				X			JMMN4066	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM)	$115.00
						X	NMN1020	Lightweight Helmet Worn Headset (requires BDN6676) - Intrinsically Safe (FM)	$329.00
	X						HMN9013	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone (Resale Packaging available through RPSD) (PR400 - Intrinsically Safe (FM))	$57.00
	X						RMN4016	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM)	$105.00
	X						RLN5238	NFL Style Lightweight Single Muff Headset with In-Line PTT	$125.00
				X			RLN5590	Lightweight Headset with Boom Microphone (EX500 models only)	$80.00
				X		X	NMN6246	Ultra-Light Headset with Boom Microphone and In-Line Push-to-Talk, Earbud Style Receiver (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$129.00
X							RLN5580	Ultra-Light Headset, behind-the-head with In-Line PTT and Boom Microphone	$55.00
		X	X		X		ENMN4012	Ultra-Light Headset, behind-the-head with In-Line PTT and Boom Microphone - Intrinsically Safe (FM)	$110.00
		X	X		X		AARMN4017	Ultra-Light Headset with Boom Microphone, Earbud Style Receiver - Intrinsically Safe (FM)	$55.00
	X						RLN5411	Ultra-Light Headset, behind-the-head with In-Line PTT and Boom Microphone	$60.00
		X	X		X		ENMN4016	Medium Duty Headset, behind-the-head, with In-Line PTT & Noise Cancelling Boom Microphone, Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$270.00
		X	X		X		AARMN4019	Medium Weight over-the-head Dual Muff Headset with Noise Cancelling Microphone & In-Line PTT - Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$265.00

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SUGGESTED RETAIL

ACCESSORIES

DTR550/DTR650	PR400	PR860	HT750/HT1250	EX500/EX600-XLS	HT1550-XLS	PR1500	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
							Headsets and Accessories continued:		
		X	X		X		AARMN4032	Medium Weight over-the-head Dual Muff Headset with Noise Cancelling Microphone - Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$240.00
						X	NMN6258	Medium Weight Headset, Over-the-Head, with In-Line PTT - Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$389.00
						X	NMN6259	Medium Duty Headset, Behind-the-Head, with In-Line PTT - Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$425.00
	X						HMN9022	Medium Weight Dual Muff Headset, behind-the-head (can be worn with hardhat), Noise Reduction Rating = 24dB	$300.00
	X						HMN9021	Medium Weight Dual Muff Headset, over-the-head, Noise Reduction Rating = 24dB	$230.00
	X						BDN6647	Medium Weight Single Muff Headset with Boom Microphone (PR400 - Intrinsically Safe (FM))	$151.00
	X						BDN6648	Heavy Duty Headset with Noise Cancelling Boom Microphone, behind-the-head (can be worn with hardhat) - Noise Reduction Rating = 24dB	$525.00
				X		X	BDN6645	Heavy Duty Noise Cancelling Boom Microphone Headset with PTT on Earcup - (requires separate adapter cable) - Noise Reduction Rating = 24dB (EX500 & EX600•XLS - requires RKN4093) (PR1500 - requires BDN6673 - Intrinsically Safe (FM))	$439.00
				X		X	BDN6635	Heavy Duty Noise Cancelling Boom Microphone Headset with VOX - Noise Reduction Rating = 24dB (EX500 & EX600•XLS - requires RKN4093) (PR1500 - requires BDN6673)	$906.00
				X		X	BDN6636	Heavy Duty Noise Cancelling Throat Microphone Headset with VOX - Noise Reduction Rating = 24dB (EX500 & EX600•XLS - requires RKN4093) (PR1500 - requires BDN6673 - Intrinsically Safe (FM))	$857.00
		X	X				RMN5047	NFL Style Heavy Duty Headset (HT750, HT1250 & PR860 - requires AAHLN9716 Adapter)	$225.00
	X	X	X	X	X		RMN5015	Racing Headset - Same headset worn by pit crews on the CART racing circuit. Heavy Duty, behind-the-head (can be worn with hardhat) Headset with Noise Cancelling Swivel Boom Microphone. Noise Reduction Rating = 24dB (adapter cable required and sold separately)	$500.00
				X			RKN4093	Adapter Cable (use with RMN5015, BDN6645, BDN6635 & BDN6636 headsets)	$105.00
	X						RKN4090	Adapter Cable for Racing Headset (for use with RMN5015)	$100.00
		X	X		X		RKN4091	Adapter Cable for Racing Headset (for use with RMN5015)	$140.00
						X	RMN5049	Rugged Temple Transducer Headset - features a noise cancelling boom microphone and In-Line PTT	$410.00
		X	X		X		RMN4048	Temple Transducer - Receive audio without covering the ear; behind-the-head style headset allows user to receive audio through the temples. Headset features a noise cancelling boom microphone and In-Line PTT - Intrinsically Safe (FM)	$175.00
						X	RMN4049	Temple Transducer - Receive audio without covering the ear, behind-the-head style headset allows user to receive audio through the temples. Headset features a noise cancelling boom microphone and In-Line PTT - Intrinsically Safe (FM)	$225.00
				X			PMLN4585	Temple Transducer - Receive audio without covering the ear; behind-the-head style headset allows user to receive audio through the temples. Headset features a noise cancelling boom microphone and In-Line PTT - Intrinsically Safe (FM)	$175.00
		X	X		X		RMN5048	Rugged Temple Transducer - Fully adjustable over-the-head style headset allows user to receive audio through the temples. Headset comes with a larger In-Line PTT and a larger noise canceling boom microphone than the standard model - Intrinsically Safe (FM)	$340.00

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ACCESSORIES

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DTR550/DTR650	PR400	PR860	HT750/HT1250	EX500/EX600-XLS	HT1550-XLS	PR1500	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
							Headsets and Accessories continued:		
		X	X		X		AARMN4020	Push-to-Talk or (VOX) Voice Activated Heavy Duty Dual Muff Headset with Noise Cancelling Microphone and PTT on Earcup, Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$525.00
		X	X		X		RMN4051	2-Way Hard-Hat Mount Headset, Black - Noise Reduction Rating = 22dB (requires RKN4097 or RKN4094)	$225.00
		X	X		X		RMN4052	Tactical Headband-Style Headset, Gray - Noise Reduction Rating = 24dB (requires RKN4097 or RKN4094)	$330.00
		X	X		X		RMN4053	Tactical Hard-Hat Mount Headset, Gray - Noise Reduction Rating = 22dB (requires RKN4097 or RKN4094)	$330.00
		X	X		X		RKN4097	In-Line PTT Adapter Cable (for use w/RMN4051, RMN4052 & RMN4053 Headsets)	$199.00
	X						REX4648	Replacement Windscreen (for use with Boom Microphone) and Foam Ear Pad	$7.20
	X						3580371E59	Replacement Windscreen (for use with Boom Microphone) for use with BDN6647	$4.05
	X						5080371E66	Replacement Ear Pads for use with BDN6647	$6.85
							Earpieces:		
	X						RLN4895	2 Piece Surveillance Kit, with Microphone and PTT Combined, Black (2-wire - rubber eartip style)	$114.00
	X						HMN9754	2 Piece Surveillance Kit, with Microphone and PTT Combined, Beige (2-wire - rubber eartip style - Resale Packaging available through RPSD) (PR400 - Intrinsically Safe (FM))	$114.00
		X	X		X		RLN5315	2-Wire Comfort Earpiece with Combined Microphone and PTT, Black Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise enhancement (NTN8371) already attached for extra comfort and convenience.	$108.00
		X	X		X		RLN5316	2-Wire Comfort Earpiece with Combined Microphone and PTT, Beige Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise enhancement (NTN8371) already attached for extra comfort and convenience.	$108.00
	X						RLN5318	2-Wire Comfort Earpiece with Combined Microphone and PTT, Black Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise enhancement (NTN8371) already attached for extra comfort and convenience.	$120.00
	X						RLN5317	2-Wire Comfort Earpiece with Combined Microphone and PTT, Beige Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise enhancement (NTN8371) already attached for extra comfort and convenience.	$120.00
		X	X		X		AARMN4029	2-Wire Surveillance Kit with Microphone & PTT Combined, Black - Intrinsically Safe (FM)	$100.00
		X	X		X		AARMN4022	2-Wire Surveillance Kit with Microphone & PTT Combined, Beige - Intrinsically Safe (FM) - (Resale Packaging available through RPSD)	$100.00
	X						RLN5198AP	2-Wire Surveillance Kit with Clear Comfortable Acoustic Tube, Beige (Resale Packaged)	$125.00
				X		X	BDN6729	2-Wire Surveillance Kit with Microphone and PTT Combined, Black (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$114.00
				X		X	BDN6667	2-Wire Surveillance Kit with Microphone and PTT Combined, Beige (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6673 - Intrinsically Safe (FM))	$114.00

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SUGGESTED RETAIL

ACCESSORIES

DTR550/DTR650	PR400	PR860	HT750/HT1250	EX500/EX600-XLS	HT1550-XLS	PR1500	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
							Earpieces continued:		
				X		X	BDN6731	2-Wire Surveillance Kit with Microphone and PTT Combined with Extra Loud Earphone, Black (exceeds OSHA limits) (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$118.00
				X		X	BDN6669	2-Wire Surveillance Kit with Microphone and PTT Combined with Extra Loud Earphone, Beige (exceeds OSHA limits) (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$118.00
						X	ZMN6032	2-Wire Surveillance Kit with Microphone & PTT Combined, Beige (PR1500 - requires NTN8613 adapter)	$143.00
						X	ZMN6038	2-Wire Surveillance Kit with Microphone and PTT Combined, Beige (PR1500 - requires NTN8613 adapter - exceeds OSHA limits - Extra Loud)	$149.00
		X	X		X		ENMN4014	3-Wire Surveillance Kit with Microphone & PTT Separate, Black - Intrinsically Safe (FM)	$165.00
		X	X		X		ENMN4017	3-Wire Surveillance Kit with Microphone & PTT Separate, Beige - Intrinsically Safe (FM)	$165.00
						X	ZMN6031	3-Wire Surveillance Kit with Microphone & PTT Combined, Beige (PR1500 - requires NTN8613 adapter)	$177.00
						X	ZMN6039	3-Wire Surveillance Kit with Microphone & PTT Combined, Beige (PR1500 - requires NTN8613 adapter - exceeds OSHA limits - Extra Loud)	$190.00
				X		X	BDN6730	3-Wire Surveillance Kit with Microphone and PTT Separate, Black (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$150.00
				X		X	BDN6668	3-Wire Surveillance Kit with Microphone and PTT Separate, Beige (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$150.00
				X		X	BDN6732	3-Wire Surveillance Kit with Microphone & PTT Separate with Extra Loud Earphone, Black (exceeds OSHA limits) (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$135.00
				X		X	BDN6670	3-Wire Surveillance Kit with Microphone and PTT Separate with Extra Loud Earphone, Beige (exceeds OSHA limits) (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$135.00
				X		X	BDN6726	Receive-Only Surveillance Kit, Black (single wire) (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$40.00
				X		X	BDN6664	Receive-Only Surveillance Kit, Beige (single wire) (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$40.00
				X		X	BDN6727	Receive-Only Surveillance Kit with Extra Loud Earphone, Black (single wire, exceeds OSHA limits) (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$42.00
				X		X	BDN6665	Receive-Only Surveillance Kit with Extra Loud Earphone, Beige (single wire, exceeds OSHA limits) (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$42.00

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ACCESSORIES

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DTR550/DTR650	PR400	PR860	HT750/HT1250	EX500/EX600-XLS	HT1550-XLS	PR1500	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
							Earpieces continued:		
				X		X	BDN6728	Receive-Only Surveillance Kit with Volume Control, Black (single wire) (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$53.00
				X		X	BDN6666	Receive-Only Surveillance Kit with Volume Control, Beige (single wire) (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$53.00
X							BDN6774	Earpiece with Microphone (worn over ear with streamlined boom microphone)	$51.00
X							56517	Earpiece with In-Line PTT & Microphone	$25.00
X							56518	Earpiece with Boom Microphone	$25.00
	X						HMN9752	Earpiece with Volume Control (single wire) (PR400 - Intrinsically Safe (FM))	$45.00
	X						HMN9727	Earpiece without Volume Control, Beige (single wire - Resale Packaging available through RPSD) (PR400 - Intrinsically Safe (FM))	$36.00
	X						RLN4894	Earpiece without Volume Control, Black (single wire)	$35.00
	X						PMMN4001	Ultra-Light Earpiece with Boom Microphone and In-Line PTT	$54.00
	X						HLN9132	Earbud (single wire - Receive only - not recommended for use with PL codes above 225 Hz)	$21.00
X							HMN9004	Earbud (single wire - Receive only)	$18.00
X							HMN8435	Earbud with Clip Microphone and PTT (2-wire - transmit & receive)	$40.00
				X			PMLN4519	Earbud with Clip Microphone and PTT, Transmit and Receive - (2-wire - Intrinsically Safe (FM))	$85.00
				X		X	BDN6781	Earbud, Receive Only (single wire) (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$27.00
				X		X	BDN6780	Earbud with Clip Microphone and PTT Combined, Transmit & Receive (2-wire) (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$67.00
	X						HMN9036	Earbud with Clip Microphone and PTT, Transmit & Receive (2-wire - not recommended for use with PL codes above 225 Hz - Resale Packaging is also available through RPSD)	$40.00
		X	X		X		AARLN4885	Receive-Only Foam Earbud with 3.5mm plug - (for use with AAHMN9053, AAHMN9054 & AAHMN9057) - Intrinsically Safe (FM)	$25.00
		X	X		X		AARMN4021	Receive-Only Earpiece without Volume Control, Beige - Intrinsically Safe (FM)	$40.00
		X	X		X		AARMN4028	Receive-Only Earpiece without Volume Control, Black - Intrinsically Safe (FM) (Resale Packaging available through RPSD)	$40.00
		X	X		X		RLN4941	Receive-Only Earpiece with translucent tube, rubber eartip and 3.5mm plug (for use with AAHMN9053, AAHMN9054 & AAHMN9057)	$58.00
		X	X	X	X		RLN4922	Completely Discreet Earpiece Kit - must be used with any standard 2 or 3-wire surveillance kit	$340.00
	X	X	X	X	X		NTN8370	Extreme Noise Earpiece Adapter Kit, Noise Reduction Rating = 24dB - (for use with surveillance accessories)	$32.00
	X	X	X	X	X		NTN8371	Low Noise Earpiece Adapter Kit - (for use with surveillance accessories - clear comfortable earpieces can be added for extra comfort - must be ordered separately through RPSD)	$20.00
	X	X	X	X	X		5080370E97	Replacement Rubber Eartips, Clear - Pack of 25 (for use with NTN8371)	$29.25
	X	X	X	X	X		5080384F72	Replacement Foam Plugs-Pack of 50 (for use with NTN8370), Noise Reduction Rating = 24dB	$47.25

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SUGGESTED RETAIL

ACCESSORIES

DTR550/DTR650	PR400	PR860	HT750/HT1250	EX500/EX600·XLS	HT1550·XLS	PR1500	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
							Earpieces continued:		
				X			PMLN4393	Flexible Ear Receiver with 2.5mm Plug (for use with Remote Speaker Microphone JMMN4073) - contains a flexible earloop and speaker that rests external to the ear	$35.50
		X	X		X		ENMN4013	Flexible Ear Receiver (flexible earloop & speaker that rests external to the ear) - Intrinsically Safe (FM)	$60.00
		X	X		X		WADN4190	Flexible Ear Receiver to be used with the Remote Speaker Microphone or Public Safety Microphone - Intrinsically Safe (FM)	$43.00
				X			BDN6719	Flexible Ear Receiver, Black - Earpiece without Volume Control - (flexible earloop & speaker that rests external to the ear) (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM))	$35.00
	X						BDN6720	Flexible Ear Receiver, Black - Earpiece without Volume Control (flexible earloop & speaker that rests external to ear - Resale Packaging through RPSD)	$35.00
	X	X	X	X	X		RLN4760	Small Custom Earpiece, Right Ear (for use with NTN8371)	$20.50
	X	X	X	X	X		RLN4761	Medium Custom Earpiece, Right Ear (for use with NTN8371)	$20.50
	X	X	X	X	X		RLN4762	Large Custom Earpiece, Right Ear (for use with NTN8371)	$20.50
	X	X	X	X	X		RLN4763	Small Custom Earpiece, Left Ear (for use with NTN8371)	$20.50
	X	X	X	X	X		RLN4764	Medium Custom Earpiece, Left Ear (for use with NTN8371)	$20.50
	X	X	X	X	X		RLN4765	Large Custom Earpiece, Left Ear (for use with NTN8371)	$20.50
							Microphones:		
X							HMN9051	Remote Speaker Microphone with Coiled Cord and Swivel Clothing Clip	$57.75
		X	X		X		AAHMN9052	Remote Speaker Microphone with Coiled Cord & Swivel Clothing Clip - Intrinsically Safe (FM) - (Resale Packaging available through RPSD)	$66.25
		X	X		X		HKN9055	Remote Speaker Microphone Replacement Cable	$40.00
				X			JMMN4073	Remote Speaker Microphone with Coiled Cord and Swivel Clothing Clip - Intrinsically Safe (FM)	$85.00
	X						HMN9030	Remote Speaker Microphone with Coiled Cord and Swivel Clothing Clip - (Resale Packaging available through RPSD) (PR400 - Intrinsically Safe (FM))	$73.50
		X	X		X		RMN5055	Heavy Duty Remote Speaker Microphone with 3.5mm Audio Jack	$110.00
						X	NMN6193	Remote Speaker Microphone with coiled cord, swivel clothing clip and 3.5mm audio jack - Intrinsically Safe (FM)	$87.25
						X	RMN5038	Remote Speaker Microphone with Emergency Button - Intrinsically Safe (FM)	$120.00
							Ear Microphones and Accessories:		
		X	X		X		AAHMN9053	Noise Cancelling Remote Speaker Microphone with Coiled Cord, Swivel Clothing Clip & 3.5mm Audio Jack - Intrinsically Safe (FM) - (Resale Packaging available through RPSD)	$72.50
						X	NMN6191	Noise Cancelling Remote Speaker Microphone with coiled cord, swivel clothing clip & 3.5 mm audio jack - Intrinsically Safe (FM)	$96.75
		X	X		X		AAHMN9057	VHF Public Safety Speaker Microphone with 3.5mm Audio Jack, Volume Switch and Antenna (148-174 MHz Only) - Intrinsically Safe (FM)	$86.25
		X	X		X		AAHMN9054	UHF Public Safety Speaker Microphone with 3.5mm Audio Jack, Volume Switch & Antenna (450-470 MHz Only) - Intrinsically Safe (FM)	$86.25
		X	X		X	X	BDN6677	Ear Microphone, Black (for noise levels up to 95dB) - requires Interface Module - Intrinsically Safe (FM)	$198.00

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ACCESSORIES

DTR550/DTR650	PR400	PR860	HT750/HT1250	EX500/EX600·XLS	HT1550·XLS	PR1500	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
								Ear Microphones and Accessories continued:	
		X	X		X	X	BDN6678	Ear Microphone, Beige (for noise levels up to 95dB) - requires Interface Module - Intrinsically Safe (FM)	$198.00
		X	X		X	X	BDN6641	Ear Microphone, Gray (for high noise levels up to 105dB) - requires Interface Module - Intrinsically Safe (FM)	$247.00
	X						BDN6646	Ear Microphone with PTT Interface Module (PR400 - Intrinsically Safe (FM))	$461.00
	X						BDN6706	Ear Microphone with PTT & VOX Interface Module (External VOX included-selectable switch for PTT or VOX) (PR400 - Intrinsically Safe (FM))	$524.00
				X			BDN6768	Ear Microphone, Black (for noise levels up to 95dB) - requires Interface Module (EX500 & EX600•XLS - Intrinsically Safe (FM))	$198.00
				X			BDN6769	Ear Microphone, Beige (for noise levels up to 95dB) - requires Interface Module (EX500 & EX600•XLS - Intrinsically Safe (FM))	$198.00
				X			BDN6770	Ear Microphone, Gray (for high noise levels up to 105dB) - req. Interface Module (EX500 & EX600•XLS - Intrinsically Safe (FM))	$247.00
				X			JMMN4064	Interface Module for PTT or VOX Operation - Intrinsically Safe (FM)	$347.00
		X	X		X		AARMN4044	Interface Module for PTT Operation Only - Intrinsically Safe (FM)	$284.00
		X	X		X		AARMN4045	Interface Module for PTT or VOX Operation - Intrinsically Safe (FM)	$347.00
	X	X	X	X	X		0180358B38	Finger Push to Talk Switch for Ear Microphone System - Intrinsically Safe (FM)	$52.50
	X	X	X	X	X	X	0180300E83	Body Switch Push to Talk for Ear Microphone System - Intrinsically Safe (FM)	$159.00
						X	BDN6708	Ear Microphone Interface Module, PTT Operation Only - Intrinsically Safe (FM)	$284.00
						X	BDN6671	Ear Microphone Interface Module with Selectable Switch for PTT or VOX Operation - Intrinsically Safe (FM)	$347.00
								CommPort: Integrated Microphone/Receiver: **CommPort Integrated Microphone/Receiver System is a communication device that is intelligible in high noise levels up to 100dB. This device's acoustic technology does not rely on bone conduction for communication.**	
		X	X		X		NTN1722	Integrated Ear Microphone & Receiver System with PTT on Radio Adapter - Intrinsically Safe (FM)	$344.00
		X	X		X		NTN1723	Integrated Ear Microphone & Receiver System with Palm PTT - Intrinsically Safe (FM)	$370.00
		X	X		X		NTN1724	Integrated Ear Microphone & Receiver System with Ring PTT - Intrinsically Safe (FM)	$370.00
		X	X		X		NTN1737	Integrated Ear Microphone & Receiver with Snap-on-Side PTT - Intrins. Safe (FM)	$378.00
		X	X		X		NNTN4187	Integrated Microphone Receiver with Remote Push-to-Talk Body Switch - Intrinsically Safe (FM)	$485.00
						X	NTN1624	Integrated Ear Microphone & Receiver System with Palm PTT - Intrinsically Safe (FM)	$370.00
						X	NTN1625	Integrated Ear Microphone & Receiver System with PTT on Radio Adapter - Intrinsically Safe (FM)	$344.00
						X	NTN1663	Integrated Ear Microphone & Receiver System with Ring PTT - Intrinsically Safe (FM)	$370.00
						X	NTN1736	Integrated Ear Microphone / Receiver with Snap-on-Side PTT - Intrinsically Safe (FM)	$378.00
		X	X		X		NKN6510	Replacement Palm PTT Cable for NTN1624 & NTN1723	$53.00
		X	X		X	X	NKN6512	Replacement Ring PTT Cable for NTN1663 & NTN1724	$60.25
		X	X		X	X	NKN6508	Replacement Cable for NTN1722 & NTN1625	$34.50
		X	X		X	X	NKN6525	Replacement Snap-on-Side PTT Cable for NTN1736 & NTN1737	$75.00

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SUGGESTED RETAIL

DTR550/DTR650	PR400	PR860	HT750/HT1250	EX500/EX600-XLS	HT1550-XLS	PR1500	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
							CommPort: Integrated Microphone/Receiver continued:		
		X	X		X		AAHLN9717	Replacement Audio Adapter with 3.5mm jack for CommPort Integrated Microphone Receiver System	$52.50
		X	X		X		NNTN4188	Replacement Remote PTT Body Switch	$180.00
		X	X		X		NTN8821	CommPort Maintenance Kit - includes Replacement Ear Tubes (qty 10), Windscreens (qty 2) and Microphone Seal Strips (qty 10)	$46.00
		X	X		X		NTN8986	Adhesive Pads (qty 90) for secure attachment to the ear	$23.00
		X	X		X		NTN8988	Ear Straps (qty 10) for secure attachment to the ear	$17.25
							Mag One Audio Accessories:		
	X						PMLN4442	Mag One Earbud with MIC/PTT/VOX Switch	$18.00
	X						PMLN4443_B	Mag One Ear Receiver with MIC/PTT/VOX Switch	$20.00
	X						PMLN4444	Mag One Earset Boom Microphone with PTT/VOX	$26.00
	X						PMLN4445	Mag One Headset with PTT/VOX Switch	$30.00
	X						PMMN4008	Mag One Remote Speaker Microphone	$31.00
							Call Boxes:	**Allows for integration into most existing radio systems and provides direct access to personnel connected to the system. Allows for expansion of security coverage and can help improve response time without the need for additional personnel. Includes a voice instruction message for the user, automatic call box ID and user location identifiers, a courtesy light, easy push-to-talk operation, a silent tamper alert broadcast to security, low battery alert, 40-day standby battery capacity, one 12-volt, 12 amp/hour rechargeable battery, call box keys and tamper resistant screw bits. Pricing does not include radio or installation.**	
							A106.5 Call Boxes - Freestanding. Solar or AC/DC power. The .090 thick, white powder-coated aluminum box measures 6.5' H x 10" W x 5" D. Includes antenna and choice of reflective vinyl message decal.		
	X	X	X	X	X	X	RRDN4588	Solar Powered	$1,999.00
	X	X	X	X	X	X	RRDN4589	AC/DC Powered	$1,969.00
							A144 Call Boxes - Flexibility. Can be wall or pole mounted for convenient accessibility. The .090 thick, white, powder-coated aluminum enclosure measures 4' H x 14" W x 7.5" D. Includes a 6-watt locator LED that converts to a strobe light when callbox is activated. Comes standard with a 10-watt solar panel and choice of large reflective vinyl message decal.		
	X	X	X	X	X	X	RRDN4590	Solar Powered	$2,995.00
	X	X	X	X	X	X	RRDN4591	AC/DC Powered	$2,895.00
							A1 Call Boxes - Field programmable. Mounts on a wall, or on a PVC or aluminum stanchion. Solar or AC/DC power. The .090 thick aluminum enclosure with white powder coat measures 13"H x 9.5"W x 6.5"D. Provides protection against dust and falling rain. For indoor and outdoor use. Includes antenna and set of small reflective decals.		
	X	X	X	X	X	X	RRDN4362	Solar Powered	$2,585.00
	X	X	X	X	X	X	RRDN4363	AC/DC Powered	$2,350.00
	X	X	X	X	X	X	RRDN4364	Solar Powered with PVC Stanchion	$2,850.00
	X	X	X	X	X	X	RRDN4365	Solar Powered with Aluminum Stanchion	$3,175.00
	X	X	X	X	X	X	RRDN4366	AC/DC Powered with Aluminum Stanchion	$2,975.00
							ACB Call Boxes - Push-to-talk communication. No door to open. The indoor/outdoor wall mount aluminum enclosure is .090 thick with white powder coat. It measures 20"H x 14"W x 7.5"D with a thick, clear Lexan face-plate cover. Includes activation ringer, antenna and set of small reflective decals.		
	X	X	X	X	X	X	RRDN4367	Solar Powered	$2,695.00
	X	X	X	X	X	X	RRDN4368	AC/DC Powered	$2,550.00

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SUGGESTED RETAIL

DTR550/DTR650	PR400	PR860	HT750/HT1250	EX500/EX600-XLS	HT1550-XLS	PR1500	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
							Call Boxes continued:		
							A1410 Call Boxes - Self-standing. The .090 thick aluminum stanchion with white powder coat measures 10'H x 14"W x 7.5"D. Thick, clear Lexan faceplate cover and includes an activation ringer, antenna and set of large reflective decals. 10 watt solar panel provides additional charging power to allow the beacon/locator light to function 24 hours a day.		
	X	X	X	X	X	X	RRDN4369	Solar Powered	$3,185.00
	X	X	X	X	X	X	RRDN4370	AC/DC Powered	$2,900.00
							MACPlus Call Boxes - Four-button notification panel. The software-driven system sends automatic audible and digital signals to a dispatch center & is ADA compliant. Alerts the dispatch center every 24 hours with a status report. The powder coated stainless steel enclosure measures 15"H x 11 3/8"W x 7"D and features a self-closing pneumatic/ mechanical door with ADA compliant hinges. Includes activation ringer, help-enroute LED light, set of small reflective decals and a 2"D Call Box pole/wall mounting bracket. Requires RRDN4373 Software Package for programming of Call Buttons. Only one software package is required regardless of number of Call Boxes in system.		
	X	X	X	X	X	X	RRDN4371	Solar Powered	$3,785.00
	X	X	X	X	X	X	RRDN4372	AC/DC Powered	$3,600.00
	X	X	X	X	X	X	RRDN4373	MACPlus Computer Aided Maintenance Software Package	$1,450.00
							Antennas:		
		X	X				NAB6064	LowBand Heliflex Antenna, 29.7-50 MHz	$24.50
	X	X	X	X	X		NAD6502_R	VHF Heliflex Antenna, 150-162 MHz	$11.75
		X	X	X	X		PMAD4012	VHF Stubby Antenna, 136-155 MHz (Red Color Code)	$13.25
	X						HAD9742	VHF Stubby Antenna, 146-162 MHz	$10.75
		X	X	X	X		PMAD4025	VHF Stubby Antenna, 150-161 MHz (Brown Color Code)	$13.25
		X	X	X	X		PMAD4013	VHF Stubby Antenna, 155-174 MHz (Black Color Code)	$13.25
	X						HAD9743	VHF Stubby Antenna, 162-174 MHz	$10.75
		X	X	X	X		8504762J01	VHF Whip Antenna, 136-155 MHz (Red Color Code)	$13.50
		X	X	X	X		NAD6579	VHF Whip Antenna, 148-161 MHz (Enhanced Performance, 7.5")	$13.50
		X	X	X	X		PMAD4023	VHF Whip Antenna, 150-161 MHz (Brown Color Code)	$13.50
		X	X	X	X		8504762J02	VHF Whip Antenna, 155-174 MHz (Black Color Code)	$13.50
						X	8505644V01	VHF Helical Antenna, 136-150.8 MHz	$16.50
						X	8505518V01	VHF Wideband Dipole 7.5", 136-174 MHz	$24.00
						X	8505644V02	VHF Helical Antenna, 150.8-162 MHz	$16.50
						X	8505644V03	VHF Helical Antenna, 162-178 MHz	$16.50
	X						NAE6522_R	UHF Heliflex Stubby Antenna, 438-470 MHz	$12.25
	X						8505816K26	UHF Heliflex Stubby Antenna, Black, Molded, 470-512 MHz	$12.25
		X	X	X	X		PMAE4002	UHF Stubby Antenna, 403-430 MHz (Green Color Code)	$11.25
		X	X	X	X		PMAE4003	UHF Stubby Antenna, 430-470 MHz (Natural Color Code)	$11.25
				X	X		PMAE4006	UHF Stubby Antenna, 465-490 MHz (Orange Color Code)	$14.75
	X	X	X	X	X		NAE6483_R	UHF Whip Antenna, 403-520 MHz	$11.75
						X	NAE6546_R	UHF Helical Antenna, 403-435 MHz	$16.50
						X	NAE6547_R	UHF Helical Antenna, 435-470 MHz	$16.50
						X	NAE6548_R	UHF Helical Antenna, 470-520 MHz	$16.50
						X	NAE6549_R	UHF Helical Antenna, 403-520 MHz	$21.50
							Retrofit Boards:		
		X	X				AAHLN9725	Voice Storage Option Board - Field Install Only	$74.75
		X	X				AAENLN4150	Mandown Option Board - Field Install Only	$150.00
		X	X		X		AAHLN9729	DTMF Decode Option Board - Field Install Only	$104.00
			X				HLN9984	DTMF & Keypad Retrofit Kit for HT750 - 16 Channel Models ONLY	$79.25

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SUGGESTED RETAIL

DTR550/DTR650	PR400	PR860	HT750/HT1250	EX500/EX600-XLS	HT1550-XLS	PR1500	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
							Service Accessories:		
			X	X	X		H5177	Portable & Mobile Programming Software Plus (CPS+) - 3 Year Subscription Package - HVN9025 includes CPS/PPCPS (PassPort® Customer Programming Software), CPS tutorial, reflashing tool and freq. finder application for the HT, EX, CDM & MTX•LS Series. HVN9067 for MTX Series Privacy Plus - includes HT & MTX Series Programming & Test Cable (AARKN4074). Also is compatible with RLN4460 used for radio testing. (HVN9025 is compatible with Windows® 95/98/2000 (SP3 or later version) / Millennium (ME) / Windows NT®. HVN9067 is compatible with Windows® 95/98/Windows NT®.) A Mobile Programming Cable (AARKN4081 or AARKN4083) must be purchased separately. **Note: Software requires a license agreement and is not intended for resale.**	$299.00
	X						RVN4191	Portable & Mobile Programming Software (CPS) - 3 Year Subscription Package - Portables require AAPMKN4004 Programming/Test Cable. Mobiles require one of the following Programming Cables & Adapter: AARKN4081 Programming Cable with FKN8096 Program Adapter, 3080070N01 Programming Cable with FKN8096 Program Adapter or AARKN4083 Programming Cable with FKN8113 Program Adapter **Note: Software requires a license agreement and is not intended for resale.**	$199.00
		X					RVN5022	Portable & Mobile Programming Software (CPS) - 3 Year Subscription Package - PR860. Compatible with Windows® 95/98/2000 (SP3 or later version) / Millennium (ME) / Windows NT®, and Windows XP®. Uses programming cables AARKN44074 (requires Radio Interface Box) or RKN4075 and must be purchased separately if required. **Note: Software requires a license agreement and is not intended for resale.**	$99.00
						X	RVN4181	Portable & Mobile Programming Software (CPS) - 3 Year Subscription Package Programs - PR1500 / MT1500 / XTS1500 / XTS2500 / XTS5000 / SSE5000. Compatible with Windows® 95/98/2000 (SP3 or later version) / Millennium (ME) / Windows NT®, and Windows XP®. Uses Ribless programming cables RKN4105 (USB) or RKN4106 (RS232) and must be purchased separately if required. **Note: Software requires a license agreement and is not intended for resale.**	$265.00
	X						AAPMKN4004	Programming & Test Cable - Programming cables require a Radio Interface Box (RIB), also compatible with RLN4460 used for radio testing.	$50.00
		X	X		X		AARKN4074	Programming & Test Cable - Programming cables require a Radio Interface Box (RIB), also compatible with RLN4460 used for radio testing. (Multi-Language manual)	$63.00
				X			AAJMKN4123	Programming & Test Cable - Progr. cables require a Radio Interface Box (RIB).	$150.00
						X	RKN4105	USB Programming Cable - uses RVN4181 CPS - No RIB Box required.	$237.00
						X	RKN4106	RS232 Programming Cable - uses RVN4181 CPS - No RIB Box required.	$251.00
	X	X	X	X	X		3080369B72	9 Pin PC to Radio Interface Box Cable (IBM AT or compatible)	$52.00
		X	X		X		RKN4075	Ribless Programming Cable - provides interface between computer and radio - (not compatible with RIB) (Multi-Language Manual)	$88.00
		X	X		X		AA0180305G54	Battery Eliminator Cable (requires RLN4510 - 7.5 V)	$60.00
X							53968	Cloning Cable	$30.00
		X	X		X		RKN4073	Cloning Cable (Multi-Language manual)	$43.00
				X			AAJMKN4124	Cloning Cable	$125.00

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ACCESSORIES

DTR550/DTR650	PR400	PR860	HT750/HT1250	EX500/EX600·XLS	HT1550·XLS	PR1500	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
							Service Accessories continued:		
	X	X	X	X	X		RLN4008	Radio Interface Box (RIB)	$200.00
	X	X	X	X	X		0180357A57	Wall Mounted Power Supply, 120V (for use with RLN4008)	$24.25
	X	X	X	X	X		RLN4460	Test Box for Portables and Mobiles	$395.00
		X	X		X		RLN4510	7.5 Volt Universal Battery Eliminator	$150.00
		X	X				AAHLN9742	Flash Upgrade Adapter - adapts either AARKN4074 or RKN4075 for use in flashing	$56.00
	X						RLN5583	Flash Upgrade Adapter	$99.75
X							NTN2074	Mini Keyboard	$45.00
							Manuals:		
	X						6881096C24	PR400 Basic Service Manual	$16.00
	X						6881096C25	PR400 Detailed Service Manual	$25.00
		X					6881098C42	PR860 Basic Service Manual	$15.00
		X					6881098C43	PR860 Detailed Service Manual	$20.00
			X		X		6880906Z54-D	HT750, HT1250, HT1250•LS+, HT1550•XLS, MTX850, MTX950, MTX8250, MTX9250, MTX850•LS & MTX8250•LS Basic Service Manual	$11.00
			X		X		6881088C46-E	HT750, HT1250, HT1250•LS+, HT1550•XLS, MTX850, MTX950, MTX8250, MTX9250, MTX850•LS & MTX8250•LS Detailed Service Manual	$27.00
			X				6881089C97-O	HT750 User Manual	$14.00
			X				6881088C37-O	HT1250 User Manual	$14.00
				X			6881094C00-A	EX500 & EX600•XLS Basic Service Manual	$10.00
				X			6881094C21-O	EX500 & EX600•XLS Detailed Service Manual	$25.00
				X			HKLN4118	EX500 User Guide (English & French)	$13.52
						X	6881094C09	PR1500/Astro Basic Service Manual	$13.75
						X	6881094C10	PR1500/Astro Detailed Service Manual	$31.75

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SUGGESTED RETAIL

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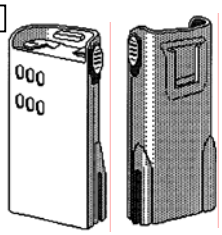


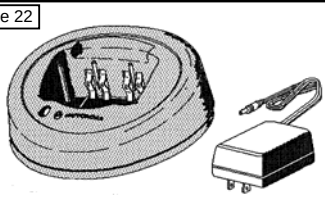
HNN9013_R
Li-ion, 1200 mAh,
7.5V Battery

Page 21

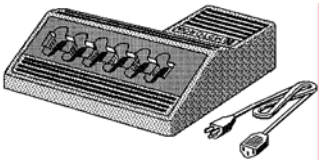
HLN9665
Leather Case with Belt Loop for
NiMH & NiCd Batteries

HLN9694
Leather DTMF Case with Swivel for NiMH
& NiCd Batteries

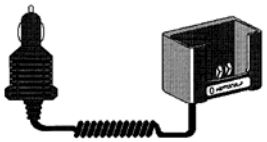
Page 22



AAHTN3000
120 Volt Single Unit Rapid
Rate Charger

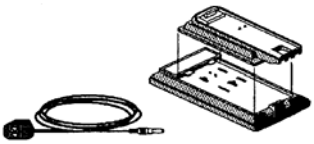


AAHTN3003
120 Volt 6 Unit Rapid Rate
Charger

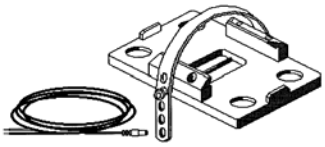


RLN4883
Travel Charger

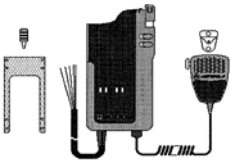
Page 23



WPLN4107_R
Motorola Conditioning
Charger Kit

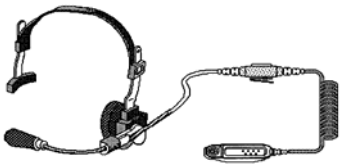


RLN4814
Vehicular Mounting Bracket



AAEN1006 / AAEN1007
Vehicular Adapter

Page 24



AARMN4018
Lightweight Single Muff Adjustable Headset with
Swivel Boom Microphone & In-Line PTT

AARMN4031
Lightweight Single Muff Adjustable
Headset with Swivel Boom Microphone

PORTABLE

ACCESSORIES

SUGGESTED RETAIL

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AARMN4019
Medium Weight over-the-head Dual Muff Headset with Noise Cancelling Microphone & In-Line PTT

Page 25

AARMN4032
Medium Weight over-the-head Dual Muff Headset with Noise Cancelling Microphone

RMN4048
Temple Transducer

Page 26

AARMN4022 / AARMN4029
2 Wire Surveillance Kit with Microphone & PTT - Combined

Page 27

AARMN4017
Ultra-Light Headset with Boom Microphone

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RLN4941
Receive-Only Earpiece

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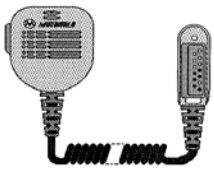
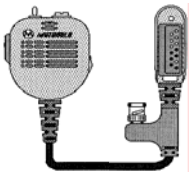


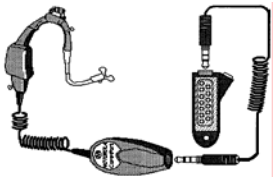
AAHMN9052
Remote Speaker Microphone

Page 29



AAHMN9057 / AAHMN9054
Public Safety Speaker Microphone

Page 30



NTN1722
Integrated Ear Microphone / Receiver System with PTT on Radio

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SUGGESTED RETAIL

PM400™ MOBILE

VHF & UHF Models, Switchable 12.5/20/25 kHz

All PM400 Models Include:

- **Standard Microphone (Heavy Duty Palm Microphone with 10.5 Ft. Coil Cord - HMN1035 & Hang-Up Clip - HLN9073)**
- **Standard Inst Bracket (Non-Locking Mounting Bracket - GLN7324)**
- **Standard Power Cable (HKN4137_R)**
- **4 Programmable Buttons**
- **8 Character Alphanumeric Display**
- **User Guide / Safety Manual**
- **Two Year Warranty**

Conventional/LTR® Programmable Features

- **64 Conventional Channels**
- **System Scan**
- **12.5/20/25 kHz Switchable**
- **Dual Priority Scan (Conv. Only)**
- **Two Memory Channels (Conv. Only)**
- **Busy Channel Lockout (Conv. Only)**
- **Option Board Expandability**
- **High/Low Power Settings**
- **Local/Distance Mode**
- **Time-Out-Timer**

LTR® Features:

- **Up to 100 LTR Talkgroups**
- **Mixed Assignment of Conv. Personalities & LTR Talkgroups**
- **Up to 10 Sites & 100 Talkgroups in LTR**
- **Up to 20 Repeaters per Site in LTR**
- **Up to 4 Universal IDs per System in LTR**
- **Up to 40 Universal IDs per Radio**
- **User Programmable Scan & Phone Lists**
- **Data Operated Squelch**

Conventional/LTR® Signaling Features

- **MDC1200 Emergency (Encode - Conv. Only)**
- **MDC1200 PTT ID (Numeric ID-Encode/Decode)**
- **MDC1200 Call Alert (Encode/Decode)**
- **MDC1200 Selective Call (Encode/Decode)**
- **MDC1200 Selective Radio Inhibit (Decode)**
- **MDC1200 Radio Check (Decode)**
- **Quik Call II™ Call Alert (Encode/Decode - Conv. Only)**
- **Quik Call II™ Selective Call (Encode/Decode - Conv. Only)**
- **DTMF PTT ID (Encode - Conv. Only)**
- **DTMF Call Alert (Encode - Conv. Only)**
- **DTMF Selective Call (Encode - Conv. Only)**

NOTES:

- **PM400 Mobiles are not compatible components with the GR Series Repeaters.**

The following frequencies are not allowed:
444.860
489.255

BAND SPLIT	BAND	CHANNEL SPACING	CHAN	PWR	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
146-174 MHz	VHF	Switchable 12.5/20/25 kHz	64	1-25W	AAM50KNF9AA3_N	$595
				25-45W	AAM50KQF9AA3_N	$655
438-470 MHz	UHF	Switchable 12.5/20/25 kHz	64	1-25W	AAM50RNF9AA3_N	$647
				25-40W	AAM50RPF9AA3_N	$707
465-495 MHz	UHF	Switchable 12.5/20/25 kHz	64	25-40W	AAM50SPF9AA3_N	$707

FCC INFORMATION: AZ492FT3805 (146-174 MHz 1-25W), ABZ99FT3046 (146-174 MHz 25-45W), AZ492FT4856 (438-470 MHz 1-25W), ABZ99FT4048 (438-470 MHz 25-40W), ABZ99FT4049 (465-495 MHz 25-40W)

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Date 1/9/06

SUGGESTED RETAIL

PM400™ MOBILE ACCESSORIES

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE FOR STEP 1		
	STEP 1:	
Microphone Choices:		
STDPKG0019	Standard Microphone (Heavy Duty Palm Microphone with 10.5 Ft. Coil Cord - HMN1035 & Hang-Up Clip - HLN9073)	N/C
G168	Compact Microphone with 7 Ft. Coil Cord & Hang-Up Clip (HMN3413)	-$15.00
G172	Enhanced Keypad Microphone & Hang-Up Clip (RMN5029)	$51.00
G311	Omit Standard Microphone	-$22.00

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
General Options:		
G400	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$23.00
G24	Express Service Plus Plan (ESP) 2 Year - Provides for 2 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$39.00

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Date 1/9/06

SUGGESTED RETAIL

CDM750™ MOBILE

Lowband, VHF and UHF Models

All CDM750 mobile models include:

- **Standard Compact Microphone (AARMN4025)**
- **Standard Bracket (Low Profile Bracket for VHF/UHF - GLN7324 & 3 Point Bracket for LowBand Models - RLN4774)**
- **Standard Power Cable (LowBand HKN4191 - VHF/UHF HKN4137_R)**
- **Replaceable Button Package (Includes buttons for MON (Monitor) and SCAN (Scan))**
- **Operating Instruction Manual**
- **Two Year Warranty**

Features:

- **4 Channels**
- **20/30 kHz Switchable Channel Spacing (LowBand)**
- **12.5/25 kHz Switchable Channel Spacing (VHF/UHF)**
- **2 Programmable / Replaceable Buttons**
- **Single Priority Scan**
- **X-Pand™ Technology**
- **Adjustable Power Levels**
- **MDC1200 PTT-ID (Alphanumeric ID-Encode)**
- **MDC1200 Selective Radio Inhibit (Decode)**
- **DTMF (Encode)**
- **Option Board Expandability**

Programmable Buttons:

- **Scan**
- **Monitor**
- **Repeater Talkaround**
- **Option Board**
- **High / Low Power**
- **Auxiliary Output**

Note: The HKN9327_R Ignition Switch Cable is required for installations requiring ignition sense.

The following frequencies are not allowed:

35.175	403.205	453.595	488.345
35.630	419.195	453.605	494.955
30.735 +/- 5 kHz	420.000	457.805	498.830
40.980 +/- 5 kHz	436.795	459.905	504.000
151.200	436.800	468.300	507.875
168.000	436.805	470.400	511.755
403.200	443.950	483.320	

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
29.7-36 MHz	LowBand	40-60W	4	AAM25BKC9AA1_N	$683
36-42 MHz				AAM25CKC9AA1_N	$683
42-50 MHz				AAM25DKC9AA1_N	$683
136-174 MHz	VHF	1-25W	4	AAM25KHC9AA1_N	$525
		25-45W		AAM25KKC9AA1_N	$608
403-470 MHz	UHF	1-25W	4	AAM25RHC9AA1_N	$592
		25-40W		AAM25RKC9AA1_N	$675
450-512 MHz	UHF	1-25W		AAM25SHC9AA1_N	$592
		25-40W		AAM25SKC9PW1_N (1.5ppm 12.5 kHz Rptr Application)	$675

FCC INFORMATION AZ492FT1627 (29.7-36 MHz 40-60W) / AZ492FT1628 (36-42 MHz 40-60W) / AZ492FT1626 (42-50 MHz 40-60W) / AZ492FT3796 (136-174 MHz 1-25W) / AZ492FT3795 (136-174 MHz 25-45W) / AZ492FT4835 (403-470 MHz 1-25W) / AZ492FT4830 (403-470 MHz 25-40W) / AZ492FT4829 (450-512 MHz 1-25W) / AZ492FT4836 (450-512 MHz 25-40W)

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SUGGESTED RETAIL

CDM750™ MOBILE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

STEP 1:

Microphone Choices:

STDMIC0103	Standard Compact Microphone - Supports Remote Monitor (AARMN4025)	N/C
B20	Enhanced Keypad Microphone - Supports Remote Monitor (AARMN4026)	$51.00
G632	Heavy Duty Microphone (AARMN4038)	$36.00
B71	Omit Microphone	-$10.00

STEP 2:

Bracket Choices:

STDBKT0103	Standard Mounting Bracket (GLN7324)	N/C
B65	Omit Standard Mounting Bracket	-$4.00

STEP 3:

Cable Choices:

STDCBL0103	Standard Power Cable (LowBand HKN4191 & VHF/UHF HKN4137_R)	N/C
B161	Omit Standard Power Cable	-$8.00

STEP 4:

Shipping Box Choices:

STDBOX0103	Standard CDM Series Individual Model Box	N/C
B842	Bulk Packaging (minimum 6 units per line item)	N/C

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE

General Options:

G400	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$33.00
G398	Express Service Plus Plan (ESP) 3 Year - Provides for 3 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$95.00

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SUGGESTED RETAIL

CDM1250™ MOBILE

Lowband, VHF and UHF Models

All CDM1250 mobile models include:
- **Standard Compact Microphone (AARMN4025)**
- **Standard Bracket (Low Profile Bracket for VHF/UHF - GLN7324 & 3 Point Bracket for LowBand Models - RLN4774)**
- **Standard Power Cable (LowBand HKN4191 - VHF/UHF HKN4137_R)**
- **Replaceable Button Package (Includes buttons for MON (Monitor), SCAN (Scan), CALL (Radio Call), PHONE (Phone) and HOME (Channel Revert))**
- **Operating Instruction Manual**
- **Two Year Warranty**

Features:
- **64 Channels**
- **20/30 kHz Switchable Channel Spacing (LowBand)**
- **12.5/25 kHz Switchable Channel Spacing (VHF/UHF)**
- **14 Character Alphanumeric Display**
- **4 Programmable / Replaceable Buttons**
- **Dual Priority Scan**
- **User Programmable Scan**
- **X-Pand™ Technology**
- **Adjustable Power Levels**
- **MDC1200 PTT-ID (Alphanumeric ID-Encode/Decode)**
- **MDC1200 Selective Radio Inhibit (Decode)**
- **MDC1200 Call Alert (Encode/Decode)**
- **MDC1200 Selective Call (Encode/Decode)**
- **MDC1200 Radio Check (Encode/Decode)**
- **MDC1200 Emergency (Encode)**
- **MDC1200 Data Operated Squelch (DOS)**
- **Quik Call II (Encode/Decode)**
- **DTMF (Encode) - Decode available with Option Board AAHHLN4182 and Install Kit RLN4823**
- **Option Board Expandability**

Programmable Buttons:
- **Scan**
- **Monitor**
- **Repeater Talkaround**
- **Option Board**
- **High / Low Power**
- **Auxiliary Output**
- **Emergency**
- **Nuisance Channel Delete**
- **Direct Channel Access**
- **Home Channel Access**
- **Backlight Control**
- **Radio Call**
- **Menu Functions**

Note: The HKN9327_R Ignition Switch Cable is required for installations requiring ignition sense.

The following frequencies are not allowed:

35.175	403.205	453.595	488.345
35.630	419.195	453.605	494.955
30.735 +/- 5 kHz	420.000	457.805	498.830
40.980 +/- 5 kHz	436.795	459.905	504.000
151.200	436.800	468.300	507.875
168.000	436.805	470.400	511.755
403.200	443.950	483.320	

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
29.7-36 MHz	LowBand	40-60W	64	AAM25BKD9AA2_N	$817
36-42 MHz	LowBand	40-60W	64	AAM25CKD9AA2_N	$817
42-50 MHz	LowBand	40-60W	64	AAM25DKD9AA2_N	$817
136-174 MHz	VHF	1-25W	64	AAM25KHD9AA2_N	$658
	VHF	25-45W	64	AAM25KKD9AA2_N	$742
403-470 MHz	UHF	1-25W	64	AAM25RHD9AA2_N	$725
	UHF	25-40W	64	AAM25RKD9AA2_N	$808
450-512 MHz	UHF	1-25W	64	AAM25SHD9AA2_N	$725
	UHF	25-40W	64	AAM25SKD9PW2_N (1.5ppm 12.5 kHz Repeater Application)	$808

FCC INFORMATION AZ492FT1627 (29.7-36 MHz 40-60W) / AZ492FT1628 (36-42 MHz 40-60W) / AZ492FT1626 (42-50 MHz 40-60W) / AZ492FT3796 (136-174 MHz 1-25W) / AZ492FT3795 (136-174 MHz 25-45W) / AZ492FT4835 (403-470 MHz 1-25W) / AZ492FT4830 (403-470 MHz 25-40W) / AZ492FT4829 (450-512 MHz 1-25W) / AZ492FT4836 (450-512 MHz 25-40W)

SUGGESTED RETAIL

CDM1250™ MOBILE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP		
	STEP 1:	
Microphone Choices:		
STDMIC0109	Standard Compact Microphone - Supports Remote Monitor (AARMN4025)	N/C
B20	Enhanced Keypad Microphone - Supports Remote Monitor (AARMN4026)	$51.00
G632	Heavy Duty Microphone (AARMN4038)	$36.00
B71	Omit Microphone	-$10.00
	STEP 2:	
Bracket Choices:		
STDBKT0109	Standard Mounting Bracket (GLN7324)	N/C
B65	Omit Standard Mounting Bracket	-$4.00
	STEP 3:	
Cable Choices:		
STDCBL0109	Standard Power Cable (LowBand HKN4191 & VHF/UHF HKN4137_R)	N/C
B161	Omit Standard Power Cable	-$8.00
	STEP 4:	
Shipping Box Choices:		
STDBOX0109	Standard CDM Series Individual Model Box	N/C
B842	Bulk Packaging (minimum 6 units per line item)	N/C

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
General Options:		
G400	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$33.00
G398	Express Service Plus Plan (ESP) 3 Year - Provides for 3 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$95.00

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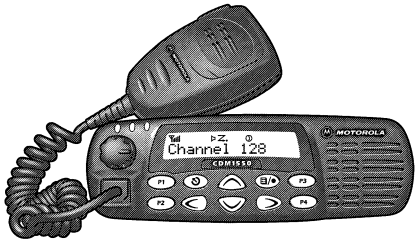
SUGGESTED RETAIL

CDM1550™ MOBILE

Lowband Models

All CDM1550 mobile models include:

- **Standard Compact Microphone (AARMN4025)**
- **Standard Bracket (3 Point Bracket - RLN4774)**
- **Standard Power Cable (HKN4191)**
- **Replaceable Button Package (Includes buttons for MON (Monitor), SCAN (Scan), CALL (Radio Call), PHONE (Phone) and HOME (Channel Revert))**
- **Operating Instruction Manual**
- **Two Year Warranty**



Features:

- **128 Channels**
- **20/30 kHz Switchable Channel Spacing**
- **14 Character Alphanumeric Display**
- **4 Programmable/Replaceable Buttons**
- **Enhanced Editing Menu**
- **Dual Priority Scan**
- **User Programmable Scan**
- **X-Pand™ Technology**
- **Adjustable Power Levels**
- **MDC1200 PTT-ID (Alphanumeric ID-Encode/Decode)**
- **MDC1200 Selective Radio Inhibit (Decode)**
- **MDC1200 Call Alert (Encode/Decode)**
- **MDC1200 Selective Call (Encode/Decode)**
- **MDC1200 Radio Check (Encode/Decode)**
- **MDC1200 Emergency/Covert Emergency (Encode/Decode)**
- **MDC1200 Status/Message**
- **MDC1200 Data Operated Squelch (DOS)**
- **Quik Call II (Encode/Decode)**
- **DTMF (Encode) - Decode available with Option Board AAHHLN4182 and Install Kit RLN4823**
- **Option Board Expandability**

Programmable Buttons:

- **Scan**
- **Monitor**
- **Repeater Talkaround**
- **Option Board**
- **High / Low Power**
- **Auxiliary Output**
- **Status / Message**
- **Emergency**
- **Nuisance Channel Delete**
- **Direct Channel Access**
- **Home Channel Access**
- **Backlight Control**
- **Radio Call**
- **Menu Functions**

Note: The HKN9327_R Ignition Switch Cable is required for installations requiring ignition sense.

The following frequencies are not allowed:

35.175	30.735 +/- 5 kHz
35.630	40.980 +/- 5 kHz

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
29.7-36 MHz	LowBand	40-60W	128	AAM25BKF9AA5_N	$875
36-42 MHz				AAM25CKF9AA5_N	$875
42-50 MHz				AAM25DKF9AA5_N	$875

FCC INFORMATION AZ492FT1627 (29.7-36 MHz 40-60W) / AZ492FT1628 (36-42 MHz 40-60W) / AZ492FT1626 (42-50 MHz 40-60W)

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SUGGESTED RETAIL

CDM1550™ MOBILE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

STEP 1:

Microphone Choices:

STDMIC0792	Standard Compact Microphone - Supports Remote Monitor (AARMN4025)	N/C
B20	Enhanced Keypad Microphone - Supports Remote Monitor (AARMN4026)	$51.00
G632	Heavy Duty Microphone (AARMN4038)	$36.00
B71	Omit Microphone	-$10.00

STEP 2:

Bracket Choices:

STDBKT0792	Standard Mounting Bracket (RLN4774)	N/C
B65	Omit Standard Mounting Bracket	-$4.00

STEP 3:

Cable Choices:

STDCBL0792	Standard Power Cable (HKN4191)	N/C
B161	Omit Standard Power Cable	-$8.00

STEP 4:

Shipping Box Choices:

STDBOX0792	Standard CDM Series Individual Model Box	N/C
B842	Bulk Packaging (minimum 6 units per line item)	N/C

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE

General Options:

G400	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$33.00
G398	Express Service Plus Plan (ESP) 3 Year - Provides for 3 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$95.00

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SUGGESTED RETAIL

CDM1550·LS+™
VHF / UHF MOBILE

LTR®/PassPort® Trunking Models, Switchable 12.5/20/25 kHz

All CDM1550•LS+ mobile models include:
- **Standard Compact Microphone (AARMN4025)**
- **Standard Bracket (Low Profile Bracket - GLN7324)**
- **Standard Power Cable (Low Power HKN4137_R / High Power HKN4191)**
- **4 Programmable Buttons**
- **14 Character Alphanumeric Display**
- **Replaceable Button Package (includes buttons for MON (Monitor), SCAN (Scan), CALL (Radio Call), PHONE (Phone), HOME (Channel Revert), ROAM (Roam Request) and SITE (Site/Min View) - RLN5324)**
- **Operating Instruction Manual**
- **Two Year Warranty**

Conventional/LTR®/PassPort® Programmable Features:
- **System, All Group, Auto Group Scan (Conventional & LTR®)**
- **Dual Priority Scan (Conventional Operation Only)**
- **Home Channel Revert (LTR® & PassPort®)**
- **12.5/20/25 kHz Switchable Channel Spacing**
- **X-Pand™ Companding Technology**
- **Telephone Interconnect**
- **Adjustable Power Levels**
- **Voice Storage**

LTR® Protocol - MDC1200 Signaling: Programmable Features:
- **Call Alert (Encode/Decode)**
- **Selective Call (Encode/Decode)**
- **PTT-ID (Encode/Decode)**
- **Radio Check (Encode/Decode)**

Note: The HKN9327 Ignition Switch Cable is required for installations requiring ignition sense.

The following frequencies are not allowed:

151.200	436.795	453.605	483.320	511.755
403.200	436.800	457.805	488.345	507.875
403.205	436.805	459.905	494.955	
419.195	443.950	468.300	498.830	
420.000	453.595	470.400	504.000	

Additional PassPort® Features:
- **PassPort® Group Scan**
- **Seamless Roaming**
- **Automatic Registration/Deregistration (upon power up and power down)**
- **PTT ID Aliasing & MIN on Display**
- **Unique ESN (Electronic Serial Number)**
- **Direct Frequency Assignment**
- **Home System Lookback**
- **Selective Radio Inhibit (Decode)**
- **Roam Request**
- **Site/MIN View**
- **Selective Call / Call Alert (with Horn & Lights activation)**
- **Roam Lock**
- **Site / Talkgroup Restriction (requires NTS option)**
- **NTIA Band 9 MHz Rx/Tx Support - UHF Only**

160 Channel Models also include:

LTR® Protocol - MDC1200 Signaling:
- **Status (Encode)**
- **Message (Encode/Decode)**

Conventional Mode - MDC1200 Signaling:
- **Call Alert (Encode/Decode)**
- **Selective Call (Encode/Decode)**
- **PTT-ID (Encode/Decode)**
- **Radio Check (Encode/Decode)**
- **Emergency Alert (Encode/Decode)**
- **Covert Emergency**
- **Status (Encode)**
- **Message (Encode/Decode)**

Conventional Mode - Signaling:
- **Quik Call II (Encode/Decode)**

BAND SPLIT	BAND	PWR	TRUNK MODES/ TALKGROUPS	CONV CHAN	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
136-174 MHz	VHF	1W to 25W	15/16	16	AAM25KHF9DP5_N	$660
				160	AAM25KHF9DP6_N	$717
		25W to 45W	15/16	16	AAM25KKF9DP5_N	$734
				160	AAM25KKF9DP6_N	$800
403-470 MHz	UHF	1W to 25W	15/16	16	AAM25RHF9DP5_N	$717
				160	AAM25RHF9DP6_N	$783
		25W to 40W	15/16	16	AAM25RKF9DP5_N	$800
				160	AAM25RKF9DP6_N	$867
450-512 MHz	UHF	1W to 25W	15/16	16	AAM25SHF9DP5_N	$717
				160	AAM25SHF9DP6_N	$783
		25W to 40W	15/16	16	AAM25SKF9DP5_N	$800
				160	AAM25SKF9DP6_N	$867

FCC INFORMATION AZ492FT3796 (136-174 MHz 1-25W) / AZ492FT3795 (136-174 MHz 25-45W) / AZ492FT4835 (403-470 MHz 1-25W) / AZ492FT4830 (403-470 MHz 25-40W) / AZ492FT4829 (450-512 MHz 1-25W) / AZ492FT4836 (450-512 MHz 25-40W)

LTR® is a registered trademark of E.F. Johnson Co. PassPort® is a registered trademark of Trident Microsystems Inc.

SUGGESTED RETAIL

CDM1550·LS+™
MOBILE
OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP		
	STEP 1:	
Microphone Choices:		
STDMIC0001	Standard Compact Microphone - Supports Remote Monitor (AARMN4025)	N/C
B20	Enhanced Keypad Microphone - Supports Remote Monitor (AARMN4026)	$51.00
G632	Heavy Duty Microphone (AARMN4038)	$36.00
B71	Omit Microphone	-$10.00
	STEP 2:	
Bracket Choices:		
STDBKT0001	Standard Mounting Bracket (GLN7324)	N/C
B65	Omit Standard Mounting Bracket	-$4.00
	STEP 3:	
Cable Choices:		
STDCBL0001	Standard Power Cable (Low Power HKN4137_R / High Power HKN4191)	N/C
B161	Omit Standard Power Cable	-$8.00
	STEP 4:	
Shipping Box Choices:		
STDBOX0001	Standard CDM Series Individual Model Box	N/C
B842	Bulk Packaging (minimum 6 units per line item)	N/C

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
General Options:		
G400	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$33.00
G398	Express Service Plus Plan (ESP) 3 Year - Provides for 3 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$95.00

PROFESSIONAL MOBILE

Date 1/9/06

SUGGESTED RETAIL

ACCESSORIES

PM400	CDM750 / CDM1250 / CDM1550	CDM1550-LS+	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
			Microphones:		
	X	X	AARMN4025	Standard Compact Microphone (Supports Remote Monitor)	$47.25
X			HMN3413	Compact Microphone with 7 Ft. Coil Cord & Hang-Up Clip	$39.50
X			HMN3596	Compact Microphone with 7 Ft. Coil Cord	$38.50
	X	X	AARMN4026	Enhanced Keypad Microphone (Supports Remote Monitor)	$99.00
X			RMN5029	Enhanced Keypad Microphone & Hang-Up Clip	$88.50
	X	X	AARMN4038	Heavy Duty Microphone (Does Not Support Remote Monitor)	$81.50
X			HMN1035	Heavy Duty Palm Microphone with 10.5 Ft. Coil Cord	$81.50
X	X	X	AAREX4617	Telephone Style Handset with Hang-Up Cup	$132.00
X	X	X	HLN9073	Microphone Hang-Up Clip (all microphones)	$1.10
X			HLN9414	Universal Hang-Up Clip (all microphones)	$7.70
			Handsfree Accessories:		
X	X	X	AARMN4027	Visor Mounted Microphone	$21.50
X	X	X	RLN4856	Footswitch PTT	$61.75
X	X	X	RLN4857	Pushbutton PTT	$38.50
X	X	X	RLN4858	Gooseneck PTT	$76.00
			Dual Control Heads & Remote Mounts (both power cable & remote mount cable are required)		
	X	X	RLN5682	CDM Dual Control Head Interface Box	$575.00
	X	X	RLN5898	CDM750 Dual Control Head Kit (includes RLN5682)	$775.00
	X	X	RLN5899	CDM1250 Dual Control Head Kit (includes RLN5682)	$807.00
	X	X	RLN5900	CDM1550 Dual Control Head Kit (includes RLN5682)	$885.00
	X		RLN4801	Remote Mount Kit - CDM750 models (requires HKN4192 power cable)	$93.50
	X	X	RLN4802	Remote Mount Kit - CDM1250 & CDM1550 models (req. HKN4192 power cable)	$93.50
	X	X	RKN4077	Remote Mount Cable, 3 meter length	$8.25
	X	X	RKN4078	Remote Mount Cable, 5 meter length	$10.50
	X	X	RKN4079	Remote Mount Cable, 7 meter length	$13.00

PROFESSIONAL MOBILE

Date 1/9/06

SUGGESTED RETAIL

ACCESSORIES

PM400	CDM750 / CDM1250 / CDM1550	CDM1550-LS+	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
			Mounting Accessories:		
	X		RLN4774	3 Point Mounting Bracket (LowBand)	$20.00
X	X	X	GLN7324	Low Profile Mounting Bracket (VHF, UHF, 200 MHz & 700 MHz)	$13.25
X	X	X	GLN7317	High Profile Mounting Bracket (VHF, UHF, 200 MHz & 700 MHz)	$21.00
X	X	X	RLN4779	Key Lock Mounting Bracket (VHF, UHF, 200 MHz & 700 MHz)	$33.00
	X	X	RLN4781	Direct in Dashboard Mounting Kit (VHF, UHF, 200 MHz & 700 MHz)	$23.25
X			HLN9227	8" Goose Neck Mounting Bracket	$28.75
			Installation and Alarm Accessories:		
X	X	X	HKN4137_R	15 Amp Low Power Cable to Battery (VHF, UHF, 200 MHz & 700 MHz)	$18.00
X	X		HKN4191	20 Amp High Power Cable to Battery	$18.00
	X	X	HKN4192	12V 20 Ft. Power Cable to Battery (all models)	$38.33
X			HLN9328	External Alarm Relay Cable - horn & lights	$55.00
	X	X	GKN6272_R	External Alarm Relay and Cable	$55.00
X	X	X	RSN4001	13 Watt External Loudspeaker	$66.00
X	X	X	HSN8145	7.5 Watt External Speaker - for Receiver Audio	$47.50
X	X	X	RLN4836_R	Emergency Footswitch	$61.75
X			GLN7282	Alarm Buzzer	$46.25
X	X	X	HKN9327_R	Ignition Switch Cable	$9.90
	X	X	HKN9557	PL259/Mini-U Antenna Adapter - 8" cable	$12.00
X			HLN9242	16-Pin Accessory Kit with Expanded Connector (kit allows existing 16 pin connector accessories to be modified for enhanced connector reliability) when used with CM & SM Series or M1225 mobiles. Includes 9 wires with lugs, 1 connector housing, 16 crimping terminals, 2 tie straps and 1 extraction tool)	$5.65
	X	X	HLN9457	Hardware Kit for use with the Expanded Accessory Connector (includes 16 connector pins, five (5) 8" wires with pins attached and an extra housing)	$6.95
			Mobile Data Units Section:		
			Terminals:		
X	X	X	RDN7368	Mobile Display Terminal - Mobile messaging device equipped with a data modem. This unit features a 4x40 backlit LCD display and the keypad allows users to send information to the dispatcher in response to base instructions.	$699.00
X	X	X	RDN7738	Serial Breakout Unit (used in multiple applications that will allow up to 8 base modems to be connected)	$1,200.00
X	X	X	RDN7367	Mobile Display Terminal with GPS - Mobile display terminal equipped with an Automatic Vehicle Location (AVL) device compatible with Global Positioning system (GPS).	$1,049.00
X	X	X	RDN7369	Standalone Modem & GPS - Cost efficient Automatic Vehicle Location (AVL) device compatible with Global Positioning System (GPS).	$599.00
			Radio Interface Cables: One radio interface cable is required with purchase of each hardware device.		
	X	X	RDN7370	3 Ft. Interface Cable with 16 Pin Connector	$45.00
	X	X	RDN7376	15 Ft. Interface Cable with 16 Pin Connector	$55.00
X	X	X	RDN7739	3 Ft. Flying Cable (same as regular interface cable but omits connectors)	$35.00
X	X	X	RDN7740	15 Ft. Flying Cable (same as regular interface cable but omits connectors)	$45.00

PROFESSIONAL MOBILE

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SUGGESTED RETAIL

ACCESSORIES

PM400	CDM750 / CDM1250 / CDM1550	CDM1550-LS+	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
			Mobile Data Units Section Continued:		
			Global Positioning System (GPS) Antennas: Antenna is required with purchase of any GPS unit.		
X	X	X	RDN7372	Fixed Mount GPS Active Antenna	$95.00
X	X	X	RDN7375	Magnetic Mount GPS Active Antenna	$90.00
			Software:		
X	X	X	RDN7378	AVL Messaging Status Software - Mapping software that provides the user with Automatic Vehicle Location to track vehicles along with message dispatch and status tracking capability.	$2,200.00
X	X	X	RDN7374	Programming Software - Used for mobile data units.	$125.00
X	X	X	RDN7377	Regional Map Software - Will allow up to 10 selected US counties.	$599.00
			Miscellaneous:		
X	X	X	RDN7364	Radio Channel Card - A radio channel controller and modem that interface with the base radio. Required with every radio channel or wireless circuit used within the system.	$999.00
X	X	X	RDN7380	Mobile Programming Hardware	$200.00
			Control Station Accessories:		
	X	X	RLN5403	Mobile Control Station (requires 3080137S02 cable)	$650.00
X	X	X	HMN3000	Desk Microphone, Black	$120.00
	X	X	GLN7326	Desktop Tray with Speaker	$82.50
X			RLN5390	Desktop Tray with Speaker	$81.00
X			RLN5391	Desktop Tray without Speaker	$51.50
	X	X	GLN7318	Desktop Tray without Speaker	$40.00
X			HKN9455	12V Power Cable for High Power Control Station 25-60W	$22.00
X			HKN4139	12V Power Cable for Low Power Control Station 1-25W	$21.00
	X	X	HKN9088	Mobile Mini-U Antenna Adapter - 8 Ft. Cable	$40.25
X	X	X	HPN4008	Power Supply and Cable (1-25 Watt Models)	$264.00
X	X	X	HPN4007	Power Supply and Cable (25-60 Watt Models)	$296.00
			Antennas:		
	X		RAB4002ARB	Low Band 1/4 Wave Base Loaded Antenna, 29.7-36 MHz	$47.00
	X		RAB4003ARB	Low Band 1/4 Wave Base Loaded Antenna, 36-42 MHz	$47.00
	X		RAB4004ARB	Low Band 1/4 Wave Base Loaded Antenna, 42-50 MHz	$47.00
X			RAD4000	Antenna Only (less cable & install hardware) - Standard Duty, 136-174 MHz	$43.50
	X	X	HAD4006	VHF 1/4 Wave Roof Mount Antenna, 136-144 MHz	$19.50
X	X	X	HAD4007	VHF 1/4 Wave Roof Mount Antenna, 144-152 MHz	$19.50
X	X	X	HAD4008	VHF 1/4 Wave Roof Mount Antenna, 150.8-162 MHz	$19.50
X	X	X	HAD4009	VHF 1/4 Wave Roof Mount Antenna, 162-174 MHz	$19.50
	X	X	HAD4014	VHF 3dB Gain Roof Mount Antenna, 140-174 MHz	$57.00
X	X	X	RAD4000AMB	VHF 3dB Gain Magnetic Mount Antenna, 140-174 MHz	$58.50

PROFESSIONAL MOBILE

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SUGGESTED RETAIL

ACCESSORIES

PM400	CDM750 / CDM1250 / CDM1550	CDM1550•LS+	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
			Antennas Continued:		
	X	X	HAE4002	UHF 1/4 Wave Roof Mount Antenna, 403-430 MHz	$20.00
X			TAE6053	UHF 1/4 Wave Roof Mount Antenna, 430-450 MHz	$20.00
X	X	X	HAE4003	UHF 1/4 Wave Roof Mount Antenna, 450-470 MHz	$20.00
	X	X	HAE4004	UHF 1/4 Wave Roof Mount Antenna, 470-512 MHz	$20.00
	X	X	HAE4010	UHF 3.5dB Gain Roof Mount Antenna, 406-420 MHz	$68.00
	X	X	HAE4011	UHF 3.5dB Gain Roof Mount Antenna, 450-470 MHz	$68.00
		X	HAE4012	UHF 3.5dB Gain Roof Mount Antenna, 470-494 MHz	$68.00
	X	X	HAE4013	UHF 3.5dB Gain Roof Mount Antenna, 494-512 MHz	$72.00
X			RAE4004AMB	UHF 5dB Gain Magnetic Mount Antenna, 440-470 MHz	$57.00
X	X	X	RAE4004ARB	UHF 5dB Gain Roof Mount Antenna, 450-470 MHz	$57.00
			Public Address and Accessories:		
X	X	X	RLN5288	Public Address Kit - includes interface cable (requires HSN1000 speaker)	$419.00
X	X	X	HKN9324_R	15 Ft. Public Address & Speaker Cable (one cable per speaker)	$44.00
X	X	X	HSN1000	6 Watt Amplified External Speaker	$109.00
			Exchangeable Button Kits: **NOTE: Other individual exchangeable buttons are available through RPSD. See Basic Service Manual for button numbers.**		
	X		RLN4829	Standard Button Kit, CDM750: MON, SCAN	$3.15
	X	X	RLN4831	Standard Button Kit, CDM1250, CDM1550, CDM1550•LS & CDM1550•LS+: MON, SCAN, CALL, HOME, PHONE	$7.90
		X	RLN5324	Standard Button Kit, CDM1550•LS & CDM1550•LS+: MON, SCAN, CALL, HOME, PHONE, ROAM, SITE	$3.25
	X		RLN4830	Button Kit, CDM1250, CDM1550, CDM1550 LS & CDM1550 LS+: ZONE, XPAND, HI/LO, VSTR, Emergency Icon	$7.90
			Retrofit Kits:		
	X		AAHHLN4182	DTMF Decode Option Board - Field Install Only (only compatible with CDM1250 & CDM1550)	$82.50
	X		AAHLN9725	Voice Storage Option Board - Field Install Only	$74.75
	X		RLN4823	Mobile Option Board Installation Kit (required to install Option Boards)	$16.50
	X	X	6686119B01	Dismantling Tool	$3.00

PROFESSIONAL MOBILE

Date 1/9/06

SUGGESTED RETAIL

ACCESSORIES

PM400	CDM750 / CDM1250 / CDM1550	CDM1550•LS+	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
			Service and Programming Accessories:		
	X	X	H5177	Portable & Mobile Programming Software Plus (CPS+) - 3 Year Subscription Package - HVN9025 includes CPS/PPCPS (PassPort® Customer Programming Software), CPS tutorial, reflashing tool and freq. finder application for the HT, EX, CDM & MTX•LS Series. HVN9067 for MTX Series Privacy Plus - includes HT & MTX Series Programming & Test Cable (AARKN4074). Also is compatible with RLN4460 used for radio testing. (HVN9025 is compatible with Windows® 95/98/2000 (SP3 or later version) / Millennium (ME) / Windows NT®. HVN9067 is compatible with Windows® 95/98/Windows NT®.) A Mobile Programming Cable (AARKN4081 or AARKN4083) must be purchased separately. **Note: Software requires a license agreement and is not intended for resale.**	$299.00
X			RVN4191	Portable & Mobile Programming Software (CPS) - 3 Year Subscription Package - Portables require AAPMKN4004 Programming/Test Cable. Mobiles require one of the following Programming Cables & Adapter: AARKN4081 Programming Cable with FKN8096 Program Adapter, 3080070N01 Programming Cable with FKN8096 Program Adapter or AARKN4083 Programming Cable with FKN8113 Program Adapter **Note: Software requires a license agreement and is not intended for resale.**	$199.00
X	X	X	AARKN4081	Programming Cable with Internal RIB (direct connection from computer to radio microphone connector) (PM400 requires FKN8096)	$150.00
X	X	X	AARKN4083	Programming Cable (allows radio programming via rear accessory connector) (PM400 - requires FKN8113)	$74.00
X	X	X	3080070N01	Programming Cable (connection from RIB to radio) (PM400 - requires FKN8096)	$65.25
X			FKN8096	Flash/Data Adapter (for use with AARKN4081 or 3080070N01)	$54.00
X			FKN8113	Adapter Cable (for use with AARKN4083)	$43.00
	X	X	3080369B72	9 Pin PC to Radio Interface Box Cable (IBM AT or compatible)	$52.00
	X	X	RLN4460	Test Box for Portables and Mobiles	$395.00
	X	X	RLN4008	Radio Interface Box (RIB)	$200.00
	X	X	0180357A57	Wall Mounted Power Supply, 120V (for use with RLN4008)	$24.25
	X	X	0180305J69	Mobile Data Product Training CD	N/C
			Manuals:		
X			6802966C15	CM200/CM300/PM400 Basic Service Manual	$18.00
X			6802966C20	CM200/CM300/PM400 VHF Detailed Service Manual	$25.00
X			6881098C00	CM200/CM300/PM400 UHF Detailed Service Manual	$25.00
		X	6881091C63-B	CDM Series Detailed Service Manual	$28.25
	X	X	6881091C62-D	CDM Series Basic Service Manual (English)	$13.50

PROFESSIONAL MOBILE

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ASTRO® Digital XTL™ 1500 Mobile
Trunked Radio Systems
VHF / UHF

All XTL 1500 models include:

- Palm Microphone
- Internal Speaker (Standard)
- Ignition Sense Cable
- 10 Foot Negative Ground Power Cable (3 meters) for Dash Mount
- Mounting Hardware
- One Year Warranty

Notes:

1. All XTL 1500 radios are part of the FLASHport® program and ship standard with a FLASH EE Prom, which allows for feature and system upgrades.

2. Project 25 (P25) / Secure is only available through Above the Pricebook (APB)

Ordering Requirements:

1. Order the XTL 1500 Portable as the main line item.

2. A System Software Package (G809 or G967) MUST be ordered for each radio unit ordered.

OPERATING MODES

Capable of operation in four different voice communication modes:

- **ANALOG Conventional and 3600 Baud Trunking ENHANCED (G809)**
- **ANALOG Conventional and 3600 Baud Trunking (G967)**

The mode of operation is programmed on a channel-by-channel basis. The XTL 1500 is capable of transmitting clear analog voice or clear (unencrypted) ASTRO digital voice, depending on the channel programming. XTL 1500 radio functions include ASTRO Digital signaling and digital coding.

CHANNEL SPACING

There are no maximum frequency separation conditions that must be adhered to on the XTL 1500 Mobile Radio Series. Separation of frequencies can be as wide as the allowable sub-band per radio model with no degradation of any performance specifications. If an incorrect antenna is used, degraded performance may be experienced.

ASTRO® Digital XTL™ 1500 Mobile
Trunked Radio Systems
VHF / UHF

ORDERING REQUIREMENTS

1. The main model number consists of the mobile transceiver or “brick” for the frequency band and power level, control head hardware, control head software, dash mount capability, mounting hardware, power cable, ignition sense cable, and microphone.
2. The XTL 1500 radio also includes an internal speaker.
3. Any additional accessories that are required can be ordered as options.
4. A software enhanced version of each system software package can be ordered as an option if customers require any of the capacity and feature capabilities described below:

Enhancements to an ANALOG system include: 255 channels, 16 trunked systems, 16 trunked personalities, 20 call lists, 25 call list members, and 20 scan lists. Note: This enhancement package does NOT include ADP or Data capability.

Radio Features:

Software features supported by "SmartZone® System Packages"	
	ANALOG Conventional and 3600 BAUD Trunking G809
RADIO WIDE FEATURES	
48 Modes / Channels	Yes
Analog or Digital Operation	No
12.5/20/25 kHz Programmable Channels	Yes
Secure Capable *ADP supported when Software Enhancement Package is ordered (see corresponding matrix below).	No*
One Touch Operation	Yes
Radio Wide Transmit Inhibit	Yes
Time Out Timer	Yes
FLASHport	Yes
ANALOG CONVENTIONAL FEATURES	
CSQ/PL/DPL	Yes
Dual Priority Channel Scan	Yes
Repeater / Talkaround Operation	Yes
Scan (Auto, Pre-programmed)	Yes
Monitor	Yes
DTMF Tone Generation	Yes
MDC PTT ID (Encode / Decode)	Encode
MDC Selective Radio Inhibit (Decode)	Yes
MDC Call Alert (Encode / Decode)	Yes
MDC Radio Check (Decode)	Yes
MDC Voice Selective Call (Encode / Decode)	Yes
MDC Remote Monitor	N/A
MDC Call Lists (Call Alert / Selective Call)	Yes
MDC Emergency Call (Encode / Decode)	Yes
MDC Emergency PTT ID (Encode)	Encode
MDC Emergency Alarm (Encode)	Yes
MDC Select Emergency	Yes
MDC Status / Message (Encode)	Yes

ASTRO® Digital XTL™ 1500 Mobile
Trunked Radio Systems
VHF / UHF

Software Features:

DIGITAL CONVENTIONAL SIGNALING FEATURES Features when used in the ASTRO Digital CAI Mode	
	ANALOG Conventional and 3600 BAUD Trunking G809
Unaddressed Voice Call	N/A
Talk Group Call	N/A
Group Call Alert™	N/A
Talk Group Identification (TGID)	N/A
Selective Call (Individual Voice Call)	N/A
Selective Call Decode (Individual Voice Call)	N/A
PTT ID (Individual Identification)	N/A
Call Alert Encode / Decode	N/A
Emergency Alarm with Channel Revert & Acknowledge	N/A
Telephone Interconnect Unlimited (Decode)	N/A
Unlimited	N/A
Selective Radio Inhibit	N/A
Radio Check	N/A
Status / Message	N/A
Adaptive Power Control	N/A
Smart PTT	N/A
SmartZone Omnilink	N/A

TRUNKING TYPE II ONLY FEATURES Features when used in the ASTRO Digital CAI Mode	
	ANALOG Conventional and 3600 BAUD Trunking G809
4 Trunked Systems (Maximum)	Yes
Talkgroup Calls	Yes
PTT ID	No
Call Alert Encode / Decode	Yes
Dual Mode Scan	Yes
Failsoft by Talkgroup	Yes
Telephone Interconnect Unlimited (Decode)	Yes
System Wide Call (Receive Only)	Yes
Selective Radio Inhibit	Yes
Priority Monitor Scan	No
Dynamic Regrouping	Yes
Status / Message (No DEK)	Yes
Dispatcher Interrupt	No
Private / Enhanced Conversation Encode / Decode	Yes
Radio Trace	Yes
Reprogram Request	Yes
SmartZone Automatic Site Registration	Yes
SmartZone RSSI Operation	Yes
SmartZone Busy Override	No
SmartZone Preferred Site	Yes
SmartZone Forced Site Search	Yes
SmartZone Site Lock/Unlock	Yes
SmartZone Adjacent Control Channel OSW	Yes
Emergency Alarm Call Receive Indication	Yes

Software Features with Enhanced Package:

"ADDITIONAL" FEATURES / CAPABILITIES SUPPORTED WITH SOFTWARE ENHANCEMENT PACKAGE	
	ANALOG Conventional and 3600 BAUD Trunking Enhanced G967
255 Channels	Yes
16 Trunked Systems	Yes
16 Trunked Personalities	Yes
20 Call Lists	Yes
25 Call List Members	Yes
20 Scan Lists	Yes
ADP - supported for 3600 Digital Trunking systems but in the Digital Conventional Mode ONLY.	No
Data	No

SUGGESTED RETAIL

ASTRO® Digital XTL™ 1500 Mobile

Trunked Radio Systems

VHF / UHF - MODELS / OPTIONS

BAND SPLIT	BAND	CHANNEL	WATTS	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
136-174 MHz	VHF	48	10-50W	M28KSS9PW1 N	$1,600.00
380-470 MHz	UHF	48	10-40W	M28QSS9PW1_N	$1,600.00
450-520 MHz	UHF	48	10-45W	M28SSS9PW1_N	$1,600.00

FCC INFORMATION: AZ492FT3805 (VHF) / AZ492FT4862 (UHF)

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
Options:		
Software Package Option:	**EACH MODEL MUST BE ORDERED WITH THE SOFTWARE PACKAGE OPTION**	
G809	ANALOG Conventional and 3600 Baud Trunking	$230.00
G967	ANALOG Conventional and 3600 Baud Trunking Enhanced	$430.00
Alarm Options:		
W116	External Alarm Relays and Cable (for either Horn or Lights - NOT both)	$75.00
Emergency Options:		
W470	External Emergency Footswitch (HLN5113)	$56.00
W688	External Emergency Pushbutton (HLN5131)	$56.00
Control Station Options:		
G91	Control Station Power Supply (HPN4007)	$269.00
G798	Control Station Base Mount	$48.00
Microphone Options:		
W382	Control Station Microphone (HMN1050)	$169.00
W20	Keypad Microphone - GCAI	$180.00
Speaker Options:		
B18	Auxiliary 5W Speaker (HSN4031)	$60.00
Miscellaneous Option:		
W81	Key Lock Mount	$33.00

Options continued on next page.

SUGGESTED RETAIL

ASTRO® Digital XTL™ 1500 Mobile

Trunked Radio Systems

VHF / UHF OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
Antenna Options:		
VHF		
G296	VHF 136-144 MHz, 1/4 Wave Roof Mount Antenna (HAE4006)	$13.50
G297	VHF 144-150.8 MHz, 1/4 Wave Roof Mount Antenna (HAD4007)	$13.50
G299	VHF 150.8-162 MHz, 1/4 Wave Roof Mount Antenna (HAD4008)	$19.50
G300	VHF 162-174 MHz, 1/4 Wave Roof Mount Antenna (HAD4009)	$13.50
G89	No Antenna Required	$0.00
UHF		
G425	UHF 380-433 MHz, 1/4 Wave Whip Antenna (HAE6012)	$25.00
G426	UHF 450-470 MHz, 1/4 Wave Whip Antenna (HAE4003)	$25.00
G490	UHF 470-512 MHz, 1/4 Wave Antenna (HAE4004)	$14.00
G493	UHF 470-494 MHz, 3.5dB Gain Roof Mount Antenna (HAE4012)	$33.00
G494	UHF 494-512 MHz, 3.5dB Gain Roof Mount Antenna (HAE4013)	$33.00
G428	UHF 445-470 MHz, 3.5dB Gain Roof Mount Antenna (HAE4011)	$50.00
G431	UHF 380-470 MHz, 2dB Wideband Gain Antenna (HAE6013)	$58.00
G89	No Antenna Required	$0.00
Warranty Options:		
G400	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$53.00
G24	Express Service Plus Plan (ESP) 2 Year - Provides for 2 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$102.00

ASTRO® Digital XTL™ 1500 Mobile

VHF / UHF

ACCESSORIES

SUGGESTED RETAIL

XTL 1500™	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
	Microphones:		
X	HMN4079	Keypad Microphone	$320.00
	Cables:		
X	HKN4191	Mobile Power Cable	$18.00
X	HKN6160	Cable Kit 6' Data	$50.00
X	HKN6183	RS-232 Programming Cable	$66.35
	Miscellaneous:		
X	HLN5113	Emergency Footswitch	$61.75
	Speakers		
X	HSN4038	External 7.5 Watt Water Resistant Remote Mount Speaker (XTL 1500 - requires HKN6127 Adapter Cable for Dash Mount Compatibility)	$60.50
	Mounting Accessories:		
X	HLN6372	Key Lock Mounting	$44.00
X	HLN6925	Control Station Mount	$95.00
	Antennas:		
X	HAD4006	VHF 1/4 Wave Roof Mount Antenna, 136-144 MHz	$19.50
X	HAD4007	VHF 1/4 Wave Roof Mount Antenna, 144-150.8 MHz	$19.50
X	HAD4008	VHF 1/4 Wave Roof Mount Antenna, 150.8-162 MHz	$19.50
X	HAD4009	VHF 1/4 Wave Roof Mount Antenna, 162-174 MHz	$19.50
X	RAD4010ARB	VHF 3dB Gain Roof Mount Antenna, 136-174 MHz - 3.4 MHz Bandwidth	$58.50
X	HAE6012	UHF 1/4 Wave Whip Antenna, 380-433 MHz	$23.00
X	HAE4003	UHF 1/4 Wave Roof Mount Antenna, 450-470 MHz	$20.00
X	HAE4004	UHF 1/4 Wave Roof Mount Antenna, 470-512 MHz	$20.00
X	HAE6013	UHF 2dB Wideband Gain Antenna 380-470 MHz	$55.00
X	HAE4012	UHF 3.5dB Gain Roof Mount Antenna, 470-494 MHz	$68.00
X	HAE4013	UHF 3.5dB Gain Roof Mount Antenna, 494-512 MHz	$72.00
X	HAE4011	UHF 3.5dB Gain Roof Mount Antenna, 445-470 MHz	$68.00
X	HAE6010	UHF 3.5dB Gain Antenna, 380-433 MHz	$63.00
X	HAE6011	UHF 5dB Gain Antenna, 380-433 MHz	$63.00
X	RAE4016ARB	UHF 5dB Gain Antenna, 494-512 MHz	$67.75
X	RAE4014ARB	UHF 5dB Gain Roof Antenna, 445-470 MHz	$73.00
	Software:		
X	RVN4185	ASTRO 25 Mobile Software CD, Version R01.00.00 - 3 Year Subscription	$265.00
X	RVN4186	ASTRO 25 Portable/Mobile Software 2 CD Set - 3 Year Subscription - (RVN4185 & RVN4181) - requires Mobile Cable HKN6183	$375.00

CDR700 and CDR500 REPEATER HOUSINGS

SUGGESTED RETAIL

CDR Repeater Housings:
- **CDR700 (Desktop Mount)**
- **CDR500 (Wall Mount)**

Each CDR700/CDR500 Housing Includes:
- **Power Supply**
- **Fan Kit**
- **Repeater Interface Cables**
- **Service Manual**
- **2 Year Warranty**

CDR700

CDR500

Notes:

1. Each repeater housing utlizes two (2) CDM Series mobiles.
2. All CDM Series LowBand, VHF & UHF models are compatible.
3. FCC Frequency Stability requirements for repeater applications have been met for UHF 450-512 MHz operating at 12.5 kHz channel spacing. See the Mobile price pages for new CDM750, CDM1250 & CDM1550 models.

Step One: (Required)

MANUF.SUGG.RETAIL PRICE

Select One (1) CDR Repeater Housing. These housings are compatible only with CDM Series Mobiles

NOTE: HKKN4000 Power Sense Cable: In the event of a power loss, this cable will allow the repeater to power up automatically once A/C is restored.

HKLN4056	CDR700 Desktop Repeater Housing This housing contains one controller slot which accommodates 7" wide repeater controllers.	$405.00
HKLN4060	CDR500 Wall Mount Repeater Housing This housing contains two controller slots which accommodate 7" wide repeater controllers.	$615.00

Step Two: (Required)

Select Two (2) CDM Series Mobiles

- See CDM Series price pages for model availability and pricing
- Any two (2) CDM LowBand, VHF or UHF models can be utilized.

Step Three: (Required)

Select Repeater Controller

HLN3948	**Basic Interface Repeater Controller** Provides repeater functionality, remote knock-down/set-up, in/crossband and uni/bi directional capabilities. "B" version includes a mounting shroud which is required for proper installation within the CDR700 repeater housing.	$254.00
HLN9119	**ZR340 Advanced Interconnect Controller** Provides advanced interconnect capabilities including password driven access and disconnect codes, customized toll restrict and toll restrict bypass. Does not use RSS. Programming done via DTMF parameters.	$765.00

See next page for additional steps.

CDR700 and CDR500 REPEATER HOUSING ACCESSORIES

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE

Step Four: (Optional)
All duplexers have female type "N" connectors.

Select One (1) Tuned Duplexer (5 Days ARO) - Specify frequency for tuning.

HFD8465	VHF Duplexer, 150-160 MHz (requires Internal Duplexer & Antenna Cable Kit - minimum & maximum freq. separation is 4.5 MHz/6 MHz) **Note: To order this Duplexer TUNED, call Dealer Support Services to place your order at 800-927-2744, Prompt 1, 1.**	$393.00
TDE7780	UHF Duplexer, 450-470 MHz (requires Internal Duplexer & Antenna Cable Kit - minimum & maximum frequency separation is 5 MHz)	$385.00

OR

Select One (1) Untuned Duplexer - Requires tuning in the field.

VHF - Duplexers

HFD8188	VHF Duplexer, 144-155 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$433.00
HFD8189	VHF Duplexer, 155-162 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$486.00
HFD8190	VHF Duplexer, 162-174 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$478.00

UHF - Duplexers

HFE8400	UHF Duplexer, 406-450 MHz (minimum & maximum freq. separation 5 MHz)	$390.00
RFE4000	UHF Duplexer, 450-470 MHz (requires Internal Duplexer & Antenna Cable Kit)	$365.00
HFE8401	UHF Duplexer, 470-490 MHz (minimum & maximum freq. separation 3 MHz)	$438.00

Step Five: (Only required if using a Duplexer)

HKKN4002	CDR700 & CDR500 Internal Duplexer & Antenna Cable	$53.00
HKKN4001	CDR700 & CDR500 External Duplexer & Antenna Cable - required when using separate transmit and receive antennas or duplexers that do not fit into CDR500 & CDR700 housings.	$53.00

Step Six: (Optional)

Select an Antenna

RDD4527	VHF 3dB Gain Antenna, 150-158 MHz	$327.00
RDE4556	UHF 3.8dB Gain Antenna, 450-470 MHz	$270.00

Contact RPSD for additional antennas.

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE

Mounting Accessories:

HLN9169	CDR500 & GR500 Wall & 19" Panel Mount	$50.00
HKLN4117	CDR500 Radio & Duplexer Mounting Bracket Retrofit Kit - This bracket allows the installation of CDM Series mobiles within a GR500 repeater housing.	$89.00

General Accessories:

HLN9455	CDR700, GR1225, RKR1225 & GR400 X-Pand Battery Revert & Float Maintenance Charger	$129.00
HPN9033	CDR700, GR1225 & RKR1225 Power Supply	$201.60
HPN9005	CDR500 & GR500 Power Supply	$492.00
AARMN4026	Enhanced Keypad Microphone (Supports Remote Monitor)	$99.00
HMN3000	Desk Microphone, Black	$120.00
HKKN4000	Power Sense Cable - in the event of a power loss, this cable will allow the repeater to power up automatically once A/C is restored.	$25.00
HLN9457	Hardware Kit for use with the Expanded Accessory Connector (includes 16 connector pins, five (5) 8" wires with pins attached and an extra housing)	$6.95
6864110R66	CDR700 & CDR500 Service Manual	$15.00

CDR700 and CDR500 REPEATER HOUSING ACCESSORIES

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE

Preselectors: - To order these Preselectors TUNED, call Dealer Support Services to place your order at 800-927-2744, Prompt 1, 1. To order these Preselectors UN-TUNED, order directly through RPSD.
The CDR700 allows for the internal installation of either a duplexer or a preselector.
The CDR500 allows for internal mounting of a duplexer and a preselector.
All preselectors have female type "N" connector. A dealer supplied type "N" male to male connector is required for proper operation. The length of the cable depends on your application. Call Motorola RPSD Parts ID at 800-422-4210 to find a cable for your individual application or for additional preselector options.

HFD8461	VHF Preselector, 144-160 MHz	$336.00
HFD8462	VHF Preselector, 160-174 MHz	$336.00
HFE8459	UHF Preselector, 440-474 MHz	$336.00

Lightning Protection Recommendation Accessories:

Phone/Remote Line Suppressors:

RRX4021	Single Line Suppressor	$50.00

Coaxial Cable In-Line Arrestors:

RRX4025	Type "N" Connector	$65.00
RRX4032	Tower Mounting Hardware	$15.00

Desktop Controllers and Remote Adapters:

See Desktop Controllers and Remote Adapters for pricing and ordering information within this section.

SUGGESTED RETAIL

BASE/REPEATER INTERFACE PACKAGE
LOW BAND BASE STATION/REPEATER

Base Interface Package Includes:

- 31" x 15" Cabinet (includes hinged mounting tray for CDM Series mobile(s) and related accessories)
- 100W Amplifier
- 120 VAC 60 Hz Power Supply with Battery Revert Capability
- Assembly Kit
- Service Manual

Notes:

1. Each repeater housing utlizes up to two (2) CDM Series mobiles (sold separately).
2. All CDM LowBand models are compatible.
3. See CDM Series price pages for model availability and pricing.
4. Dimensions of the station/repeater are 31"H x 22"W x 15"D.
5. Antenna connector is Type N Female.

Step One: (Required)

MANUF.SUGG.RETAIL PRICE

Select One (1) Base/Repeater Interface Repeater Housing

These housings are compatible only with CDM Series Mobiles.

RDB4455	Base & Repeater Interface Kit, 30-36 MHz	$4,650.00
RDB4456	Base & Repeater Interface Kit, 36-42 MHz	$4,650.00
RDB4457	Base & Repeater Interface Kit, 42-50 MHz	$4,650.00

Step Two: (Required)

Select CDM Series Mobiles

- See CDM LowBand Series price pages for model availability and pricing
- Order one CDM LowBand model for base configuration; two are required for repeater configuration.

Step Three: (Required for repeater configuration only)

Select Repeater Controller

HLN3948	Basic Interface Repeater Controller Provides repeater functionality, remote knock-down/set-up, in/crossband and uni/bi directional capabilities. "B" version includes a mounting shroud which is required for proper installation within the CDR700 repeater housing.	$254.00
HLN9119	ZR340 Advanced Interconnect Controller Provides advanced interconnect capabilities including password driven access and disconnect codes, customized toll restrict and toll restrict bypass. Does not use RSS. Programming done via DTMF parameters.	$765.00

Step Four: DC/Tone Remote Capability (Optional)

If DC/Tone Remote capability is required, see MC Series price pages for DC/Tone Remote adapters and deskset options.

REPEATER INTERFACE COMMUNICATIONS KIT™

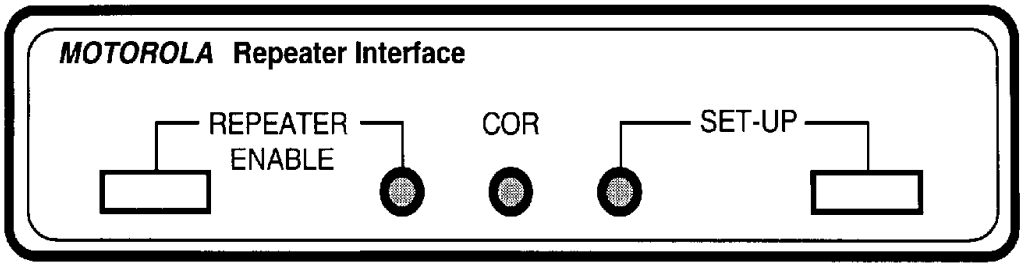
SUGGESTED RETAIL

The Repeater Interface Communications Kit Model Includes:

- **For use with CDM750, CDM1250 & CDM1550**
- **Selectable Hang Time**
- **PL, DPL, CSQ**
- **Uni-Directional or Bi-Directional Repeater Operation**
- **Singleband and Crossband Operation**
- **Transparent Operation**
- **Remote Repeater Set-Up and Knock Down**
- **LED Indicators for Repeater Enable, COR and Repeater Set-Up**
- **Front Panel Control for Repeater Enable and Set-Up**
- **Interface Box, Mounting Bracket and all required Cables**

MODEL	DESCRIPTION	MANUF.SUGG. RETAIL PRICE
HLN3333	Repeater Interface Communications Kit (includes manual)	$329

General Accessories:		
HKN9019	16 Pin Conductor Cable - same as HKN9969 (3 Ft. long enhanced connectors)	$13.75
HKN9969_R	Accessory for Repeater Interface Communications Kit - additional 16 conductor cable (3 Ft. long) for connection to other accessories.	$35.50
Manuals:		
6880901Z79-B	R.I.C.K. Service & Programming Manual (most current issue includes MMR-062)	$5.40



MC1000™, MC2000™ & MC2500™ Desktop Controllers

EXTENDED LOCAL, DC & TONE REMOTE CONTROL

All MC1000, MC2000 and MC2500 Models Include:
- Single Frequency Station Control (Local Model)
- 4 Frequency Station Control (Tone & DC Model)
- Push-to-Talk Handset
- 2 or 4 Wire
- LOTL/LOBL
- Black Color
- Volume Control / Transmit LED
- Monitor Switch
- 120V AC - 60 Hz Power Supply
- Supervisory Takeover or Line Select (Tone/DC)
- Operator Cross Mute
- Intercom
- LTR® Compatible
- Service Manual
- One Year Warranty

MC2000 MC2500 MC1000

MC2500 Only Additional Features:
- 4 Base Station Control - Capable of controlling 4 Tone channels or 3 Tone channels and 1 DC channel.
- Also capable of E & M control on all channels. Use of a Tone or DC Remote Adapter is required when connected to a mobile in a tray.
- Connector for Unselect Speaker
- Individual Volume Control
- Dedicated Logging Recorder Output
- Radio Patch
- Multi - Select
- Multi -Tasking
- All Mute

MC2000/MC2500 Additional Features:
- 18 Programmable Buttons
- 2 Line x 20 Character Backlit Display
- Multi-Frequency Capability - up to 16 frequencies on Tone
- 110V/220V AC - 50/60 Hz Power Supply
- MDC Features:
  - PTT Unit ID (Encode/Decode)
  - Voice Selective Call (Encode/Decode)
  - Call Alert/Short Call Alert (Encode/Decode)
  - Status Message (Decode)
  - Radio Enable/Disable (Encode)
  - Radio Check (Encode)
  - Emergency Alarm (Decode)
- Recent User Stack - Last nine records are stored for review at any time.
- RS232 Port - Allows RSS programming via computer or the logging of MDC1200 inbound/outbound Serial Printer Port activity for permanent record keeping on a serial printer.
- Paging Encode - Allows you to selectively call a pager, portable, or mobile unit and eliminate the need to purchase a stand alone encoder. The following schemes are supported: QC II, 2 Tone, 5 Tone, 6 Tone, Digital Dial, Reach 1+1, GE 99, NEC 5 & 6, DTMF or Custom A and B tones.
- Aux I/O's
- Securenet Coded/Clear Operation - Supports positive mode control (Tone)

Notes:
1) Intercom - Allows communication between desksets without accessing the radio frequency
2) Up to 10 remotes can be used in parallel.
3) MC Series remotes are not compatible with 900 MHz MaxTrac Mobiles.
4) MC2000 and MC2500 units require RSS programming software.
5) MC2500 unselect speaker port supports a passive speaker only.
6) For unexpected out-of-box failures or quality issues, the MC Series and MC3000 must be returned for warranty repair. Please refer to the user's manual. Units will be replaced if they are sent in a total of 3 times and continue to exhibit the same problem.
7) For L3276 & L3277, radio interface cable not included. Must be ordered separately.

Extended Local Control Model Only
- If more than one L3211 or L3214 is used in parallel, the total distance of all parallel units cannot exceed 1000 Ft..

DC and Tone Remote Control Models Only:
- For DC and Tone Remote Control: If base is not remote capable, a Remote Adapter is required (see L3276 & L3277).
- The L3213 Desksets support channel steering between 4 talkgroups over conventional or LTR® Trunking Systems.
- The L3216 and L3217 Desksets support channel steering between 15 talkgroups over conventional or LTR® Trunking Systems.

MODEL NUMBER	DESCRIPTION	MANUF.SUGG. RETAIL PRICE
L3211	MC1000 Extended Local Control Deskset - Single Frequency	$285
L3212	MC1000 DC Remote Control - 4 Frequency Maximum, 2-Wire or 4-Wire	$545
L3213	MC1000 Tone Remote Control - 4 Frequency Maximum, 2-Wire or 4-Wire	$525
L3214	MC2000 Extended Local Control Deskset - Single Frequency	$1,080
L3215	MC2000 DC Remote Control - 4 Frequency Maximum, 2-Wire or 4-Wire	$1,360
L3216	MC2000 Tone Remote Control - 16 Frequency Maximum, 2-Wire or 4-Wire, Parallel Status Updating	$1,280
L3217	MC2500 Multi-Channel Remote Control	$2,482

MC1000™, MC2000™ & MC2500™ Desktop Controllers

Date 1/9/06

SUGGESTED RETAIL **ACCESSORIES**

MODEL NUMBER		MANUF.SUGG.RETAIL PRICE
Tone & DC Remote Adapters - includes AC Power Supply (DDN7066) and Install/Service Manual:		
L3276	Tone Remote Adapter	$655.00
L3277	DC Remote Adapter	$512.00
General Accessories:		
HMN3000	Desk Microphone for MC2000, MC2500 & L3276, Black	$120.00
HLN9457	Hardware Kit for use with the Expanded Accessory Connector (includes 16 connector pins, five (5) 8" wires with pins attached and an extra housing)	$6.95
DDN6516	Headset Jackbox - adds headset capacity See MC3000 pages for compatible headsets	$110.00
DDN6668	Single Footswitch	$94.00
Extended Local Control Accessories (for use with L3211 and L3214):		
DDN6337	Junction Box (order appropriate cable below) For connecting up to 6 local control desksets to the station.	$398.00
Radio Interface Cables (for use with DDN6337, L3276 and L3277):		
DDN6338	Radio Interface Cable (10 Ft.) for use with MaxTrac (16 pin accessory connector required), SM120™, M1225™, CDM750™, CDM1250™, CDM1550™ & CDM1550•LS+™	$72.00
DDN6340	Generic Radio Cable (10 Ft.) - unterminated, bare leads (can also be used with L3217)	$50.00
Field Install Kits:		
DDN6481	Punch Block with Spark Gap (recommended)	$405.00
DDN6341	110VAC Transformer for MC1000 models	$49.00
DDN6342	110/220VAC - 50/60 Hz Power Supply for MC2000 and MC3000 models	$169.00
DDN6339	110/220VAC - 50/60 Hz Power Supply for MC2500 models	$198.00
DDN7066	110/220VAC - 50/60 Hz Power Supply for L3276 & L3277 Remote Adapters	$155.00
Programming (MC2000 and MC2500 Models Only):		
RVN4178	Radio Service Software (includes CD-ROM)	$265.00
DDN6367	Radio Service Software Cable AT (DB9)	$35.00

MC3000™ Digital Desktop Controller

Trunked or Conventional Systems

For CDM1550 Series Radios

The MC3000 Digital Desktop Controller is capable of controlling all trunking and conventional functions of the CDM1550 Series Radio. The MC3000 acts similarly to the radio's control head and will NOT provide capabilities above and beyond the radio. A maximum of thirty-one (31) desktop controllers can be connected in parallel to one station using a junction box and the appropriate cable kits. The MC3000 in a local configuration allows up to 5000 Ft. of total cable length. The radio CANNOT be used as a dispatch when an MC3000 is connected. If two or more dispatch positions are needed, two (2) MC3000 units and a junction box should be purchased.

Standard Features:

- Local Control
- Handset with Push-to-Talk (PTT) Switch
- Desk or Wall Mountable Housing
- Internal Dispatch Microphone
- Front Panel PTT Capability
- 2 x 20 Character Backlit Display
- 110V/220V In-line Power Supply
- Compatible with a Desk Microphone, Footswitch and Headset
- Parallel Operation
- Parallel Status Updating
- Supervisory Takeover
- Intercom Capability
- Automatic Line Leveling
- Black Housing
- Instruction Manual

Order Requirements for Local Control: The basic model of the MC3000 is designed for local control only.

1) An MC3000 Junction Box (L3239) is required for each CDM1550™ and CDM1550·LS+™ being controlled. The MC3000 Junction Box is connected to the radio via a 10 foot cable.
2) A Remote Mount Kit (RLN4802) and Remote Mount Cable (RKN4077) are required to remote control a CDM1550 and CDM1550·LS+™ radio.
3) Each desktop controller must be connected to the MC3000 Junction Box using a minimum of Category 3, 8-conductor straight through cable with RJ45 Telco connectors. Maximum aggregate cable length is 5000 Ft..
4) For remote system, two (2) juncion boxes with the same modem options are required.
5) For unexpected out-of-box failures or quality issues, the MC Series and MC3000 must be returned for warranty repair. Please refer to the user's manual. Units will be replaced if they are sent in a total of 3 times and continue to exhibit the same problem.
6) For a headset to be connected, the following is required: Headset Jackbox (DDN6516), Headset Base (CDN6281_R or CDN6282_R) and a Headset top.

MODEL NUMBER	DESCRIPTION	MANUF.SUGG. RETAIL PRICE
L3223	Digital Desktop Controller	$876

Junction Box:

L3239	Digital Junction Box for CDM1550™ Series Radios	$682
Options for Junction Box Only:		
ZA00277AA	Leased Line Modem	$677
ZA00278AA	Dial-Up Modem	$878

MC3000™ Digital Desktop Controller

Trunked or Conventional Systems

For CDM1550 Series Radios

SUGGESTED RETAIL

ACCESSORIES

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
General Accessories		
DDN6342	110/220VAC - 50/60 Hz Power Supply for MC2000 and MC3000 models	$169.00
RLN4802	Remote Mount Kit - CDM1550 and CDM1550•LS+ models only	$93.50
RKN4077	Remote Mount Cable, 3 meter length - CDM1550 and CDM1550•LS+ models only	$8.25
HMN3000	Desk Microphone, Black	$120.00
DDN6668	Single Footswitch	$94.00
BLN6732	Dual Footswitch	$106.00
DDN6516	Headset Jackbox	$110.00
CDN6282_R	Headset Amplifier Module Base (15 Ft. Coil Cord)	$245.00
CDN6281_R	Headset Amplified Module Base with PTT Switch (15 Ft. Coil Cord)	$204.00
RLN5130	Headset Amplified Module Base with PTT Switch (25 Ft. Coil Cord)	$242.00
Operator Audio Accessories:		
All headset "tops" below require Audio Accessory Box (DDN6516) and Amplified Module Base (CDN6282_R, CDN6281_R or RLN5130):		
CDN6290_R	Noise Cancelling Supra Monaural - replaces voice tube with unidirectional microphone	$149.00
CDN6286	Encore Monaural - single speaker headband style with user selectable tone control	$127.00
CDN6293	Noise Cancelling Encore Monaural - replaces voice tube with unidirectional microphone	$145.00
CDN6294	Noise Cancelling Encore Binaural - replaces voice tube with unidirectional microphone	$184.00
CDN6295	StarSet - over-the-ear design with eartip receiver that fits into the ear for sound clarity	$110.00
CDN6297_R	Supra Monaural - Single Speaker Headband Style	$110.00

Date 1/9/06

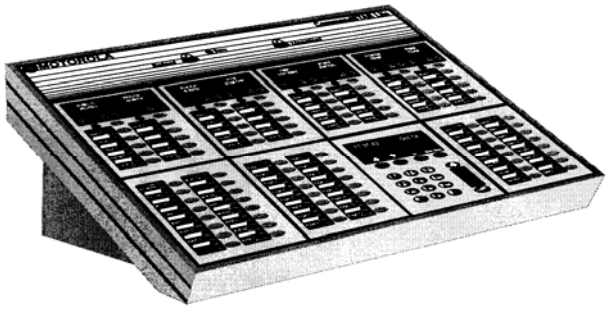
SUGGESTED RETAIL

CommandSTAR Lite™

DESKTOP or RACKMOUNT CONSOLE CONVENTIONAL AND DIGITAL CONTROL

All CommandSTAR Lite models include:

- **CSDM (CommandSTAR Lite Database Manager), Programming Software**
- **Keypad Module with Display and PTT**
- **Auxiliary Control Module (ACM) - 16 function buttons w/LEDs**
- **Parallel Status Updating (on Tone & Digital Control channels only)**
- **Internal Condenser Microphone on desktop versions only**
- **Two (2) Speakers (Select and Unselect)**
- **One (1) RS232 Port (logging printer, CSDM, or Netclock)**
- **One (1) Recorder Port (600 ohms) for select audio and microphone audio**
- **Four (4) Audio Accessory Ports for headset, footswitch, desk microphone and gooseneck microphone (only one (1) active at a time)**
- **Call Director Interface**
- **Dispatcher Busy LED**
- **110/220V AC 50-60 Hz Power Supply**
- **Operator, Installation and CSDM Manuals**
- **One Year Warranty**



General Information:

1. Punchblock and Cable for base station interface does not ship standard.
2. All other orders should be faxed to Motorola at **1-800-628-5932.**
3. The CommandSTAR Lite is a fully featured self contained Dispatch Console available in both a desktop package and rackmount configuration. Each console can support up to eight different RF resources. These resources can be Base stations, Repeaters or Control Stations. In addition the CommandSTAR Lite supports 2 analog telephone interfaces.
4. The basic unit comes complete with Select and Unselect speakers, power supply, full numeric Keypad module (with display) and an Auxiliary Control Module (ACM). The Keypad module provides the means to enter telephone numbers and paging codes as well as allowing access to basic parameters and diagnostic menus. The ACM features 16 programmable buttons that can be used for a variety of functions such as I/O control and Paging.
5. Six additional modules can be added to the unit for control of resources or provision of further I/O and paging controls. These modules can consist of any combination of the following:
   - Channel Control Module (CCM) - supports two (2) RF resources
   - Single Display Channel Control Module (SDCCM) - supports a single RF resource providing a display for channel/ frequency aliases and signalling decode.
   - Display Channel Control Module (DCCM) - supports two (2) RF resources providing a display for channel/frequency aliases and signalling decode.
   - Digital Radio Control Module (DRCM) - supports a single control station via SB9600 bus and provides a display.
6. The CommandSTAR Lite has a Call Director port for connection to an external telephone system, allowing calls to be answered via the console. A single RS232 port is provided for connection to the CommandSTAR Database Manager (CSDM) computer that is used for programming, configuring and monitoring the console. This port can also be used as an output connection to a printer for logging Stat-Alert call information.

Ordering Requirements:

1. All CommandSTAR Lite consoles ship with programming software (CSDM) which requires a PC operating Windows XP with an available serial port. A cable is not provided and needs to be ordered separately (CDN6181 or CDN6182).
2. The CommandSTAR Lite can be ordered as a desktop or rackmount unit in one of two base configurations. The base configuration chosen will depend upon the requirements for mounting and interface to control stations with digital keying.

Model	Mounting	Number of Channels supported	Supports Digital Interface to Control Station
L3179	Desktop	8 Max	No
L3331	Desktop	8 Max	Yes - four
L3250	Rackmount	8 Max	Yes - four

Ordering Requirements Continued:

3. The appropriate number of control modules must be ordered for the unit
   - A CCM (Z100AB) and DCCM (Z102AB) each support two channels. The DCCM provides a 2 line display for alias and message/status decodes for each channel. The CCM provides space for a printed label to identify the channel. Each channel has three programmable buttons for functions such as Repeat Enable/disable, Multiple frequency selection, etc.
   - A SDCCM (Z103AB) support a single channel, providing a 2 line display for alias and message/status decodes. Each unit provides eight programmable buttons for functions such as Repeat Enable/disable, Multiple frequency selection, etc.
   - For TRC or E&M control no option is required. However for DC control, order the DC Control Module (Z124). This will provide DC Control for up to four channels. If more channels require DC control, then a second Z124 option should be ordered.

4. If a digital interface to a radio is to be used, then order the DRCM (ZA00170AA). One is required for each radio. This option can only be used with the L3331 and L3250 models. A Digital Junction Box is required for each radio connected to a DRCM. For a CDM1550™ radio order a L3239, CDM1550 Remote Kit (RLN4802) and Remote Cable Kit (RKN4077). The junction box allows up to six (6) CommandSTAR Lite consoles to be connected to a radio. Junction Boxes can be found on the MC3000 price page.

5. If more than four DRCM's are required, then order a Digital Remote Control Board (DDN6137) to field install and the additional DRCM options. Note the maximum amount of DRCM's that can be installed is six.

6. Connection from the CommandSTAR Lite to the RF equipment and Junction boxes is via two 50-way telco connectors using 25-pair cable. Channels 1-4 are on one connector and channels 5-8 are on the other. Order the appropriate cables (CDN6300, CDN6301 or CDN6302) and punch block (DDN6481).

7. If additional Auxiliary controls are required, above those supported by the initial ACM module, then order the appropriate number of option Z104AB. This option adds an ACM to the unit giving 16 more controls.

8. If telephone resources are required, then an option Z118 is ordered. This option provides an interface to two separate POTS lines. Only one Z118 option is allowed.

9. Accessories can be ordered as required. The Desktop CommandSTAR Lite has a built in condenser microphone, but a desk microphone, HMN3000, or gooseneck microphone, TDN9941, can be used. If a footswitch is required order BLN6732 and up to two (2) headset jacks, DDN6516, may be connected. A number of headsets are listed. Any of these may be used with the CommandSTAR Lite Console. These headsets consist of two parts, a base and a top. A choice of two bases is available (CDN6281 and CDN6282) and several tops are available. For each headset to be connected, the following is required: Headset Jack-box, Headset Base and a Headset Top.

Capacity Limitations

The CommandSTAR Lite has some fundamental capacity limitations as detailed below:

1. Maximum number of channels supported = 8
2. Maximum number of Control Module options = 6

Therefore -

2*(Qty of Z100AB + Qty of Z102AB) + Qty of Z103AB + Qty of ZA00170AB <= 8

AND

Qty of Z100AB + Qty of Z102AB + Qty of Z103AB + Qty of Z104AB + Qty of ZA00170AB <= 6

The table below gives examples of combinations that fit the rules above.

Type of Module			Number of Channels	Number of Modules
Dual Channel Z100 and Z102	Single Channel Z103 and ZA00170	ACM Z104		
0	6	0	6	6
1	5	0	7	6
2	4	0	8	6
3	2	1	8	6
4	0	2	8	6
0	1	5	1	6
0	2	4	2	6
0	3	3	3	6
0	4	2	4	6
0	5	1	5	6
0	6	0	6	6

CommandSTAR Lite™

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DESKTOP or RACKMOUNT CONSOLE MODELS / OPTIONS

SUGGESTED RETAIL

MODEL	DESCRIPTION	MANUF.SUGG. RETAIL PRICE
L3179	**Eight (8) Channel Desktop Console** Desktop console with capacity for eight (8) analog channels, supporting TRC, DC or E&M control. Includes Power Supply, Select and Unselect speakers, Keypad module and one Auxiliary Control Module. Appropriate Control Modules must be ordered, a maximum of six (6) additional modules can be ordered.	$6,884
L3331	**Eight (8) Channel Desktop Console, with Digital Control Capability** Desktop console with capacity for eight (8) analog channels, supporting TRC, DC, and E&M control with the capability to support four (4) radios via digital control. Includes Power Supply, Select and Unselect speakers, Keypad module and one (1) Auxiliary Control Module. Appropriate Control Modules must be ordered, a maximum of six (6) additional modules can be ordered.	$7,450
L3250	**Eight (8) Channel Rackmount Console, with Digital Control Capability** Rack mount console with capacity for eight (8) analog channels, supporting TRC, DC, and E&M control with the capability to support four (4) radios via digital control. Includes Power Supply, Select and Unselect speakers, Keypad module and one (1) Auxiliary Control Module. Appropriate Control Modules must be ordered, a maximum of six (6) additional modules can be ordered.	$7,450

Junction Box:

L3239	**Digital Junction Box for CDM1550™ Series Radios** (One (1) required per digital radio)	$682
Options for Junction Box Only:		
ZA00277AA	Leased Line Modem	$677
ZA00278AA	Dial-Up Modem	$878

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
Operator Control Modules: **See ordering requirements. Channel modules provide operator control for two base stations (with Select, Instant TX, Volume Control Knob, and Mute per channel) and are available with or without displays. Display required to decode MDC1200 per channel.**		
Z100AB	Dual Radio Channel Control Module (CCM) Add two (2) channels identified by fixed labels. Three option buttons available per channel.	$484.00
Z102AB	Dual Channel Control Module with Display (DCCM) Activates two (2) line by 8 character display for each channel. Three option buttons available	$976.00
ZA00170AA	Digital Radio Control Module (DRCM) Add one (1) digital channel with two (2) line by 16 character display. Compatible with L3331 & L3250 only.	$1,076.00
Z104AB	Auxiliary Control Module (ACM) Adds sixteen (16) additional function control buttons and LEDs to be custom programmed with any combination of common control features.	$388.00
Z103AB	Single Channel Control Module with Display	$500.00
Z118AC	Two Phone Lines Adds interface to main board for two (2) CO phone lines. Lines support Caller ID. Each phone line requires a button on an ACM to access it. Additional ACM buttons are used for Talk, Release and Hold.	$520.00
Z124AC	DC Control One (1) Z124 allows for DC control on up to four (4) channels.	$750.00

CommandSTAR Lite™

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DESKTOP or RACKMOUNT CONSOLE ACCESSORIES

SUGGESTED RETAIL

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
Programming Cables:		
CSDM is included with each unit; however, the appropriate cable must be ordered for programming		
CDN6182	25 Ft. CSDM AT Computer Cable (DB9 serial port on PC)	$92.00
General Accessories:		
HMN3000	Desk Microphone, Black	$120.00
DDN7526	Gooseneck Microphone for Desktop Console	$295.00
BLN6732	Dual Footswitch	$106.00
DDN6516	Headset Jackbox	$110.00
RLN4802	Remote Mount Kit - CDM1550 and CDM1550•LS+ models only	$93.50
CDN6282_R	Headset Amplifier Module Base (15 Ft. Coil Cord)	$245.00
CDN6281_R	Headset Amplified Module Base with PTT Switch (15 Ft. Coil Cord)	$204.00
RLN5130	Headset Amplified Module Base with PTT Switch (25 Ft. Coil Cord)	$242.00
Operator Audio Accessories:		
All headset "tops" below require Audio Accessory Box (DDN6516) and Amplified Module Base (CDN6282_R, CDN6281_R or RLN5130):		
CDN6290_R	Noise Cancelling Supra Monaural - replaces voice tube with unidirectional microphone	$149.00
CDN6286	Encore Monaural - single speaker headband style with user selectable tone control	$127.00
CDN6293	Noise Cancelling Encore Monaural - replaces voice tube with unidirectional microphone	$145.00
CDN6294	Noise Cancelling Encore Binaural - replaces voice tube with unidirectional microphone	$184.00
CDN6295	StarSet - over-the-ear design with eartip receiver that fits into the ear for sound clarity	$110.00
CDN6297_R	Supra Monaural - Single Speaker Headband Style	$110.00
Field Upgrade Kits:		
DDN6130	Dual Radio Channel Control Module (CCM)	$559.00
DDN6131	Dual Radio Channel Control Module with Display (DCCM)	$1,051.00
DDN6138	Digital Radio Control Module (DRCM)	$1,124.00
TDN9897	DC Control (one (1) TDN9897 allows for DC control up to 4 channels)	$775.00
DDN6659	Modem Card, Leased Lines for Digital Junction Box Installation	$727.00
Punchblocks and Cables:		
Order one (1) Punchblock and Telco Cable for every four (4) radio channels being controlled.		
DDN6481	Punch Block with Spark Gap (recommended)	$405.00
CDN6300	15 Ft. Telco Cable - twenty five (25) pair telco cable, one 50-pin male and one 50-pin female connector (one rear-entry, one right angle)	$29.70
CDN6301	50 Ft. Telco Cable - twenty five (25) pair telco cable, one 50-pin male and one 50-pin female connector (one rear-entry, one right angle)	$44.50
CDN6302	100 Ft. Telco Cable - twenty five (25) pair telco cable, one 50-pin male and one 50-pin female connector (one rear-entry, one right angle)	$74.20
RKN4077	Remote Mount Cable, 3 meter length - CDM1550 and CDM1550•LS+ models only	$8.25

FIXED

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SUGGESTED RETAIL

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RADIUS VL50™ PORTABLE

SPECIFIC FREQUENCY SERIES

The VL50 portable model includes:

- **Standard Battery (1100 mAh Li-ion, 3.6V - 56557)**
- **Standard Charger (120V Double Unit Charger - 56553)**
- **Swivel Belt Holster (HCLN4013)**
- **AAA Battery Tray (1564200W18)**
- **User Guide (6881096C37)**
- **One Year Warranty**

Product Features:

- **Up to 8 Channels**
- **12.5/25 kHz Switchable Channel Spacing**
- **Scan**
- **83 DPL, 38 PL Codes**
- **VibraCall Alert**
- **Battery Meter**
- **Radio Signal Strength Indicator**
- **Enhanced VOX (No accessory needed)**
- **7 Selectable Call Tones**
- **Also Operates on 3 AAA Batteries for Emergency Situations**

Default Frequencies

Radio is shipped on default frequencies listed below with Code 1 (67 Hz) as the default:

UHF	
464.500	467.850
464.550	467.875
467.7625	467.900
467.8125	467.925

Note: See User's Guide for additional frequencies.

BAND	PWR	CHAN	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
UHF	1W	8	P24VPC03D2_A	$236

RADIUS CP100™ PORTABLE

SPECIFIC FREQUENCY SERIES

All CP100 portable models include:

- **Standard Battery (1500 mAh NiMH, 4.8V Battery - NNTN4190)**
- **Standard Charger (120V 10 Hour Drop In Charger - NNTN4077 Plug In Charger / NNTN4019 Drop In Charging Tray)**
- **Swivel Belt Holster (NNTN4106)**
- **User Guide**
- **One Year Warranty**

1 Channel Model

- **1 Channel**
- **12.5/25 kHz Switchable Channel Spacing**
- **Backlit Display**
- **27 VHF Frequencies, 56 UHF Frequencies**
- **83 DPL, 38 PL Codes**
- **Voice Scrambling**
- **Battery Meter**
- **Radio Signal Strength Indicator**
- **Internal VOX**
- **Selectable Call Tones**
- **Mil Spec 810 C, D, E, F**
- **IP54 Weatherproofing**
- **Also Operates on 4 AA Batteries for Emergency Situations**

15 Channel Models

All of the features of the 1 channel model plus…

- **15 Channels**
- **Enhanced VOX (No accessory needed)**
- **User Programmable Scan**
- **Programmable Channel Access Buttons**

1 Channel Models

- **VHF models are shipped on default frequency 151.625 MHz, 12.5 kHz, Code 1 (67 Hz).**
- **UHF models are shipped on default frequency 464.500 MHz, 12.5 kHz, Code 1 (67 Hz).**

15 Channel Models

- **VHF/UHF models are shipped on default frequencies listed below with Code 1 (67 Hz) as the default.**

VHF			UHF		
151.625	151.685	151.895	464.500	467.875	462.675
151.955	151.715	151.925	464.550	467.900	464.325
154.570	151.775	154.490	467.7625	467.925	464.825
154.600	151.805	154.515	467.8125	462.575	469.2625
151.655	151.835	154.540	467.850	462.625	469.500

Note: All Models - See User's Guide for additional frequencies.

BAND	PWR	CHAN	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
VHF	2W	1	P23SSC03F2_F	$247
		15	P23SSF03B2_F	$291
UHF	2W	1	P24SSC03F2_F	$276
		15	P24SSF03B2_F	$320

BPR™ 40 PORTABLES

VHF & UHF Models - 12.5/25 kHz

All BPR™ 40 Portables include:

- **Mag One Battery (NiMH, 1200 mAH - PMNN4071_R)**
- **Mag One Mid-Rate Charger Kit (includes PMLN4685AR Base / PMLN4829AR Transformer - PMLN4738_R)**
- **Mag One Antenna (VHF PMAD4051_R / UHF PMAE4020_R)**
- **Mag One Spring Belt Clip (PMLN4743)**
- **Operating Instruction Manuals**
- **Warranty**
  - · **Portable - One Year**
  - · **Mag One Accessories - Six Months (except PMNN4071_R)**
  - · **All Other Accessories - One Year (includes Mag One Battery - PMNN4071_R))**

Feature Highlights:

- **8 Channel Capability**
- **12.5/25 kHz Switchable Channel Spacing**
- **Small Size and Light Weight**
- **2 Programmable Buttons**
- **Adjustable Power Levels**
- **Priority Scan**

Programmable Buttons:

- **Nuisance Channel Delete**
- **PL/DPL Enable**
- **High/Low Power**
- **Volume Set**
- **Scan**
- **Talkaround**

Preprogrammed Frequencies:

VHF		UHF	
151.625	151.775	464.500	467.850
151.655	151.955	464.550	467.875
151.685	154.570	467.7625	467.900
151.715	154.600	467.8125	467.925

Additional frequencies can be added using the Customer Programming Software.

The following frequencies are not allowed:

VHF		UHF	
153.600	166.400	453.4625	464.525
154.845	168.590	457.145	469.115
158.635	168.775	460.8375	
162.220	169.590	462.025	
164.080		462.075	

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
150-174 MHz	VHF	5W (ships 1W)	8	AAH84KDS8AA1_N (NAVY)	$233.00
450-470 MHz	UHF	4W (ships 1W)	8	AAH84RCS8AA1_N (NAVY)	$250.00

FCC INFORMATION: AZ489FT3810 (150-174 MHz) / AZ489FT4873 (450-470 MHz)

Radius CP125™ PORTABLES

VHF & UHF Models - 12.5/25 kHz

All CP125 Portables include:

- **Battery (NiMH, 1500 mAh, 7.2V - PMNN4063_R)**
- **Charger (120V 3 Hour Rapid Rate - EPNN7994 Transformer / PMTN4086 Charger Base)**
- **Antenna (VHF NAD6502_R / UHF NAE6483_R)**
- **2" Belt Clip (HLN9844)**
- **Operating Instruction Manuals**
- **Warranty**
  - · **Portable - One Year**
  - · **Battery (PMNN4063_R) - Six Month Capacity with Twelve Month Workmanship**
  - · **Accessories - One Year (except PMNN4063_R)**

Feature Highlights:

- **4 Channel Capability**
- **12.5/25 kHz Switchable Channel Spacing**
- **Small Size and Light Weight**
- **4 Front Programmable Buttons**
- **Internal VOX**
- **Adjustable Power Levels**
- **Priority Scan**
- **8 Character Display**

Programmable Buttons:

- **Nuisance Channel Delete**
- **PL/DPL Enable**
- **High/Low Power**
- **Volume Set**
- **Scan**
- **Talkaround**

Preprogrammed Frequencies:

VHF			UHF		
151.625	151.715	154.490	464.500	467.900	464.825
151.955	151.775	154.510	464.550	467.925	469.2625
154.570	151.805	154.540	467.7625	462.575	469.500
154.600	151.835	151.700	467.8125	462.625	469.550
151.655	151.895		467.850	462.675	
151.685	151.925		467.875	464.325	

Additional frequencies can be added using the Customer Programming Software. All frequencies must be divisible by 5.0 or 6.25 kHz.

The following frequencies are not allowed:

VHF		UHF			
142.605	159.385	436.185	446.455	461.345	478.125
150.000	161.450	436.210	451.030	462.560	478.155
151.000	162.275	444.575	452.990	469.765	479.990
151.735		444.605	458.560	475.330	

BAND SPLIT	BAND	PWR	CHANNEL	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
136-174 MHz	VHF	1W to 5W (ships 2W)	4	AAH49KDF8AA1_C	$268
435-480 MHz	UHF		4	AAH49RCF8AA1_C	$282

FCC INFORMATION: ABZ99FT3050 (136-174 MHz) / ABZ99FT4065 (435-480 MHz)

RADIUS CP150™ PORTABLES

VHF & UHF Models - 12.5/20/25 kHz

All CP150 portable models include:

- **Standard Battery (NiCd, 1100 mAh, 7.2V - NNTN4496_R)**
- **Standard Charger (10 Hour Drop In - WPLN4155_R)**
- **Standard Antenna (VHF Heliflex NAD6502_R / UHF Whip NAE6483_R)**
- **3" Belt Clip (HLN8255)**
- **Operating Instruction Manual**
- **2 Year Warranty**

CP150 Portable

Features:

- **4 or 16 Channels**
- **12.5/25 kHz Switchable Channel Spacing**
- **2 Programmable Side Buttons**
- **X-Pand™ Technology**
- **Time-Out-Timer**
- **Busy Channel Lockout**
- **Internal VOX**
- **Single Priority Scan**

Programmable Button Features:

- **Channel Scan**
- **Nuisance Channel Delete**
- **Squelch Levels**
- **Repeater / Talkaround**
- **Volume Set**
- **Tight / Normal Squelch**
- **VOX On / Off**
- **LED Battery Indicator**

The following frequencies are not allowed:

151.19375	168.00625	436.800	443.950
151.200	403.19375	436.80625	443.95625
151.20625	403.200	443.93125	443.9625
167.99375	403.20625	443.9375	443.96875
168.000	436.79375	443.94375	

BAND SPLIT	BAND	PWR	CHAN	CATALOG NUMBER	MANUF.SUGG. RETAIL PRICE
146-174 MHz	VHF	1-2W	4	AAH50KCC9AA1_N	$320
			16	AAH50KCC9AA2_N	$355
438-470 MHz	UHF	1-2W	4	AAH50RCC9AA1_N	$355
			16	AAH50RCC9AA2_N	$390

FCC INFORMATION: ABZ99FT3045 (146-174 MHz) / ABZ99FT4056 (438-470 MHz)

CP150™ PORTABLE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE FOR STEP 1		
	STEP 1:	
Radio Configuration Options:		
STDPKG0018	NiCd, 1100 mAh, 7.2V Battery (NNTN4496_R) and 10 Hour Drop In Charger (WPLN4155_R)	N/C
Q624	NiCd, 1100 mAh, 7.5V Battery (NNTN4496_R) and 90 Minute Rapid Rate Charger (WPLN4138_R)	$21.00
Q654	NiCd, 1100 mAh, 7.5V Battery (NNTN4496_R) and 10 Hour Side Plug Charger (EPNN7997)	-$10.00
Q794	NiMH, 1400 mAh, 7.5V Battery (NNTN4851) and 90 Minute Rapid Rate Charger (WPLN4138_R)	$36.00
Q623	Slim Li-ion, 1600 mAh, 7.5V Battery (NNTN4970) and 90 Minute Rapid Rate Charger (WPLN4138_R)	$50.00
Q651	Li-ion, 2250 mAh, 7.5V Battery (NNTN4497_R) and 90 Minute Rapid Rate Charger (WPLN4138_R)	$57.00
Omit Charger Options:		
Q652	NiCd, 1100 mAh, 7.2V Battery (NNTN4496_R) and No Charger	-$15.00
Q878	NiMH, 1400 mAh, 7.5V Battery (NNTN4851) and No Charger	$14.00
Q648	Slim Li-ion, 1600 mAh, 7.5V Battery (NNTN4970) and No Charger	$29.00
Q653	Li-ion, 2250 mAh, 7.5V Battery (NNTN4497_R) and No Charger	$36.00

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
General Options:		
QA00097	Remote Speaker Microphone with Coiled Cord and Swivel Clothing Clip (HMN9030)	$73.50
QA00098	Earbud with Clip Microphone and PTT, Transmit & Receive (2-wire - not recommended for use with PL codes above 225 Hz - HMN9036)	$40.00
QA00099	Ultra-Light Headset, Behind-the-Head with In-Line PTT and Boom Microphone (RLN5411)	$60.00
QA00194	VHF 146-162 MHz, 3" Stubby Antenna (HAD9742)	$9.75
QA00189	VHF 162-174 MHz, 3" Stubby Antenna (HAD9743)	$9.75
QA00190	UHF 438-470 MHz, 3" Stubby Antenna (NAE6522_R)	$11.25
Q884	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$25.00
H885	Express Service Plus Plan (ESP) 2 Year - Provides for 2 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$48.00

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RADIUS CP200™ PORTABLES

VHF & UHF Models - 12.5/20/25 kHz

All CP200 portable models include:

- **Standard Battery (NiMH, 1400 mAh, 7.5V - NNTN4851)**
- **Standard Charger (90 Minute Rapid Rate - WPLN4138_R)**
- **Standard Antenna (VHF Heliflex NAD6502_R / UHF Whip NAE6483_R)**
- **3" Belt Clip (HLN8255)**
- **Operating Instruction Manual**
- **2 Year Warranty**

CP200 Portable

Features:

- **4 or 16 Channels**
- **12.5/25 kHz Switchable Channel Spacing**
- **2 Programmable Side Buttons**
- **X-Pand™ Technology**
- **Time-Out-Timer**
- **Busy Channel Lockout**
- **Internal VOX**
- **Single Priority Scan**
- **Adjustable Power Levels**
- **MDC1200 PTT ID (Encode)**
- **Quik Call II (Decode)**
- **Quik Call II Call Alert (Decode)**
- **Quik Call II Selective Call (Decode)**

Programmable Button Features:

- **High / Low Power**
- **Channel Scan**
- **Nuisance Channel Delete**
- **Squelch Levels**
- **Repeater / Talkaround**
- **Volume Set**
- **Tight / Normal Squelch**
- **VOX On / Off**
- **LED Battery Indicator**

The following frequencies are not allowed:

151.19375	**168.00625**	**436.800**	**443.950**	**470.400**	**488.35125**
151.200	**403.19375**	**436.80625**	**443.95625**	**470.40625**	**488.3575**
151.20625	**403.200**	**443.93125**	**443.9625**	**488.3325**	
167.99375	**403.20625**	**443.9375**	**443.96875**	**488.33875**	
168.000	**436.79375**	**443.94375**	**470.39375**	**488.345**	

BAND SPLIT	BAND	PWR	CHAN	CATALOG NUMBER	MANUF.SUGG. RETAIL PRICE
136-162 MHz	VHF	1W to 5W (ships 5W)	4	AAH50JDC9AA1_N	$430
			16	AAH50JDC9AA2_N	$465
146-174 MHz	VHF	1W to 5W (ships 5W)	4	AAH50KDC9AA1_N	$430
			16	AAH50KDC9AA2_N	$465
403-440 MHz	UHF	1W to 4W (ships 4W)	4	AAH50QDC9AA1_N	$465
			16	AAH50QDC9AA2_N	$500
438-470 MHz	UHF	1W to 4W (ships 4W)	4	AAH50RDC9AA1_N	$465
			16	AAH50RDC9AA2_N	$500
465-495 MHz	UHF	1W to 4W (ships 4W)	4	AAH50SDC9AA1_N	$465
			16	AAH50SDC9AA2_N	$500

FCC INFORMATION: ABZ99FT3039 (136-162 MHz) / ABZ99FT3045 (146-174 MHz) / ABZ99FT4057 (403-440 MHz) / ABZ99FT4056 (438-470 MHz) / ABZ99FT4058 (465-495 MHz)

CP200™ PORTABLE OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE FOR STEP 1		
	STEP 1:	
Radio Configuration Options		
STDPKG0018	NiMH, 1400 mAh, 7.5V Battery (NNTN4851) and 90 Minute Rapid Rate Charger (WPLN4138_R)	N/C
Q624	NiCd, 1100 mAh, 7.5V Battery (NNTN4496_R) and 90 Minute Rapid Rate Chager (WPLN4138_R)	N/C
Q623	Slim Li-ion, 1600 mAh, 7.5V Battery (NNTN4970) and 90 Minute Rapid Rate Charger (WPLN4138_R)	$14.50
Q651	Li-ion, 2250 mAh, 7.5V Battery (NNTN4497_R) and 90 Minute Rapid Rate Charger (WPLN4138_R)	$21.50
Omit Charger Options:		
Q878	NiMH, 1400 mAh, 7.5V Battery (NNTN4851) and No Charger	-$15.00
Q652	NiCd, 1100 mAh, 7.5V Battery (NNTN4496_R) and No Charger	-$15.00
Q648	Slim Li-ion, 1600 mAh, 7.5V Battery (NNTN4970) and No Charger	-$5.00
Q653	Li-ion, 2250 mAh, 7.5V Battery (NNTN4497_R) and No Charger	N/C

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
General Options:		
QA00097	Remote Speaker Microphone with Coiled Cord and Swivel Clothing Clip (HMN9030)	$73.50
QA00098	Earbud with Clip Microphone and PTT, Transmit & Receive (2-wire - not recommended for use with PL codes above 225 Hz - HMN9036)	$40.00
QA00099	Ultra-Light Headset, Behind-the-Head with In-Line PTT and Boom Microphone (RLN5411)	$60.00
QA00194	VHF 146-162 MHz, 3" Stubby Antenna (HAD9742)	$9.75
QA00189	VHF 162-174 MHz, 3" Stubby Antenna (HAD9743)	$9.75
QA00190	UHF 438-470 MHz, 3" Stubby Antenna (NAE6522_R)	$11.25
Q884	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$25.00
H885	Express Service Plus Plan (ESP) 2 Year - Provides for 2 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$48.00

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RADIUS PORTABLE ACCESSORIES

VL50	CP100	BPR 40	CP125	CP150/CP200	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
INTRINSICALLY SAFE (FM) - Equipment approved by Factory Mutual as Intrinsically Safe is generally accepted by code enforcing authorities for use in hazardous locations. Intrinsically safe equipment is suitable for Division 1 & 2 locations. Hazardous locations are defined in Article 500 for the National Electrical Code (NEC) available from the National Fire Protection Association as NFPA/70.							
					Batteries & Accessories:		
		X			PMNN4071_R	Mag One NiMH, 1200 mAh Battery	$35.00
				X	NNTN4851	NiMH, 1400 mAh, 7.5V Battery (comp. with WPLN4138_R & WPLN4161_R)	$63.00
	X				NNTN4190	NiMH, 1500 mAh, 4.8V Battery	$29.99
			X		PMNN4063_R	NiMH, 1500 mAh, 7.2V Battery	$45.00
				X	NNTN4496_R	NiCd, 1100 mAh, 7.2V Battery	$60.00
X					56557	Li-ion, 1100 mAh, 3.6V Battery	$34.95
				X	NNTN4970	Slim Li-ion, 1600 mAh, 7.2V Battery (comp. with WPLN4138_R & WPLN4161_R)	$105.00
				X	NNTN4497_R	Li-ion, 2250 mAh, 7.5V Battery (only comp. with WPLN4138_R & WPLN4161_R)	$85.00
X					1564200W18	AAA Battery Tray Kit	$7.95
					Carry Cases and Accessories:		
				X	HLN9701	Nylon Case with Belt Loop (Resale Packaging available through RPSD)	$24.00
				X	RLN5383	Leather Case with Belt Loop (for use with Non-Display models)	$39.00
				X	RLN5384	Leather Case with 2.5" Swivel (for use with Non-Display models)	$45.00
				X	RLN5385	Leather Case with 3" Swivel (for use with Non-Display models)	$45.00
	X				NNTN4020	Leather Case	$30.95
		X			PMLN4742	Mag One Hard Leather Carry Case	$25.00
X					56519	Carry Case with Adjustable Strap	$27.50
X					HCLN4013	Replacement Swivel Belt Holster	$7.95
	X				NNTN4106	Swivel Belt Holster	$14.99
		X			PMLN4691_R	Mag One 2" Belt Clip	$4.25
		X			PMLN4743	Mag One 2" Spring Belt Clip	$5.00
				X	RLN5644	2" Spring Action Belt Clip	$6.00
			X		HLN9844	2" Spring Belt Clip	$11.50
				X	HLN8255	3" Spring Action Belt Clip	$6.00
			X		4285820Z01	Shoulder Strap	$4.10
			X	X	RLN4815	Universal RadioPAK™ & Utility Case	$45.00
			X	X	4280384F89	Universal RadioPAK™ Belt Lengthener, waist larger 40"	$5.00
			X	X	HLN9985	Waterproof Bag, includes large carrying strap	$36.00
				X	TDN9327	Portable Radio Hanger - for door panels up to 2.75" (slides over and hangs from the door panel in vehicle). Radio Belt Clip is required for use.	$18.00
				X	TDN9373	Portable Radio Hanger - for door panels from 2.75" to 3.25" (slides over and hangs from the door panel in vehicle). Radio Belt Clip is required for use.	$18.00
				X	HLN6602	Universal Chest Pack with Radio Holder, Pen Holder & Velcro Secured Pocket	$38.00
					Microphones: Use of external microphones can reduce talk-out range.		
X	X				HMN9051	Remote Speaker Microphone with Coiled Cord and Swivel Clothing Clip	$57.75
			X	X	HMN9030	Remote Speaker Microphone with Coiled Cord and Swivel Clothing Clip - (Resale Packaging available through RPSD)	$73.50

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RADIUS PORTABLE ACCESSORIES

VL50	CP100	BPR 40	CP125	CP150/CP200	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
					Headsets and Accessories:		
				X	RLN5238	NFL Style Lightweight Single Muff Headset with In-Line PTT	$125.00
				X	RMN4016	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM)	$105.00
			X	X	HMN9013	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone (Resale Packaging available through RPSD)	$57.00
X	X				BDN6773	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone	$53.00
				X	RLN5411	Ultra-Light Headset, behind-the-head with In-Line PTT and Boom Microphone	$60.00
	X				RLN5580	Ultra-Light Headset, behind-the-head with In-Line PTT and Boom Microphone	$55.00
X					53815	Ultra-Light Headset	$34.95
				X	HMN9021	Medium Weight Dual Muff Headset, over-the-head, Noise Reduction Rating = 24dB	$230.00
				X	HMN9022	Medium Weight Dual Muff Headset, behind-the-head (can be worn with hardhat), Noise Reduction Rating = 24dB	$300.00
				X	BDN6647	Medium Weight Single Muff Headset with Boom Microphone	$151.00
				X	RMN5015	Racing Headset - Same headset worn by pit crews on the CART racing circuit. Heavy Duty, behind-the-head (can be worn with hardhat) Headset with Noise Cancelling Swivel Boom Microphone. Noise Reduction Rating = 24dB (adapter cable required and sold separately)	$500.00
				X	RKN4090	Adapter Cable for Racing Headset (for use with RMN5015)	$100.00
				X	BDN6648	Heavy Duty Headset with Noise Cancelling Boom Microphone, behind-the-head (can be worn with hardhat) - Noise Reduction Rating = 24dB	$525.00
				X	RMN5047	NFL Style Heavy Duty Headset	$225.00
				X	REX4648	Replacement Windscreen (for use with Boom Microphone) and Foam Ear Pad	$7.20
				X	3580371E59	Replacement Windscreen (for use with Boom Microphone) for use with BDN6647	$4.05
				X	5080371E66	Replacement Ear Pads for use with BDN6647	$6.85
				X	RMN4051	2-Way Hard-Hat Mount Headset, Black - Noise Reduction Rating = 22dB (requires adapter cable RKN4094)	$225.00
				X	RMN4052	Tactical Headband-Style Headset, Gray - Noise Reduction Rating = 24dB (requires RKN4097 or RKN4094)	$330.00
				X	RMN4053	Tactical Hard-Hat Mount Headset, Gray - Noise Reduction Rating = 22dB (requires RKN4097 or RKN4094)	$330.00
				X	RKN4094	Adapter Cable with In-Line PTT (for use with RMN4051, RMN4052 & RMN4053 Headsets)	$184.00
					General Audio Accessories:		
				X	RLN5500	Accessory Retainer Clip	$10.75

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RADIUS PORTABLE ACCESSORIES

VL50	CP100	BPR 40	CP125	CP150/CP200	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
					Ear Piece Accessories:		
				X	HMN9727	Earpiece without Volume Control, Beige (single wire - Resale Packaging available through RPSD)	$36.00
				X	RLN4894	Earpiece without Volume Control, Black (single wire)	$35.00
X	X				BDN6774	Earpiece with Microphone (worn over ear with streamlined boom microphone)	$51.00
X					56517	Earpiece with In-Line PTT & Microphone	$25.00
X					56518	Earpiece with Boom Microphone	$25.00
				X	PMMN4001	Ultra-Light Earpiece with Boom Microphone and In-Line PTT	$54.00
				X	BDN6706	Ear Microphone with PTT & VOX Interface Module (External VOX included-selectable switch for PTT or VOX)	$524.00
				X	BDN6646	Ear Microphone with PTT Interface Module	$461.00
				X	RLN5198AP	2-Wire Surveillance Kit with Clear Comfortable Acoustic Tube, Beige (Resale Packaged)	$125.00
		X			PMLN4606	2-Wire Surveillance Kit with Clear Acoustic Tube	$43.00
				X	BDN6720	Flexible Ear Receiver, Black - Earpiece without Volume Control (flexible earloop & speaker that rests external to ear - Resale Packaging through RPSD)	$35.00
				X	NTN8370	Extreme Noise Earpiece Adapter Kit, Noise Reduction Rating = 24dB - (for use with surveillance accessories)	$32.00
				X	NTN8371	Low Noise Earpiece Adapter Kit - (for use with surveillance accessories - clear comfortable earpieces can be added for extra comfort - must be ordered separately through RPSD)	$20.00
	X				HMN9004	Earbud (single wire - Receive only)	$18.00
X	X				HMN8435	Earbud with Clip Microphone and PTT (2-wire - transmit & receive)	$40.00
				X	HMN9036	Earbud with Clip Microphone and PTT, Transmit & Receive (2-wire - not recommended for use with PL codes above 225 Hz - Resale Packaging is also available through RPSD)	$40.00
				X	HLN9132	Earbud (single wire - Receive only - not recommended for use with PL codes above 225 Hz)	$21.00
		X			PMLN4294	Earbud with Microphone & PTT Combined	$27.00
		X			PMLN4658	D-Shell Earset with Boom Microphone with PTT/VOX Switch	$28.50
			X		PMLN4425	Earset Boom Microphone with Remote Ring PTT	$35.00
				X	0180358B38	Finger Push to Talk Switch for Ear Microphone System - Intrinsically Safe (FM)	$52.50
				X	0180300E83	Body Switch Push to Talk for Ear Microphone System	$159.00
				X	0180358B33	Medium Earholder for Ear Microphone System, Black (For securing ear microphone in ear) - Additional sizes & colors available.	$19.00
		X			PMLN4605	Clear Acoustic Tube	$14.50
				X	5080384F72	Replacement Foam Plugs-Pack of 50 (for use with NTN8370), Noise Reduction Rating = 24dB	$47.25
				X	5080370E97	Replacement Rubber Eartips, Clear - Pack of 25 (for use with NTN8371)	$29.25
					Mag One Audio Accessories:		
		X	X	X	PMLN4442	Mag One Earbud with MIC/PTT/VOX Switch	$18.00
		X	X	X	PMLN4443_B	Mag One Ear Receiver with MIC/PTT/VOX Switch	$20.00
			X	X	PMLN4444	Mag One Earset Boom Microphone with PTT/VOX	$26.00
		X	X	X	PMLN4445	Mag One Headset with PTT/VOX Switch	$30.00
		X	X	X	PMMN4008	Mag One Remote Speaker Microphone	$31.00

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RADIUS PORTABLE ACCESSORIES

VL50	CP100	BPR 40	CP125	CP150/CP200	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
					Chargers & Accessories:		
		X			PMLN4683_R	Mag One Slow Charger Kit (includes Base and Transformer)	$18.00
		X			PMLN4738_R	Mag One Mid-Rate Charger Kit - Single Chemistry (includes Base & Transformer)	$30.50
				X	WPLN4138_R	120 Volt - 90 Minute Rapid Rate Charger	$57.75
	X				NNTN4075_R	120 Volt - 2 Hour Drop In Charger	$69.95
				X	WPLN4155_R	120 Volt - 10 Hour Desktop Charger (for use with NNTN4496_R NiCd battery only)	$27.00
	X				NNTN4077	120 Volt - 10 Hour Plug In Charger (plugs into radio side connector jack or into drop in charging tray)	$12.95
			X	X	EPNN7997	10 Hour Plug In Charger (plugs into radio accessory connector - for use with NNTN4496_R NiCd battery only)	$6.30
			X		PMTN4073	120V - 13 Hour Wall Charger	$6.30
			X		PMTN4087	120V Rapid Charger Kit (includes EPNN7994 & PMTN4086)	$34.75
			X		EPNN7994	120V Rapid Charger Transformer	$15.00
			X		RLN4940	120V Slow Desktop Charger Kit (includes EPNN7997 & WPLN4203)	$27.00
			X		WPLN4203	Slow Desktop Charger Base	$24.00
			X		PMTN4086	Rapid Charger Base	$30.75
				X	WPLN4161_R	120 Volt - 6 Unit Rapid Rate Charger	$450.00
	X				NNTN4028_R	120 Volt - 6 Unit - 7 Hour Charger (provides radio cloning capability)	$273.95
	X				NNTN4019_R	Drop In Charging Tray (requires NNTN4077 plug in charger)	$27.95
X					56553	Double Unit Charger	$65.00
X					56531	Multi-Unit Charger	$199.95
					Call Boxes:	**Allows for integration into most existing radio systems and provides direct access to personnel connected to the system. Allows for expansion of security coverage and can help improve response time without the need for additional personnel. Includes a voice instruction message for the user, automatic call box ID and user location identifiers, a courtesy light, easy push-to-talk operation, a silent tamper alert broadcast to security, low battery alert, 40-day standby battery capacity, one 12-volt, 12 amp/hour rechargeable battery, call box keys and tamper resistant screw bits. Pricing does not include radio or installation.**	
					A106.5 Call Boxes - Freestanding. Solar or AC/DC power. The .090 thick, white powder-coated aluminum box measures 6.5' H x 10" W x 5" D. Includes antenna and choice of reflective vinyl message decal.		
	X			X	RRDN4588	Solar Powered	$1,999.00
	X			X	RRDN4589	AC/DC Powered	$1,969.00
					A144 Call Boxes - Flexibility. Can be wall or pole mounted for convenient accessibility. The .090 thick, white, powder-coated aluminum enclosure measures 4' H x 14" W x 7.5" D. Includes a 6-watt locator LED that converts to a strobe light when callbox is activated. Comes standard with a 10-watt solar panel and choice of large reflective vinyl message decal.		
	X			X	RRDN4590	Solar Powered	$2,995.00
	X			X	RRDN4591	AC/DC Powered	$2,895.00

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RADIUS PORTABLE ACCESSORIES

VL50	CP100	BPR 40	CP125	CP150/CP200	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
					Call Boxes continued:		
					A1 Call Boxes - Field programmable. Mounts on a wall, or on a PVC or aluminum stanchion. Solar or AC/DC power. The .090 thick aluminum enclosure with white powder coat measures 13"H x 9.5"W x 6.5"D. Provides protection against dust and falling rain. For indoor and outdoor use. Includes antenna and set of small reflective decals.		
	X			X	RRDN4362	Solar Powered	$2,585.00
	X			X	RRDN4363	AC/DC Powered	$2,350.00
	X			X	RRDN4364	Solar Powered with PVC Stanchion	$2,850.00
	X			X	RRDN4365	Solar Powered with Aluminum Stanchion	$3,175.00
	X			X	RRDN4366	AC/DC Powered with Aluminum Stanchion	$2,975.00
					ACB Call Boxes - Push-to-talk communication. No door to open. The indoor/outdoor wall mount aluminum enclosure is .090 thick with white powder coat. It measures 20"H x 14"W x 7.5"D with a thick, clear Lexan face-plate cover. Includes activation ringer, antenna and set of small reflective decals.		
	X			X	RRDN4367	Solar Powered	$2,695.00
	X			X	RRDN4368	AC/DC Powered	$2,550.00
					A1410 Call Boxes - Self-standing. The .090 thick aluminum stanchion with white powder coat measures 10'H x 14"W x 7.5"D. Thick, clear Lexan faceplate cover and includes an activation ringer, antenna and set of large reflective decals. 10 watt solar panel provides additional charging power to allow the beacon/locator light to function 24 hours a day.		
	X			X	RRDN4369	Solar Powered	$3,185.00
	X			X	RRDN4370	AC/DC Powered	$2,900.00
					MACPlus Call Boxes - Four-button notification panel. The software-driven system sends automatic audible and digital signals to a dispatch center and is ADA compliant. Alerts the dispatch center every 24 hours with a status report. The powder coated stainless steel enclosure measures 15"H x 11 3/8"W x 7"D and features a self-closing pneumatic/mechanical door with ADA compliant hinges. Includes activation ringer, help-enroute LED light, set of small reflective decals and a 2"D Call Box pole/wall mounting bracket. Requires RRDN4373 Software Package for programming of Call Buttons. Only one software package is required regardless of number of Call Boxes in system.		
	X			X	RRDN4371	Solar Powered	$3,785.00
	X			X	RRDN4372	AC/DC Powered	$3,600.00
	X			X	RRDN4373	MACPlus Computer Aided Maintenance Software Package	$1,450.00
					Antennas: Stubby antennas will reduce range		
		X			PMAD4051_R	Mag One VHF Stubby Antenna, 150-174 MHz	$9.25
			X	X	NAD6502_R	VHF Heliflex Antenna, 150-162 MHz	$11.75
			X		PMAD4027	VHF Helical Antenna, 136-155 MHz (15cm)	$8.00
			X		8504762J02	VHF Helical Antenna, 155-174 MHz (14cm)	$13.50
			X		PMAD4012	VHF Stubby Antenna, 136-155 MHz (Red Color Code)	$13.25
				X	HAD9742	VHF Stubby Antenna, 146-162 MHz	$10.75
			X		PMAD4013	VHF Stubby Antenna, 155-174 MHz (Black Color Code)	$13.25
				X	HAD9743	VHF Stubby Antenna, 162-174 MHz	$10.75
		X			PMAE4020_R	Mag One UHF Stubby Antenna, 450-470 MHz	$9.25
			X	X	NAE6483_R	UHF Whip Antenna, 403-520 MHz	$11.75
				X	NAE6522_R	UHF Heliflex Stubby Antenna, 438-470 MHz	$12.25
			X		PMAE4003	UHF Stubby Antenna, 430-470 MHz (9cm)	$11.25
			X		PMAE4011	UHF Stubby Antenna, 435-480 MHz (10cm)	$8.00

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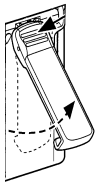
RADIUS PORTABLE ACCESSORIES

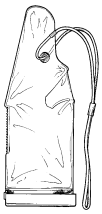
VL50	CP100	BPR 40	CP125	CP150/CP200	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
					Service Accessories:		
			X		RVN4196	Programming and Tuning Software (CPS) - 3 Year Subscription	$299.00
				X	RVN4191	Portable & Mobile Programming Software (CPS) - 3 Year Subscription Package - Portables require AAPMKN4004 Programming/Test Cable. Mobiles require one of the following Programming Cables & Adapter AARKN4081 Programming Cable with FKN8096 Program Adapter, 3080070N01 Programming Cable with FKN8096 Program Adapter or AARKN4083 Programming Cable with FKN8113 Program Adapter **Note: Software requires a license agreement and is not intended for resale.**	$199.00
	X				H5154	Radio Service Software Package 3.5" Disk Only - 3 Year Subscription Package Used with IBM 100% Compatible, XT, AT or PS/2 Model 30/50 Computer. P1225/P1225•LS/M1225/M1225•LS/GR1225 compatible with Windows 3.1/ Windows 95 & 98. i750/i20R/SP50/GM300 compatible with DOS 5.0 or Hi 1.44 MB 3.5 inch Floppy Disk Drive (FDD). Minimum operation requirements: 80386 or 80486 Microprocessor Computer, IBM or 100% Compatible, 4 MB RAM, HDD (Hard Disk Drive) 80 MB or Higher, Two (2) Serial Ports & One (1) Parallel (printer) Port **Note: Software requires a license agreement and is not intended for resale.**	$418.00
		X			RVN5081	BPR 40 CPS Software (CD) - 3 Year Subscription	$299.00
			X		AAPMKN4004	Programming & Test Cable - Programming cables require a Radio Interface Box (RIB), also compatible with RLN4460 used for radio testing.	$50.00
		X			PMDN4043_R	Programming/Test Cable	$25.00
			X		DSK001C706	Ribless Programming Cable - provides interface between computer and radio	$67.00
	X		X	X	RLN4008	Radio Interface Box (RIB) Voltage Level Shifter to enable communications between radio and the computer's RS232 communications adapter. Requires the wall mount power serial supply or 10-18 VDC power sources.	$200.00
	X		X	X	0180357A57	120 Volt - Wall Mount Power Supply Supplies power to the RIB. Order power supply for radio separately.	$24.25
	X		X	X	3080369B72	9 Pin PC to Radio Interface Box Cable (IBM AT or compatible)	$52.00
	X			X	RLN4460	Test Box for Portables and Mobiles	$395.00
		X			PMDN4042_R	Battery Eliminator	$95.00
		X			PMDN4054_R	Grounding Plate	$26.25
		X			PMDN4040_R	Test Box	$115.00
		X			PMDN4041_R	RF Adapter	$21.25
				X	RLN5583	Flash Upgrade Adapter	$99.75
					Manuals:		
	X				6804112J99	CP100 User's Manual	$7.00
		X			6881098C61	Mag One User Guide, English	$15.00
			X		6881096C38	CP125 Service Manual	$20.00
				X	6880309N60	CP150/CP200 User's Manual	$10.00
				X	6880309N61	CP150/CP200 Basic Service Manual	$12.00

RADIUS PORTABLE ACCESSORIES

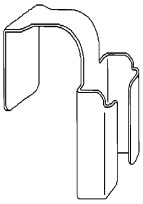
Page 9



HLN8255
3" Spring Action
Belt Clip



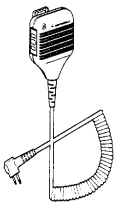
HLN9985
Waterproof Bag



TDN9327/TDN9373
Portable Radio Hanger

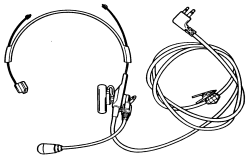
HLN6602
Universal Chestpack

Page 9

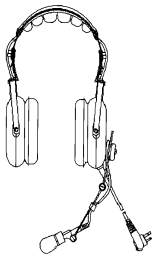


HMN9030
Remote Speaker
Microphone

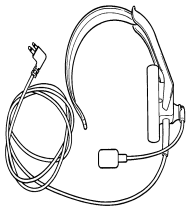
Page 10



HMN9013
Lightweight Single Muff
Adjustable Headset with Swivel
Boom Microphone



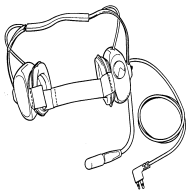
HMN9021
Medium Weight Dual Muff
Headset, over-the-head



BDN6647
Medium Weight Single Muff
Headset with Boom Microphone

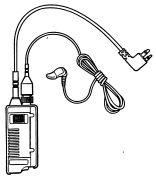
Page 10

HMN9022
Medium Weight Dual Muff
Headset, behind-the-head



BDN6648
Heavy Duty Headset with Noise
Cancelling Boom Microphone

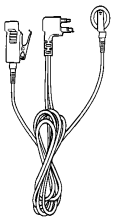
Page 11



BDN6646
Ear Microphone
with PTT Interface

BDN6720
Flexible Ear Receiver-Earpiece
without Volume Control

Page 11



HMN9036
Earbud with Clip
Microphone & PTT

HLN9132
Earbud

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RADIUS CM200™/CM300™ MOBILE

VHF & UHF Models, Switchable 12.5/20/25 kHz

All CM200/CM300 Models Include:

- **Standard Microphone (Compact Microphone with Transmit LED, Hang-Up Clip & 7 Ft. Coil Cord - HMN3413)**
- **Standard Inst Bracket (Low Profile Mounting Bracket - GLN7324)**
- **Standard Power Cable (HKN4137_R)**
- **User Guide / Safety Manual**
- **Two Year Warranty**

CM200

CM300

CM200/CM300 Programmable Features:

- **12.5/20/25 kHz Switchable**
- **Busy Channel Lockout**
- **High/Low Power Settings**
- **Local/Distance Mode**

CM200 - 4 Channel Models:

- **2 Programmable Buttons**
- **Single Priority Scan**
- **Quik Call II™ Call Alert/Selective Call (Decode)**
- **MDC1200 PTT ID (Numeric ID - Encode)**

CM300 - 32 Channel Models:

- **4 Programmable Buttons**
- **8 Character Alphanumeric Display**
- **Dual Priority Scan**
- **Option Board Expandability**
- **Two Memory Channels**
- **Quik Call II™ Call Alert/Selective Call (Encode/Decode)**
- **MDC1200 Call Alert (Decode)**
- **MDC1200 PTT ID (Numeric ID - Encode/Decode)**

NOTES:

- **CM200/CM300 Mobiles are not compatible components with the GR Series Repeaters.**

The following frequency is not allowed:
444.860

CM200 Models

BAND SPLIT	BAND	CHANNEL SPACING	CHAN	PWR	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
146-174 MHz	VHF	Switchable 12.5/20/25 kHz	4	1-25W	AAM50KNC9AA1_N	$474
				25-45W	AAM50KQC9AA1_N	$535
438-470 MHz	UHF	Switchable 12.5/20/25 kHz	4	1-25W	AAM50RNC9AA1_N	$526
				25-40W	AAM50RPC9AA1_N	$586

CM300 Models

136-162 MHz	VHF	Switchable 12.5/20/25 KHz	32	25-45W	AAM50JQF9AA1_N	$595
146-174 MHz	VHF	Switchable 12.5/20/25 KHz	32	1-25W	AAM50KNF9AA1_N	$535
				25-45W	AAM50KQF9AA1_N	$595
438-470 MHz	UHF	Switchable 12.5/20/25 KHz	32	1-25W	AAM50RNF9AA1_N	$586
				25-40W	AAM50RPF9AA1_N	$647

FCC INFORMATION: AZ492FT3805 (146-174 MHz 1-25W), ABZ99FT3049 (136-162 MHz 25-45W), AZ492FT4856 (438-470 MHz 1-25W), ABZ99FT3046 (146-174 MHz 25-45W), ABZ99FT4048 (438-470 MHz 25-40W)

RADIUS CM200™/CM300™ OPTIONS

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE FOR STEP 1

STEP 1:

Microphone Choices:

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
STDPKG0019	Standard Microphone (Compact Microphone with Transmit LED, Hang-Up Clip & 7 Ft. Coil Cord - HMN3413)	N/C
G171	Heavy Duty Microphone & Hang-Up Clip (HMN1035 & HLN9073)	$31.00
G172	Enhanced Keypad Microphone & Hang-Up Clip (RMN5029)	$51.00
G311	Omit Microphone	-$15.00

General Options:

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
G400	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$23.00
G24	Express Service Plus Plan (ESP) 2 Year - Provides for 2 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$39.00

Section 3, Page 3

Date 1/9/06

RADIUS MOBILE ACCESSORIES

CM200/ CM300	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
	Microphones & Accessories:		
X	HMN3413	Compact Microphone with 7 Ft. Coil Cord & Hang-Up Clip	$39.50
X	HMN3596	Compact Microphone with 7 Ft. Coil Cord	$38.50
X	HMN1035	Heavy Duty Palm Microphone with 10.5 Ft. Coil Cord	$81.50
X	AAREX4617	Telephone Style Handset with Hang-Up Cup	$132.00
X	HLN9073	Microphone Hang-Up Clip (all microphones)	$1.10
X	HLN9414	Universal Hang-Up Clip (all microphones)	$7.70
X	RMN5029	Enhanced Keypad Microphone & Hang-Up Clip	$88.50
	Handsfree Accessories:		
X	AARMN4027	Visor Mounted Microphone	$21.50
X	RLN4856	Footswitch PTT	$61.75
X	RLN4857	Pushbutton PTT	$38.50
X	RLN4858	Gooseneck PTT	$76.00
X	RLN4836_R	Emergency Footswitch	$61.75
	General Accessories:		
X	HSN8145	7.5 Watt External Speaker - for Receiver Audio	$47.50
X	RSN4001	13 Watt External Loudspeaker	$66.00
	Mounting Accessories:		
X	GLN7324	Low Profile Mounting Bracket (VHF, UHF, 200 MHz & 700 MHz)	$13.25
X	GLN7317	High Profile Mounting Bracket (VHF, UHF, 200 MHz & 700 MHz)	$21.00
X	RLN4779	Key Lock Mounting Bracket (VHF, UHF, 200 MHz & 700 MHz)	$33.00
X	HLN9227	8" Goose Neck Mounting Bracket	$28.75
	Installation Accessories:		
X	HKN4137_R	15 Amp Low Power Cable to Battery (VHF, UHF, 200 MHz & 700 MHz)	$18.00
X	HKN4191	20 Amp High Power Cable to Battery	$18.00
X	HKN9327_R	Ignition Switch Cable (CM200 & CM300 requires HLN9242)	$9.90
X	HLN9242	16-Pin Accessory Kit with Expanded Connector (kit allows existing 16 pin connector accessories to be modified for enhanced connector reliability) when used with CM & SM Series or M1225 mobiles. Includes 9 wires with lugs, 1 connector housing, 16 crimping terminals, 2 tie straps and 1 extraction tool)	$5.65

Section 3, Page 4

Date 1/9/06

RADIUS MOBILE ACCESSORIES

CM200/ CM300	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
	Public Address and Accessories:		
X	RLN5288	Public Address Kit - includes interface cable (requires HSN1000 speaker)	$419.00
X	HKN9324_R	15 Ft. Public Address & Speaker Cable (one cable per speaker)	$44.00
X	HSN1000	6 Watt Amplified External Speaker	$109.00
	Alarm Accessories:		
X	HLN9328	External Alarm Relay Cable - horn & lights	$55.00
X	GLN7282	Alarm Buzzer	$46.25
	Antennas:		
X	RAD4000	Antenna Only (less cable & install hardware) - Standard Duty, 136-174 MHz	$43.50
X	HAD4006	VHF 1/4 Wave Roof Mount Antenna, 136-144 MHz	$19.50
X	HAD4007	VHF 1/4 Wave Roof Mount Antenna, 144-152 MHz	$19.50
X	HAD4008	VHF 1/4 Wave Roof Mount Antenna, 150.8-162 MHz	$19.50
X	HAD4009	VHF 1/4 Wave Roof Mount Antenna, 162-174 MHz	$19.50
X	RAD4000AMB	VHF 3dB Gain Magnetic Mount Antenna, 140-174 MHz	$58.50
X	HAE4003	UHF 1/4 Wave Roof Mount Antenna, 450-470 MHz	$20.00
X	TAE6053	UHF 1/4 Wave Roof Mount Antenna, 430-450 MHz	$20.00
X	RAE4004ARB	UHF 5dB Gain Roof Mount Antenna, 450-470 MHz	$57.00
X	RAE4004AMB	UHF 5dB Gain Magnetic Mount Antenna, 440-470 MHz	$57.00
	Control Station Accessories: **For a properly equipped control station, you should order one each of the following items as required for each dispatch location: mobile holder, power supply, desk microphone, mobile radio, control station cable and mini-U antenna adapter.**		
X	HPN4008	Power Supply and Cable (1-25 Watt Models)	$264.00
X	HPN4007	Power Supply and Cable (25-60 Watt Models)	$296.00
X	HKN9455	12V Power Cable for High Power Control Station 25-60W	$22.00
X	HKN4139	12V Power Cable for Low Power Control Station 1-25W	$21.00
X	HMN3000	Desk Microphone, Black	$120.00
X	RLN5390	Desktop Tray with Speaker	$81.00
X	RLN5391	Desktop Tray without Speaker	$51.50
	Mobile Data Units Section:		
	Terminals:		
X	RDN7368	Mobile Display Terminal - Mobile messaging device equipped with a data modem. This unit features a 4x40 backlit LCD display and the keypad allows users to send information to the dispatcher in response to base instructions.	$699.00
X	RDN7738	Serial Breakout Unit (used in multiple applications that will allow up to 8 base modems to be connected)	$1,200.00
X	RDN7367	Mobile Display Terminal with GPS - Mobile display terminal equipped with an Automatic Vehicle Location (AVL) device compatible with Global Positioning system (GPS).	$1,049.00
X	RDN7369	Standalone Modem & GPS - Cost efficient Automatic Vehicle Location (AVL) device compatible with Global Positioning System (GPS).	$599.00

Section 3, Page 5

Date 1/9/06

RADIUS MOBILE ACCESSORIES

CM200/ CM300	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
	Mobile Data Units Section continued:		
	Radio Interface Cables: One radio interface cable is required with purchase of each hardware device.		
X	RDN7739	3 Ft. Flying Cable (same as regular interface cable but omits connectors)	$35.00
X	RDN7740	15 Ft. Flying Cable (same as regular interface cable but omits connectors)	$45.00
	Global Positioning System (GPS) Antennas: Antenna is required with purchase of any GPS unit.		
X	RDN7372	Fixed Mount GPS Active Antenna	$95.00
X	RDN7375	Magnetic Mount GPS Active Antenna	$90.00
	Software:		
X	RDN7378	AVL Messaging Status Software - Mapping software that provides the user with Automatic Vehicle Location to track vehicles along with message dispatch and status tracking capability.	$2,200.00
X	RDN7374	Programming Software - Used for mobile data units.	$125.00
X	RDN7377	Regional Map Software - Will allow up to 10 selected US counties.	$599.00
	Miscellaneous:		
X	RDN7364	Radio Channel Card - A radio channel controller and modem that interface with the base radio. Required with every radio channel or wireless circuit used within the system.	$999.00
X	RDN7380	Mobile Programming Hardware	$200.00
	Service Accessories:		
X	RVN4191	Portable & Mobile Programming Software (CPS) - 3 Year Subscription Package - Portables require AAPMKN4004 Programming/Test Cable. Mobiles require one of the following Programming Cables & Adapter: AARKN4081 Programming Cable with FKN8096 Program Adapter, 3080070N01 Programming Cable with FKN8096 Program Adapter or AARKN4083 Programming Cable with FKN8113 Program Adapter **Note: Software requires a license agreement and is not intended for resale.**	$199.00
X	RLN4008	Radio Interface Box (RIB) Voltage Level Shifter to enable communications between radio and the computer's RS232 communications adapter. Requires the wall mount power serial supply or 10-18 VDC power sources.	$200.00
X	0180357A57	120 Volt - Wall Mount Power Supply Supplies power to the RIB. Order power supply for radio separately.	$24.25
X	FKN8096	Flash/Data Adapter (for use with AARKN4081 or 3080070N01)	$54.00
X	FKN8113	Adapter Cable (for use with AARKN4083)	$43.00
X	AARKN4081	Programming Cable with Internal RIB (direct connection from computer to radio microphone connector)	$150.00
X	AARKN4083	Programming Cable (allows radio programming via rear accessory connector)	$74.00
X	3080070N01	Programming Cable (connection from RIB to radio)	$65.25

Section 3, Page 6

Date 1/9/06

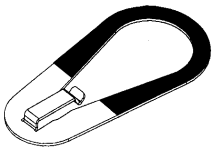
RADIUS MOBILE ACCESSORIES

CM200/ CM300	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
	Service Accessories continued:		
X	RLN4460	Test Box for Portables and Mobiles Enables connection to the universal connector. Allows switching for radio testing.	$395.00
X	6680334F39	Allen Wrench for Antenna Connector Set Screw	$5.00
X	3080369B72	9 Pin PC to Radio Interface Box Cable (IBM AT or compatible)	$52.00
X	3080369B71	25 Pin PC to Radio Interface Box Cable (IBM XT or compatible)	$62.00
X	6680388A26	Mobile Crimping Tool	$45.00
	Manuals:		
X	6802966C15	CM200/CM300/PM400 Basic Service Manual	$18.00
X	6802966C20	CM200/CM300/PM400 VHF Detailed Service Manual	$25.00
X	6881098C00	CM200/CM300/PM400 UHF Detailed Service Manual	$25.00
	Fixed Accessories:		
	See Section 4 for Additional Accessories.		

RADIUS MOBILES ACCESSORIES

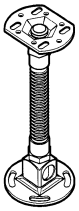
Page 3

HMN1035
Heavy Duty Palm Mic.
with 10.5 Ft. Coil Cord



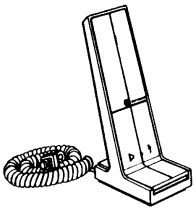
HLN9414
Universal Hang-Up Clip

Page 3



HLN9227
8" Goose Neck Mounting
Bracket

Page 4



HMN3000
Desk Microphone

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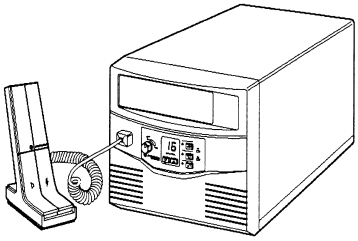
RADIUS GR1225™ REPEATER VHF & UHF

GR1225 Desktop Repeater Features:

- **12.5/25 kHz Switchable Channel Spacing**
- **X-Pand Technology**
- **Built-in Basic Repeater Capabilities**
- **16 Channels**
- **Output Power 1/10W or 25/50W VHF, 1/10W or 25/45W UHF**
- **Courtesy "Over" Beep**
- **Programmable Relay Delay**
- **Programmable Time-Out-Timer**
- **CWID**
- **PL / DPL / CSQ Codes**
- **Front Panel Repeater Enable/Disable Control**
- **Continuous Duty Cycle at 25 Watts; 50% at 45/50 Watts**



GR1225 Repeater with Optional Desk

The following frequencies are self quieters and cannot be ordered:
151.200, 168.000, 453.600, 455.500, 459.300, 470.40(

The following frequencies are potential self quieters:
160.180,163.380

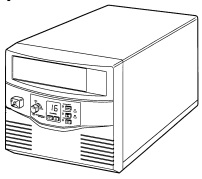
Repeater Package Items

The GR1225 can be ordered fully assembled from the factory or as separate components that require dealer assembly. The factory assembled model contains all the items listed under the GR1225 housing kit and the R1225 transceiver model. In this model, the repeater transceiver is installed into the repeater housing and the dealer is required to program the unit and to install an optional duplexer if required. Factory assembled models are UL/ULC listed and meet all the requirements of UL813. Components purchased separately do not meet requirements of UL813. If your application requires your equipment to be UL listed, then you must order the factory assembled model.

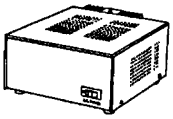
Separate components consist of the repeater housing, repeater transceiver, antenna and optional duplexer. When ordered separately, the dealer must assemble and program the repeater.

The following items are required for Basic Repeater Operation for both factory assembled or dealer assembled models:

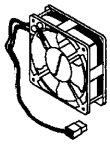
These items are part of the GR1225 Housing Kit:



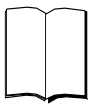
GR1225 Repeater



Power Supply

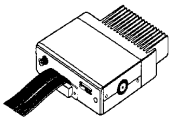


Fan



(2) Service Manuals

The following items are part of the R1225 Transceiver Models:

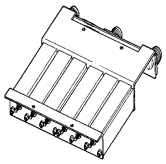


R1225 Repeater

Operating Manual

The following items are optional:

Internal or External Duplexer/Antenna Cable



Duplexer

Antenna

RADIUS GR1225™ REPEATER COMPATIBILITY CHART

Type	GR1225 Desktop/Portable	GR300 Desktop/Portable	GR400 Rack Mount	RKR1225 Rack Mount	GR500 Wall Mount	GR500 X-Pand Wall Mount
Housing	Standard	Standard	Standard	Standard	Standard	Standard
Pow er Supply	Standard	Standard	Standard	Order Separately	Standard	Standard
Fan	Standard	Standard	Standard	Standard	Standard	Standard
Cables	Standard	Standard	Standard*	Order Separately	Standard	Order Separately
Shorting Plugs	Not Required	Standard	Standard	Not Required	Standard	Not Required
Battery Revert	Order Separately	Order Separately	Order Separately	Order Separately	Standard	Standard
Duty Cycle at 25W	Continuous	Continuous	Continuous	Continuous	Continuous	Continuous
Duty Cycle at 40/45W	-	20%	20%	-	50%	-
Duty Cycle at 45/50W	50%	-	-	50%	-	50%
Service Manual	Standard**	Standard***	Standard†	Standard††	Standard***	Standard††
Programming Guide	In RSS help screens	Standard	Order Separately	In RSS help screens	Standard	In RSS help screens

* Cables are included in the HLN9612 mounting bracket kit w hich must be purchased separately for use w ith all controllers except the "Enhanced" SmarTrunk II™ Repeater Controller (HLN3104)

** The GR1225 models include the R1225 (6880905Z53) and the GR1225 (6880904Z90) service manuals w hich contain assembly instructions and schematics.

*** The GR300/GR500 models include the GR300/GR500 Service Manual (6880903Z42) w hich contains assembly instructions and schematics.

† The GR400 comes standard w ith assembly instructions (6880904Z31) only. For pow er supply schematics, please order the GR300/GR500 service manual (6880903Z42) separately.

†† The GR400/GR500 X-Pand (6880905Z54) and R1225 (6880905Z53) service manuals are included in the HLN3100 retrofit kit w hich must be ordered separately and is required for operation w ith the GR400/GR500 X-Pand housings.

RADIUS GR1225™ REPEATER FACTORY ASSEMBLED MODELS

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE

Factory assembled models are UL/ULC listed and meet all the requirements of UL813. Components purchased separately do not meet UL813 requirements. If your application requires your equipment to be UL listed, then you must order the factory assembled models.

Step One: (Required)

Select One (1) of the following Factory Assembled Repeater Models

These models include an external duplexer/antenna cable. Required when using separate transmit and receive antennas or duplexers that do not fit into the GR1225 housing.

H5165	VHF 1-10 Watt, GR1225 Repeater 146-174 MHz	$1,473.00
H5158	VHF 25-50 Watt, GR1225 Repeater 146-174 MHz	$1,655.00
H5164	UHF 1-10 Watt, GR1225 Repeater 444-474 MHz	$1,545.00
H5157	UHF 25-45 Watt, GR1225 Repeater 444-474 MHz	$1,727.00

Step Two: (Optional/Required - See Below)

Select cable option: (if required)

G320	Internal Duplexer & Antenna Cable Kit Required when using duplexers.	N/C
STDCBL0780	External Duplexer & Antenna Cable Kit (required when using separate transmit & receive antennas or duplexers that do not fit into the GR1225 housing)	N/C

Step Three: (Optional)
All duplexers have female type "N" connectors.

Select One (1) Tuned Duplexer (5 Days ARO) - Specify frequency for tuning.

HFD8465	VHF Duplexer, 150-160 MHz (requires Internal Duplexer & Antenna Cable Kit - minimum & maximum freq. separation is 4.5 MHz/6 MHz) **Note: To order this Duplexer TUNED, call Dealer Support Services to place your order at 800-927-2744, Prompt 1, 1.**	$393.00
TDE7780	UHF Duplexer, 450-470 MHz (requires Internal Duplexer & Antenna Cable Kit - minimum & maximum frequency separation is 5 MHz)	$385.00

OR

Select One (1) Untuned Duplexer - Requires tuning in the field.

VHF - Duplexers

HFD8188	VHF Duplexer, 144-155 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$433.00
HFD8189	VHF Duplexer, 155-162 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$486.00

UHF - Duplexers

HFE8400	UHF Duplexer, 406-450 MHz (minimum & maximum freq. separation 5 MHz)	$390.00
RFE4000	UHF Duplexer, 450-470 MHz (requires Internal Duplexer & Antenna Cable Kit)	$365.00

Step Four: (Optional & Dealer Installed)

The R1225 repeater transceiver includes Basic Repeater Functionality. If enhanced features such as multiple PL codes, interconnect, signalling and trunking are required, please select the appropriate controller and cables from page 5.

Step Five: (Optional & Dealer Installed)

If the repeater is to be used in a high RF environment, an externally mounted preselector may be desired. See page 5 for preselector kits.

For other optional accessories, see page 5.

RADIUS GR1225™ REPEATER DEALER ASSEMBLED MODELS

(SEPARATE COMPONENTS)

Date 1/9/06

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE

Components purchased separately do not meet UL813 requirements. If your application requires your equipment to be UL listed, then you must order the Factory Assembled models on page 3.

Step One: (Required)

Select One (1) Repeater Transceiver Model

M03GRC90C2_A	VHF 1-10 Watt, R1225 Repeater Transceiver 146-174 MHz	$836.00
M43GRC90C2_A	VHF 25-50 Watt, R1225 Repeater Transceiver 146-174 MHz	$1,018.00
M04GRC90C2_A	UHF 1-10 Watt, R1225 Repeater Transceiver 444-474 MHz	$909.00
M44GRC90C2_A	UHF 25-45 Watt, R1225 Repeater Transceiver 444-474 MHz	$1,091.00

Step Two: (Required)

Select One (1) Repeater Housing.

HLN3037	GR1225 Repeater Housing (includes GR1225 & R1225 Service Manuals)	$613.00

Step Three: (Optional)
All duplexers have female type "N" connectors.

Select One (1) Tuned Duplexer (5 Days ARO) - Specify frequency for tuning.

HFD8465	VHF Duplexer, 150-160 MHz (requires Internal Duplexer & Antenna Cable Kit - minimum & maximum freq. separation is 4.5 MHz/6 MHz) **Note: To order this Duplexer TUNED, call Dealer Support Services to place your order at 800-927-2744, Prompt 1, 1.**	$393.00
TDE7780	UHF Duplexer, 450-470 MHz (requires Internal Duplexer & Antenna Cable Kit - minimum & maximum frequency separation is 5 MHz)	$385.00

OR

Select One (1) Untuned Duplexer - Requires tuning in the field.

VHF - Duplexers

HFD8188	VHF Duplexer, 144-155 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$433.00
HFD8189	VHF Duplexer, 155-162 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$486.00

UHF - Duplexers

HFE8400	UHF Duplexer, 406-450 MHz (minimum & maximum freq. separation 5 MHz)	$390.00
RFE4000	UHF Duplexer, 450-470 MHz (requires Internal Duplexer & Antenna Cable Kit)	$365.00

Step Four: (Required - please choose 1)

Select One (1) Duplexer / Antenna Cable Kit

HKN9026	GR1225 External Duplexer & Antenna Cable - Required when using separate transmit and receive antennas or duplexers that do not fit into GR1225 housings.	$81.75
HKN9235	GR1225 Internal Duplexer & Antenna Cable Kit (required when using an internal duplexer)	$42.00

Step Five: (Optional)

Select an Antenna - See Page 5 or RPSD for additional antennas.

Step Six: (Optional)

The R1225 Repeater Transceiver includes Basic Repeater functionality. If enhanced features such as multiple PL codes, interconnect, signalling and trunking are required, please select the appropriate controller and cable from page 5

Step Seven: (Optional)

If the repeater will be used in a high RF environment, an externally mounted preselector may be desired. See page 5 for preselector kits.

For other optional accessories, see page 5.

RADIUS GR1225™ REPEATER ACCESSORIES

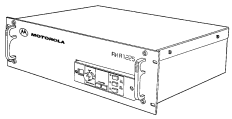
MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
Repeater Controller: Except where noted, all the controllers require the HKN9234 controller cable kit. **Service information is in the Service Manuals that ship with the controllers and RSS programming information is in the RSS manuals that ship as a part of the Radius RSS Subscription program.**		
HLN9119	**ZR340 Advanced Interconnect Controller** Provides advanced interconnect capabilities including password driven access anc disconnect codes, customized toll restrict and toll restrict bypass. Does not use RSS Programming done via DTMF parameters.	$765.00
HKN9234	Controller Cable Kit (required for HLN9119)	$73.00
Preselectors: - To order these Preselectors TUNED, call Dealer Support Services to place your order at 800-927-2744, Prompt 1, 1. To order these Preselectors UN-TUNED, order directly through RPSD. **These preselectors must be mounted externally when using a GR1225 Repeater. All preselectors have female type "N" connectors. A dealer supplied type "N" male to male connector is required for proper operation. The length of the cable depends on your application. Call RPSD at 847-538-0021 to find a cable for your individual application.**		
HFD8461	VHF Preselector, 144-160 MHz	$336.00
HFD8462	VHF Preselector, 160-174 MHz	$336.00
HFE8459	UHF Preselector, 440-474 MHz	$336.00
General Accessories:		
HLN9455	CDR700, GR1225, RKR1225 & GR400 X-Pand Battery Revert & Float Maintenance Charger	$129.00
HPN9033	CDR700, GR1225 & RKR1225 Power Supply	$201.60
HMN3000	Desk Microphone, Black	$120.00
HLN9457	Hardware Kit for use with the Expanded Accessory Connector (includes 16 connector pins, five (5) 8" wires with pins attached and an extra housing)	$6.95
Antennas:		
RDD4527	VHF 3dB Gain Antenna, 150-158 MHz	$327.00
RDE4556	UHF 3.8dB Gain Antenna, 450-470 MHz	$270.00
Lightning Protection Recommendation Accessories:		
Phone/Remote Line Suppressors:		
RRX4021	Single Line Suppressor	$50.00
Coaxial Cable In-Line Arrestors:		
RRX4025	Type "N" Connector	$65.00
RRX4032	Tower Mounting Hardware	$15.00
Desktop Controllers and Remote Adapters:		

For pricing and ordering information refer to pages within this section.

RADIUS GR500 X-PAND™ and RKR1225™ REPEATER HOUSINGS

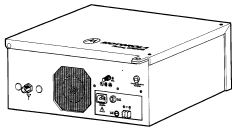
MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE

RKR1225 RACK MOUNT REPEATER HOUSING



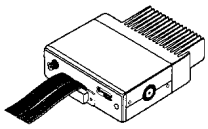
HLN3254

GR500 X-PAND WALL MOUNT REPEATER



HLN3103

R1225 REPEATER TRANSCEIVER



M43GRC90C2_A / M44GRC90C2_A

The R1225 Repeater Transceiver is compatible with RKR1225 and GR500 repeater housings. The following ordering steps should be followed to ensure that everything is ordered for complete operation.

Step One: (Required)

Select One (1) X-Pand Repeater Housing. These housings are not compatible with GM300 Mobiles.

HLN3254	RKR1225 Rack Mount Repeater Housing Includes Control Head, Fan Kit & Cables (does not include HPN9033 power supply)	$595.00
HLN3103	GR500 X-Pand Wall Mount Repeater Housing	$562.00

Step Two: (Required)

Select One (1) R1225 Repeater Transceiver.

M03GRC90C2_A	VHF 1-10 Watt, R1225 Repeater Transceiver 146-174 MHz	$836.00
M43GRC90C2_A	VHF 25-50 Watt, R1225 Repeater Transceiver 146-174 MHz	$1,018.00
M04GRC90C2_A	UHF 1-10 Watt, R1225 Repeater Transceiver 444-474 MHz	$909.00
M44GRC90C2_A	UHF 25-45 Watt, R1225 Repeater Transceiver 444-474 MHz	$1,091.00

Step Three: (Required for GR500 Only)

Select Conversion Kit for GR500

HLN3100	Conversion Kit - this kit enables use of the R1225 transceiver with any of the HLN9117, HLN3102, HLN3103 GR400 & GR500 housings & 6880905Z53 & 6880905Z54 Service Manuals included	$113.00

Step Four: (Optional)
All duplexers have female type "N" connectors.

Select One (1) Tuned Duplexer (5 Days ARO) - Specify frequency for tuning.

HFD8465	VHF Duplexer, 150-160 MHz (requires Internal Duplexer & Antenna Cable Kit - minimum & maximum freq. separation is 4.5 MHz/6 MHz) **Note: To order this Duplexer TUNED, call Dealer Support Services to place your order at 800-927-2744, Prompt 1, 1.**	$393.00
TDE7780	UHF Duplexer, 450-470 MHz (requires Internal Duplexer & Antenna Cable Kit - minimum & maximum frequency separation is 5 MHz)	$385.00

OR

Select One (1) Untuned Duplexer - Requires tuning in the field.

VHF - Duplexers

HFD8188	VHF Duplexer, 144-155 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$433.00
HFD8189	VHF Duplexer, 155-162 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$486.00

UHF - Duplexers

HFE8400	UHF Duplexer, 406-450 MHz (minimum & maximum freq. separation 5 MHz)	$390.00
RFE4000	UHF Duplexer, 450-470 MHz (requires Internal Duplexer & Antenna Cable Kit)	$365.00

Duplexer Cables

HKN9025	GR400 & GR500 Internal Duplexer & Antenna Cable - Required for use with duplexers.	$46.50
HKN9016	GR400 & GR500 External Duplexer & Antenna Cable - Required when using separate transmit and receive antennas or duplexers that do not fit into GR400 & GR500 housings.	$48.00
HKN9035	Internal Duplexer cables for RKR1225	$55.00
HKN9034	External Duplexer cables for RKR1225	$55.25

See the next page for additional steps.

RADIUS GR500 X-PAND™ and RKR1225™ REPEATER HOUSINGS

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE

The R1225 Repeater Transceiver is compatible with RKR1225 and GR500 repeater housings. The following ordering steps should be followed to ensure that everything is ordered for complete operation.

Step Five: (Optional)

Select an Antenna

Step Six: (Optional)

The R1225 repeater transceiver includes Basic Repeater Functionality. If enhanced features such as multiple PL codes, interconnect, signalling and trunking are required, please select the appropriate controller and cables.

Step Seven: (Optional)

If the repeater will be used in a high RF environment, a preselector may be required. See preselector kits.

Repeater Controller Accessories: Except where noted, all the controllers require the HKN9234 controller cable kit.
Service information is in the Service Manuals that ship with the controllers and RSS programming information is in the RSS manuals that ship as a part of the Radius RSS Subscription program.

HLN9119	**ZR340 Advanced Interconnect Controller** Provides advanced interconnect capabilities including password driven access and disconnect codes, customized toll restrict and toll restrict bypass. Does not use RSS. Programming done via DTMF parameters.	$765.00

Controller Cables:

HKN9040	RKR1225 Internal Controller Cable	$125.00
HKN9234	Controller Cable Kit (required for HLN9119)	$73.00

Preselectors: - To order these Preselectors TUNED, call Dealer Support Services to place your order at 800-927-2744, Prompt 1, 1. To order these Preselectors UN-TUNED, order directly through RPSD.
These preselectors must be mounted externally when using a GR1225 Repeater. All preselectors have female type N connectors. A dealer supplied type "N" male to male connector is required for proper operation. The length of the cable depends on your application. Call RPSD at 847-538-0021 to find a cable for your individual application.

HFD8461	VHF Preselector, 144-160 MHz	$336.00
HFD8462	VHF Preselector, 160-174 MHz	$336.00
HFE8459	UHF Preselector, 440-474 MHz	$336.00

Antennas:

RDD4527	VHF 3dB Gain Antenna, 150-158 MHz	$327.00
RDE4556	UHF 3.8dB Gain Antenna, 450-470 MHz	$270.00

General Accessories:

HLN9455	CDR700, GR1225, RKR1225 & GR400 X-Pand Battery Revert & Float Maintenance Charger	$129.00
HLN9169	CDR500 & GR500 Wall & 19" Panel Mount	$50.00
HPN9005	CDR500 & GR500 Power Supply	$492.00
HLN9242	16-Pin Accessory Kit with Expanded Connector (kit allows existing 16 pin connector accessories to be modified for enhanced connector reliability)	$5.65
HMN1037	Non-Backlit Touch-Code Microphone with Hang-Up Clip	$155.00
HMN3000	Desk Microphone, Black	$120.00
HLN9457	Hardware Kit for use with the Expanded Accessory Connector (includes 16 connector pins, five (5) 8" wires with pins attached and an extra housing)	$6.95

Desktop Controllers and Remote Adapters:

For pricing and ordering information refer to pages within this section.

Lightning Protection Recommendations Accessories:

Phone/Remote Line Suppressors:

RRX4021	Single Line Suppressor	$50.00

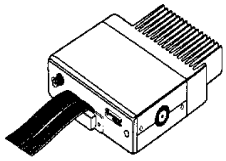
Coaxial Cable In-Line Arrestors:

RRX4025	Type "N" Connector	$65.00
RRX4032	Tower Mounting Hardware	$15.00

RADIUS 100 WATT REPEATER
Dealer Assembled Model

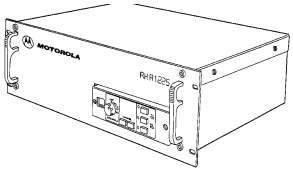
MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE

R1225 REPEATER TRANSCEIVER



M04GRC90C2_A

RKR1225 RACK MOUNT REPEATER HOUSING



HLN3254

Step One: (Required)

Order Repeater Transceiver Model.

M03GRC90C2_A	VHF 1-10 Watt, R1225 Repeater Transceiver 146-174 MHz	$836.00
M04GRC90C2_A	UHF 1-10 Watt, R1225 Repeater Transceiver 444-474 MHz	$909.00

Step Two: (Required)

Order Repeater Housing.

HLN3254	RKR1225 Rack Mount Repeater Housing Includes Control Head, Fan Kit & Cables (does not include HPN9033 power supply).	$595.00

Step Three: (Required)

Order Duplexer/Antenna Cable Kit.

	VHF Duplexers:	
RDD4901	Compact Band Pass / Band Reject Base Station Duplexer that is rack mountable. 138-174 MHz, 350W, Insertion Loss Tx/Rx (dB): 1.5dB / 1.5dB, Min Separation Tx-Rx (MHz): 0.5 MHz (500kHz), Isolation Tx/Rx side (dB): 85dB @ 500kHz.	$1,742.00
RDD4908	Compact Band Pass / Band Reject Base Station Duplexer that is rack mountable. 138-174 MHz, 350W, Insertion Loss Tx/Rx (dB): 1.5dB / 1.5dB, Min Separation Tx-Rx (MHz): 0.5 MHz (500kHz), Isolation Tx/Rx side (dB): 70dB @ 500kHz.	$1,276.00
RDD4717	Compact Band Pass / Reject Base Station Duplexer that is rack mountable. 144-174 MHz, 120W, Insertion Loss Tx/Rx (dB): 0.8dB / 0.8dB, Min Separation Tx-Rx (MHz): 0.5 MHz (500kHz), Isolation Tx/Rx side (dB): 80dB @ 500kHz.	$1,240.00
	UHF Duplexers:	
RDE5227	Band Pass / Reject Duplexer with low loss and close spacing. 440-470 MHz, 150W, Insertion Loss Tx/Rx (dB): 2.0dB / 2.0dB, Min Separation Tx-Rx (MHz): 1.0 MHz, Isolation Tx/Rx side (dB): 60dB.	$1,485.00
RDE4672	Compact Notch Duplexer, with low loss and brass construction. 435-470 MHz, 100W, Insertion Loss Tx/Rx (dB): 1.2dB / 1.2dB, Min Separation Tx-Rx (MHz): 5 MHz, Isolation Tx/Rx side (dB): 75dB.	$1,012.00
RDE5221	Pass / Reject Duplexer with low loss and close spacing. 440-470 MHz, 150W, Insertion Loss Tx/Rx (dB): 1.2dB / 1.2dB, Min Separation Tx-Rx (MHz): 2.6 MHz, Isolation Tx/Rx side (dB): 80dB.	$1,564.00
RDE4830	Modular Q-Circuit Band Pass / Reject Duplexer that is rack mountable. 406-512 MHz, 125W, Insertion Loss Tx/Rx (dB): 0.8dB / 0.8dB, Min Separation Tx-Rx (MHz): 5 MHz, Isolation Tx/Rx side (dB): 75dB.	$968.00
RDE4835	Modular Q-Circuit Band Pass / Reject Duplexer that is rack mountable. 406-512 MHz, 125W, Insertion Loss Tx/Rx (dB): 1.2dB / 1.2dB, Min Separation Tx-Rx (MHz): 5 MHz, Isolation Tx/Rx side (dB): 85dB.	$1,450.00
	Cable Kit:	
HKN9034	External Duplexer cables for RKR1225	$55.25

See next page for additional steps.

RADIUS 100 WATT REPEATER
Dealer Assembled Model

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
Step Four: (Required)		
Select Power Amplifier.		
RDD4638	TPL Power Amplifier (136-174 MHz) 10W in & 100W out, includes fan and 25 amp power supply with external 4 amp connection to power R1225 1-10W transceiver & LTR® panel and receiver multicoupler if required.	$1,476.00
RLN4822	TPL Power Amplifier (450-470 MHz) 10W in/100W out, includes fan and 25 amp power supply with external 4 amp connection to power R1225 1-10W transceiver & LTR® panel and receiver multicoupler if required.	$1,575.00
Step Five: (Required)		
Order One (1) R1225 Transceiver and Fan Power Cable and One (1) Transmitter Cable.		
3080384H06	R1225 Transceiver and Fan Power Cable, terminations: ring terminals for connection to power amplifier power supply external 4 amp connection, R1225 power & fan connector.	$28.00
3080384H84	Transmitter Cable, connects R1225 transmitter output to power amplifier input, 2 Ft. long RG142 coax cable, N male terminations.	$25.00

Step Six: (Optional)

Select the appropriate Controller Panel if required. See GR1225 Repeater Accessories for a complete listing.

Step Seven: (Optional)

Order a Site Modem - Contact RPSD for Modem Accessories.

Step Eight: (Optional)

Select an Equipment Rack and Rack Accessories. Contact RPSD for additional accessories.

Step Nine: (Optional)

Select a Base Station Antenna. See accessories within this section or contact RPSD.

Step Ten: (Optional)

Select Transmission Line, Connectors and Accessories. See accessories within this section or contact RPSD.

Step Eleven: (Optional)

Select Surge Protection Equipment. Contact RPSD for Surge Protection accessories.

NOTE: Consult your Area Distribution Manager for master antenna systems (transmitter combiner/receiver multicoupler) solutions.

RADIUS 100 WATT REPEATER ACCESSORIES

Date 1/9/06

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
Miscellaneous Accessories:		
4280393A44	4" Long Black Cable Ties, 100 pack	$2.20
4280393A46	8" Long Black Cable Ties, 100 pack	$4.45
Omnidirectional Antennas:		
RDD4379	148-150.8 MHz, 3dB Gain with Max power 350W - Termination N Male++ (ASP-A680) - includes mounting hardware (2 of ASPR616)	$499.00
RDD4380	150.8-153 MHz, 3dB Gain with Max power 350W - Termination N Male++ (ASP-B680) - includes mounting hardware (2 of ASPR616)	$499.00
RDD4381	153-156.2 MHz, 3dB Gain with Max power 350W - Termination N Male++ (ASP-C680) - includes mounting hardware (2 of ASPR616)	$499.00
RDD4382	157-160 MHz, 3dB Gain with Max power 350W - Termination N Male++ (ASP-D680) - includes mounting hardware (2 of ASPR616)	$499.00
RDD4543	136-141 MHz, 5.25dB Gain with Max power 500W - Termination UHF Female (PD220-1) - includes mounting hardware (46 clamps set)	$814.00
RDD4544	142-150 MHz, 5.25dB Gain with Max power 500W - Termination UHF Female (PD220-2) - includes mounting hardware (46 clamps set)	$814.00
RDD4391	155-163 MHz, 5.25dB Gain with Max power 500W - Termination UHF Female (PD220-4) - includes mounting hardware (46 clamps set)	$814.00
RDD4389	150.5-158.5 MHz, 5.25dB Gain with Max power 500W - Termination UHF Female (PD220-3A) - includes mounting hardware (46 clamps set)	$814.00
RDD4390	151.5-159.5 MHz, 5.25dB Gain with Max power 500W - Termination UHF Female (PD220-3B) - includes mounting hardware (46 clamps set)	$814.00
RDD4545	157-165 MHz, 5.25dB Gain with Max power 500W - Termination UHF Female (PD220-5) - includes mounting hardware (46 clamps set)	$814.00
RDD4392	160-169 MHz, 5.25dB Gain with Max power 500W - Termination UHF Female (PD220-6) - includes mounting hardware (46 clamps set)	$814.00
RDD4546	165-174 MHz, 5.25dB Gain with Max power 500W - Termination UHF Female (PD220-7) - includes mounting hardware (46 clamps set)	$814.00
RDD4477	150-164 MHz, 5.3dB Gain with Max power 500W (DB616-AB) - Termination UHF Female (fixed) - includes mounting hardware (DB5087-3) (optional: RDN4449 side mount - not included)	$1,790.00
RDE4545	450-470 MHz, 5dB Gain Antenna, 150W, N Female (Celwave PD201-7)	$490.00
Directional Antennas:		
RDD4836	136-150 MHz, 9.2dB Gain with Max power 500W - Termination N Female (Y1365) - includes mounting bracket	$210.00
RDD4837	150-174 MHz, 9.2dB Gain with Max power 500W - Termination N Female (Y1365) - includes mounting bracket	$210.00
RDD4435	150-160 MHz, 9.5dB Gain with Max power 350W - Termination N Male (DB292A) - includes galvanized steel clamps	$670.00
RDD4436	155-164 MHz, 9.5dB Gain with Max power 350W - Termination N Male (DB292A) - includes galvanized steel clamps	$670.00
RDD4437	164-174 MHz, 9.5dB Gain with Max power 350W - Termination N Male (DB292A) - includes galvanized steel clamps	$670.00

RADIUS 100 WATT REPEATER

Date 1/9/06

ACCESSORIES

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
Yagi Antennas:		
RDE4413	450-470 MHz, 10dBd Gain Antenna, 250W, N Male (Decibel DB436-C)	$235.00
Transmission Line:		
RDN5507	½" Superflexible HELIAX®, Andrew FSJ4-50B, Ideal for jumper assemblies, 1.25” bending radius, 2.32dB/100’ loss at 450MHz	$4.15 ft
RDN5502	½" HELIAX®, Andrew LDF4-50A, Ideal for jumper assemblies and short runs, 1.51dB/100’ loss at 450MHz	$2.84 ft
RDN5503	7/8' HELIAX®, Andrew LDF5-50A, 0.834dB/100’ loss at 450MHz	$6.51 ft
RDN5505	1 5/8” HELIAX®, Andrew LDF7-50A, 0.515dB/100’ loss at 450MHz	$16.90 ft
Transmission Line Connectors:		
	UHF Male Connector	
RDN5550	½” HELIAX® Transmission Line UHF Male Connector (Andrew L44P)	$31.00
Transmission Line Accessories:		
	Standard Grounding Kit	
RDN5517	7/8” HELIAX® - factory attached 1 hole lug, 24" ground (Andrew 204989-2)	$30.31
General Coax Protection: (not for use where transmitter combining is performed)		
RRX4038	Polyphaser IS-B50LN-C2-MA, Frequency Range: 125-1000MHz, Through Put Energy: 220uJ, Max Power UHF 125W, N male antenna side/N female equip. side.	$65.00
RRX4039	Polyphaser IS-B50HN-C2-MA, Frequency Range: 125-1000MHz, Through Put Energy: 800uJ, Max Power UHF 250W, N male antenna side/N female equip. side.	$70.00

All MC1000, MC2000 and MC2500 Models Include:
- Single Frequency Station Control (Local Model)
- 4 Frequency Station Control (Tone & DC Model)
- Push-to-Talk Handset
- 2 or 4 Wire
- LOTL/LOBL
- Black Color
- Volume Control / Transmit LED
- Monitor Switch
- 120V AC - 60 Hz Power Supply
- Supervisory Takeover or Line Select (Tone/DC)
- Operator Cross Mute
- Intercom
- LTR® Compatible
- Service Manual
- One Year Warranty

MC2500 Only Additional Features:
- 4 Base Station Control - Capable of controlling 4 Tone channels or 3 Tone channels and 1 DC channel.
- Also capable of E & M control on all channels. Use of a Tone or DC Remote Adapter is required when connected to a mobile in a tray.
- Connector for Unselect Speaker
- Individual Volume Control
- Dedicated Logging Recorder Output
- Radio Patch
- Multi - Select
- Multi -Tasking
- All Mute

MC2000 MC2500 MC1000

MC2000/MC2500 Additional Features:
- 18 Programmable Buttons
- 2 Line x 20 Character Backlit Display
- Multi-Frequency Capability - up to 16 frequencies on Tone
- 110V/220V AC - 50/60 Hz Power Supply
- MDC Features:
  - PTT Unit ID (Encode/Decode)
  - Voice Selective Call (Encode/Decode)
  - Call Alert/Short Call Alert (Encode/Decode)
  - Status Message (Decode)
  - Radio Enable/Disable (Encode)
  - Radio Check (Encode)
  - Emergency Alarm (Decode)
- Recent User Stack - Last nine records are stored for review at any time.
- RS232 Port - Allows RSS programming via computer or the logging of MDC1200 inbound/outbound Serial Printer Port activity for permanent record keeping on a serial printer.
- Paging Encode - Allows you to selectively call a pager, portable, or mobile unit and eliminate the need to purchase a stand alone encoder. The following schemes are supported: QC II, 2 Tone, 5 Tone, 6 Tone, Digital Dial, Reach 1+1, GE 99, NEC 5 & 6, DTMF or Custom A and B tones.
- Aux I/O's
- Securenet Coded/Clear Operation - Supports positive mode control (Tone)

Notes:

1) Intercom - Allows communication between desksets without accessing the radio frequency
2) Up to 10 remotes can be used in parallel.
3) MC Series remotes are not compatible with 900 MHz MaxTrac Mobiles.
4) MC2000 and MC2500 units require RSS programming software.
5) MC2500 unselect speaker port supports a passive speaker only.
6) For unexpected out-of-box failures or quality issues, the MC Series and MC3000 must be returned for warranty repair. Please refer to the user's manual. Units will be replaced if they are sent in a total of 3 times and continue to exhibit the same problem.
7) For L3276 & L3277, radio interface cable not included. Must be ordered separately.

Extended Local Control Model Only

- If more than one L3211 or L3214 is used in parallel, the total distance of all parallel units cannot exceed 1000 Ft..

DC and Tone Remote Control Models Only:

- For DC and Tone Remote Control: If base is not remote capable, a Remote Adapter is required (see L3276 & L3277).
- The L3213 Desksets support channel steering between 4 talkgroups over conventional or LTR® Trunking Systems.
- The L3216 and L3217 Desksets support channel steering between 15 talkgroups over conventional or LTR® Trunking Systems.

MODEL NUMBER	DESCRIPTION	MANUF.SUGG RETAIL PRICE
L3211	MC1000 Extended Local Control Deskset - Single Frequency	$285
L3212	MC1000 DC Remote Control - 4 Frequency Maximum, 2-Wire or 4-Wire	$545
L3213	MC1000 Tone Remote Control - 4 Frequency Maximum, 2-Wire or 4-Wire	$525
L3214	MC2000 Extended Local Control Deskset - Single Frequency	$1,080
L3215	MC2000 DC Remote Control - 4 Frequency Maximum, 2-Wire or 4-Wire	$1,360
L3216	MC2000 Tone Remote Control - 16 Frequency Maximum, 2-Wire or 4-Wire, Parallel Status Updating	$1,280
L3217	MC2500 Multi-Channel Remote Control	$2,482

MC1000™, MC2000™ & MC2500™
DESKTOP CONTROLLERS
ACCESSORIES

MODEL NUMBER		MANUF.SUGG.RETAIL PRICE
Tone & DC Remote Adapters - includes AC Power Supply (DDN7066) and Install/Service Manual:		
L3276	Tone Remote Adapter	$655.00
L3277	DC Remote Adapter	$512.00
General Accessories:		
HMN3000	Desk Microphone for MC2000, MC2500 & L3276, Black	$120.00
DDN6516	Headset Jackbox - adds headset capacity	$110.00
DDN6668	Single Footswitch	$94.00
HLN9457	Hardware Kit for use with the Expanded Accessory Connector (includes 16 connector pins, five (5) 8" wires with pins attached and an extra housin	$6.95
Extended Local Control Accessories (for use with L3211 and L3214):		
DDN6337	Junction Box (order appropriate cable below) For connecting up to 6 local control desksets to the station	$398.00
Radio Interface Cables (for use with DDN6337, L3276 and L3277):		
DDN6338	Radio Interface Cable (10 Ft.) for use with MaxTrac (16 pin accessory connector required), SM120™, M1225™, CDM750™, CDM1250™, CDM1550™ & CDM1550•LS+™	$72.00
DDN6340	Generic Radio Cable (10 Ft.) - unterminated, bare leads (can also be used with L3217)	$50.00
Field Install Kits:		
DDN6481	Punch Block with Spark Gap (recommended)	$405.00
DDN6341	110VAC Transformer for MC1000 models	$49.00
DDN6342	110/220VAC - 50/60 Hz Power Supply for MC2000 and MC3000 models	$169.00
DDN6339	110/220VAC - 50/60 Hz Power Supply for MC2500 models	$198.00
DDN7066	110/220VAC - 50/60 Hz Power Supply for L3276 & L3277 Remote Adapters	$155.00
Programming (MC2000 and MC2500 Models Only):		
RVN4178	Radio Service Software (includes CD-ROM)	$265.00
DDN6367	Radio Service Software Cable AT (DB9)	$35.00

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RADIUS PORTABLE PRODUCTS

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SP10™/P100™/P110™/P200™/GP350™/GP300™/SP50+™/SP50™

SP10	P100	P110	P200	GP350	GP300	SP50+/SP50	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
INTRINSICALLY SAFE (FM) - HNN9361, NTN5545 & HNN9701 are rated as Intrinsically Safe for use in Classes I, II and III, Division 1, Groups C, D, E, F and G. HNN8133 is rated as Intrinsically Safe for use in Class I, Division 1, Groups C & D.									
							Antennas:		
			X				8505816K22	VHF Heliflex Antenna, Yellow, Molded, 136-150.8 MHz	$12.25
X	X	X			X		HAD9338_R	VHF Heliflex Antenna, 136-150.8 MHz	$11.75
	X	X		X	X	X	NAD6502_R	VHF Heliflex Antenna, 150-162 MHz	$11.75
			X				8505816K21	VHF Heliflex Antenna, Black, Molded, 150.8-162 MHz	$12.25
			X				8505816K23	VHF Heliflex Antenna, Blue, Molded, 162-174 MHz	$12.25
	X						HAD9337	VHF Flexible Antenna, Whip-Dip Coated, 162-175 MHz	$12.25
X		X		X	X	X	HAD9742	VHF Stubby Antenna, 146-162 MHz	$10.75
		X		X	X	X	HAD9743	VHF Stubby Antenna, 162-174 MHz	$10.75
		X		X	X		HAD9728	Tunable Antenna Kit, 136-174 MHz	$11.25
X	X	X		X	X	X	NAE6483_R	UHF Whip Antenna, 403-520 MHz	$11.75
			X		X		8505816K24	UHF Heliflex Antenna, Red, Molded, 403-433 MHz	$12.25
						X	NAE6522_R	UHF Heliflex Stubby Antenna, 438-470 MHz	$12.25
			X	X			8505816K25	UHF Heliflex Antenna, Green, Molded, 450-470 MHz	$12.25
		X	X		X		8505816K26	UHF Heliflex Stubby Antenna, Black, Molded, 470-512 MHz	$12.25
X							HAE9001	UHF Stubby Antenna, 462-470 MHz	$11.25
						X	HLN9087	External Antenna Adapter - BNC Connector	$9.35
X							HLN8262	External Antenna Adapter (BNC connector)	$13.00
							Batteries:		
X						X	HNN9044_R	NiCd, 550 mAh, 7.5V Battery (SP50+ & SP50 - Compact models only)	$35.00
					X		HNN9808	NiCd, 600 mAh, 7.5V Slim Battery - Intrinsically Safe (FM)	$105.00
				X			HNN9361	NiCd, 1000 mAh, 7.5V Battery - Intrinsically Safe (FM)	$165.00
			X				NTN5545	NiCd, 1000 mAh, 10V Battery - Intrinsically Safe (FM)	$94.75
	X						NTN5451	NiCd, 1100 mAh, 10V Battery	$62.00
			X				NTN5521	NiCd, 1100 mAh, 10V Battery	$76.00
		X					HNN8148	NiCd, 1100 mAh, 7.5V Battery	$85.00
					X		HNN9701	NiCd, 1100 mAh, 7.5V Battery - Intrinsically Safe (FM)	$135.00
				X			HNN9360	NiCd, 1200 mAh, 7.5V Battery	$83.00
					X		HNN9628	NiCd, 1200 mAh, 7.5V Battery	$84.00
						X	HNN9018_R	Ni-Cd, 1200 mAh, 7.5V Battery (Standard models only)	$45.00
					X		HNN8133	NiCd, 1200 mAh, 7.5V Battery - Intrinsically Safe (FM)	$115.00
							Battery Eliminators:		
					X		HKN8036	Vehicular Battery Eliminator (utilizes battery in vehicle for power)	$76.50
							Battery Maintenance Systems:		
X	X	X	X	X	X	X	WPLN4079_R	Battery Maintenance System Plus (BMS+) - 110 Volt AC, 50/60 Hz - Six Station Reconditioner. Using interchangeable adapter plates (sold separately), the BMS+ is capable of charging and discharging, analyzing, conditioning, cycle testing, and more. Supports NiCd, NiMH and Li-ion battery chemistries.	$650.00
						X	NDN4005	Battery Maintenance System (BMS) - 110 Volt AC, 50/60 Hz - Three Station Reconditioner. Supports NiCd and NiMH batteries (adapters sold separately).	$499.00
						X	WPLN4124_R	Battery Optimizing System II (BOS II) - 90-240 Volt AC, 50/60 Hz, 4 Station Reconditioner. Provides powerful analyzing and reconditioning features. Includes 12 resident programs, a QuickTest™ diagnostic battery state of health program, programmable adapter plates, and much more. Supports NiCd, NiMH, Li-ion and SLA batteries.	$2,106.00
X						X	TDN9447	BMS Battery Adapter (for HNN9044 & HNN9018_R batteries)	$26.00
					X		TDN9437	BMS Battery Adapter (for use with HNN9628 Battery)	$26.00
						X	RL-71292	Adapter Plate for use with BOS and BOS II	$85.00
				X			CDN6189	Adapter, 7.5V, 1200 mAh	$40.00
			X				TDN9441	Adapter, 10V, 550/1000 mAh	$26.00

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SP10™/P100™/P110™/P200™/GP350™/GP300™/SP50+™/SP50™

SP10	P100	P110	P200	GP350	GP300	SP50+/SP50	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
							Remote Speaker Microphones:		
	X						NTN4849	Remote Speaker Microphone with Coil Cord	$99.50
			X				NMN6145	Remote Speaker Microphone with Belt Clip, Coil Cord & 2.5 mm Earphone Jack	$120.75
			X				NMN6156	Remote Speaker Microphone with Coil Cord & Clothing Clip (does not have earpiece jack)	$114.50
X							HMN9051	Remote Speaker Microphone with Coiled Cord and Swivel Clothing Clip	$57.75
				X			HMN9031	Remote Speaker Microphone	$78.75
		X			X	X	HMN9030	Remote Speaker Microphone with Coiled Cord and Swivel Clothing Clip - (Resale Packaging available through RPSD)	$73.50
							Ear Microphones and Accessories:		
			X				BDN6677	Ear Microphone, Black (for noise levels up to 95dB) - requires Interface Module	$198.00
			X				BDN6678	Ear Microphone, Beige (for noise levels up to 95dB) - requires Interface Module	$198.00
			X				BDN6641	Ear Microphone, Gray (for high noise levels up to 105dB) - requires Interface Module	$247.00
				X	X		HMN9047	Ear Microphone with VOX Interface Module (External VOX included) - Intrinsically Safe (FM)	$550.00
		X			X	X	BDN6706	Ear Microphone with PTT & VOX Interface Module (External VOX included-selectable switch for PTT or VOX)	$524.00
		X			X	X	BDN6646	Ear Microphone with PTT Interface Module	$461.00
		X	X	X	X	X	0180358B33	Medium Earholder for Ear Microphone System, Black (For securing ear microphone in ear) - Additional sizes & colors available.	$19.00
			X				0180300E25	Adjustable Earholder (for securing ear microphone in ear)	$45.75
		X	X	X	X	X	0180300E83	Body Switch Push to Talk for Ear Microphone System	$159.00
		X	X	X	X	X	0180358B38	Finger Push to Talk Switch for Ear Microphone System - Intrinsically Safe (FM)	$52.50
							Audio Earpieces and Accessories:		
	X						NTN5633	Earpiece without Volume Control	$63.00
X							BDN6774	Earpiece with Microphone (worn over ear with streamlined boom microphone)	$51.00
X							HMN8433	Earpiece without Volume Control, Beige (single wire - rubber eartip style)	$34.00
X							HMN9040	Flexible Ear Receiver, Receive Only (flexible earloop and speaker which rests external to ear)	$35.00
		X		X	X	X	BDN6720	Flexible Ear Receiver, Black - Earpiece without Volume Control (flexible earloop & speaker that rests external to ear - Resale Packaging through RPSD)	$35.00
		X			X	X	HMN9727	Earpiece without Volume Control, Beige (single wire - Resale Packaging available through RPSD)	$36.00
		X			X	X	HMN9752	Earpiece with Volume Control (single wire)	$45.00
						X	RLN4894	Earpiece without Volume Control, Black (single wire)	$35.00
				X			HMN9042	Earpiece without Volume Control (single wire) - Does not require HLN9482	$54.00
					X	X	PMMN4001	Ultra-Light Earpiece with Boom Microphone and In-Line PTT	$54.00
					X	X	RLN5317	2-Wire Comfort Earpiece with Combined Microphone and PTT, Beige Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise enhancement (NTN8371) already attached for extra comfort and convenience.	$120.00
					X	X	RLN5318	2-Wire Comfort Earpiece with Combined Microphone and PTT, Black Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise enhancement (NTN8371) already attached for extra comfort and convenience.	$120.00
			X				ZMN6032	2-Wire Surveillance Kit with Microphone & PTT Combined, (requires NTN5075) - Intrinsically Safe (FM)	$143.00
					X	X	RLN5198AP	2-Wire Surveillance Kit with Clear Comfortable Acoustic Tube, Beige (Resale Packaged)	$125.00
				X			HMN9044	2 Piece Surveillance Kit with Microphone & PTT Combined (2-wire - rubber eartip style) (GP350 - connects directly to the GP350 - does not require HLN9482)	$129.00
		X			X	X	HMN9754	2 Piece Surveillance Kit, with Microphone and PTT Combined, Beige (2-wire - rubber eartip style - Resale Packaging available through RPSD)	$114.00
						X	RLN4895	2 Piece Surveillance Kit, with Microphone and PTT Combined, Black (2-wire - rubber eartip style)	$114.00

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SP10™/P100™/P110™/P200™/GP350™/GP300™/SP50+™/SP50™

SP10	P100	P110	P200	GP350	GP300	SP50+/SP50	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
							Audio Earpieces and Accessories Continued:		
X		X		X	X	X	NTN8370	Extreme Noise Earpiece Adapter Kit, Noise Reduction Rating = 24dB - (for use with surveillance accessories)	$32.00
X		X		X	X	X	NTN8371	Low Noise Earpiece Adapter Kit - (for use with surveillance accessories - clear comfortable earpieces can be added for extra comfort - must be ordered separately through RPSD)	$20.00
X							HMN9004	Earbud (single wire - Receive only)	$18.00
X							HMN8435	Earbud with Clip Microphone and PTT (2-wire - transmit & receive)	$40.00
						X	HMN9036	Earbud with Clip Microphone and PTT, Transmit & Receive (2-wire - not recommended for use with PL codes above 225 Hz - Resale Packaging is also available through RPSD)	$40.00
						X	HLN9132	Earbud (single wire - Receive only - not recommended for use with PL codes above 225 Hz)	$21.00
						X	RLN4922	Completely Discreet Earpiece Kit - must be used with any standard 2 or 3-wire surveillance kit	$340.00
X		X	X	X	X	X	5080384F72	Replacement Foam Plugs-Pack of 50 (for use with NTN8370), Noise Reduction Rating = 24dB	$47.25
X							7580372E70	Replacement Foam Cushions - Pack of 10 (for use with HMN8435 & HMN9004)	$8.40
						X	5080370E97	Replacement Rubber Eartips, Clear - Pack of 25 (for use with NTN8371)	$29.25
				X			HLN9482	Audio Accessory Adapter	$17.50
		X			X		HLN8096	Audio Accessory Security Clamp	$4.00
			X				5880378B84	Jack Adapter - 3.5mm to 2.5mm	$5.45
							Add-On Retrofit Kits:		
X							HLN3987	PL Retrofit Kit (for use with Open Squelch models)	$55.25
		X			X		HLN3748	DTMF Retrofit for 16 Channel Models (Applicable to shipments after 3/15/92)	$105.00
							Replacement Housing Kits:		
						X	HHN9208	SP50+ - Replacement Housing Kit - 10 Channel - Compact Model	$63.75
						X	HHN9207	SP50 - Replacement Housing Kit - 10 Channel - Standard Model	$59.50
							Headsets and Accessories:		
					X	X	RLN5411	Ultra-Light Headset, behind-the-head with In-Line PTT and Boom Microphone	$60.00
X							RLN5580	Ultra-Light Headset, behind-the-head with In-Line PTT and Boom Microphone	$55.00
						X	RLN5238	NFL Style Lightweight Single Muff Headset with In-Line PTT	$125.00
X							BDN6773	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone	$53.00
						X	RMN4016	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM)	$105.00
		X		X	X	X	HMN9013	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone (Resale Packaging available through RPSD) (GP350 - Intrinsically Safe (FM) - HLN8096 Security Clamp recommended, must be ordered separately)	$57.00
				X			HMN9046	Lightweight Adjustable Headset with Swivel Boom Microphone (GP350 - Intrinsically Safe (FM) - connects directly to the GP350 - does not require HLN9482)	$64.00
		X		X	X	X	HMN9021	Medium Weight Dual Muff Headset, over-the-head, Noise Reduction Rating = 24dB (GP350 - Not Intrinsically Safe (FM) as configured: Audio Accessory with HLN9482 Adapter - requires HLN9482 & GP300 - Not Intrinsically Safe (FM) - HLN8096 Security Clamp is recommended and must be ordered separately)	$230.00
		X		X	X	X	HMN9022	Medium Weight Dual Muff Headset, behind-the-head (can be worn with hardhat), Noise Reduction Rating = 24dB (GP350 - Not Intrinsically Safe (FM) as configured: Audio Accessory with HLN9482 Adapter - requires HLN9482 & GP300 - Not Intrinsically Safe (FM) - HLN8096 Security Clamp is recommended and must be ordered separately)	$300.00
		X		X	X	X	BDN6647	Medium Weight Single Muff Headset with Boom Microphone	$151.00
		X			X	X	BDN6648	Heavy Duty Headset with Noise Cancelling Boom Microphone, behind-the-head (can be worn with hardhat) - Noise Reduction Rating = 24dB	$525.00

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SP10™/P100™/P110™/P200™/GP350™/GP300™/SP50+™/SP50™

SP10	P100	P110	P200	GP350	GP300	SP50+/SP50	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
							Headsets and Accessories Continued:		
					X	X	RMN5015	Racing Headset - Same headset worn by pit crews on the CART racing circuit. Heavy Duty, behind-the-head (can be worn with hardhat) Headset with Noise Cancelling Swivel Boom Microphone. Noise Reduction Rating = 24dB (adapter cable required and sold separately)	$500.00
					X	X	RKN4090	Adapter Cable for Racing Headset (for use with RMN5015)	$100.00
						X	RMN4051	2-Way Hard-Hat Mount Headset, Black - Noise Reduction Rating = 22dB (requires RKN4097 or RKN4094)	$225.00
						X	RMN4052	Tactical Headband-Style Headset, Gray - Noise Reduction Rating = 24dB (requires RKN4097 or RKN4094)	$330.00
						X	RMN4053	Tactical Hard-Hat Mount Headset, Gray - Noise Reduction Rating = 22dB (requires RKN4097 or RKN4094)	$330.00
						X	RKN4094	Adapter Cable with In-Line PTT (for use with RMN4051, RMN4052 & RMN4053 Headsets)	$184.00
X							BDN6775	External VOX Adapter (for use with BDN6773 or BDN6774)	$57.00
						X	HLN9133	VOX Adapter Kit (for use with headsets only)	$62.75
X		X		X	X	X	REX4648	Replacement Windscreen (for Boom Microphone) and Foam Ear Pad (SP50+, SP50, P1225 & GP300 - for use with HMN9787 & HMN9013 & GP350 - for use with HMN9013)	$7.20
		X		X	X	X	5080371E66	Replacement Ear Pads for use with BDN6647	$6.85
		X		X	X	X	3580371E59	Replacement Windscreen (for use with Boom Microphone) for use with BDN6647	$4.05
							Carrying Cases:		
		X					HLN9012	Leather Case with Belt Loop	$53.50
		X					HLN9013	Leather Case with Swivel	$60.00
			X				NTN5460	Large Leather Case with Belt Loop & D-Rings (for use with shoulder strap)	$70.00
			X				NTN5461	Large Leather Swivel Case & T-Strap and D-Rings (for shoulder strap - fits 2.25" belt)	$76.50
X							HLN8252	Leather Case with Belt Clip	$31.50
				X			HLN9417	Leather Case with Belt Loop and D-Rings (for use with shoulder strap)	$51.00
				X			HLN9323	Leather Case with Swivel	$57.00
					X		HLN9873	Standard Leather Case with Swivel and D-Rings (for use with shoulder strap)	$60.00
					X		HLN9720	Standard Leather Case with Belt Loop and D-Rings (for use with shoulder strap)	$53.50
						X	HLN9125	Hard Leather Carry Case with Belt Loop - Standard models only	$35.00
						X	HLN9122	Hard Leather Carry Case with Belt Loop - Compact models only	$35.00
						X	HLN9129	Hard Leather Carry Case with Swivel (Standard Model size case with spacer included for use with Compact models - Resale Packaging available through RPSD)	$40.00
						X	HLN9128	DTMF Leather Carry Case with Swivel (Standard Model ships with a spacer for use with Compact models)	$40.00
X							HLN8253	Nylon Case with Belt Loop	$26.50
						X	HLN9127	Nylon Carry Case with Belt Loop - Compact models only	$24.00
				X			HLN9416	Nylon Case with Belt Loop (Resale Packaging available through RPSD)	$24.00
						X	HLN9126	Nylon Carry Case with Belt Loop - Standard models only (Resale Packaging available through RPSD)	$24.00
					X		HLN9750	Nylon Case with Belt Loop for 1100-1200 mAh Batteries (Resale Packaging available through RPSD)	$25.50
		X					HLN8153	Nylon Case	$24.00
							Carrying Cases Accessories:		
X		X		X	X	X	HLN6602	Universal Chest Pack with Radio Holder, Pen Holder & Velcro Secured Pocket	$38.00
		X			X		HLN9076	Molded Holder with 3" Spring Action Belt Clip	$25.50
		X			X		HLN9084	Replacement Strap for Molded Holder (HLN9076)	$7.50
	X						4205297G03	T-Strap, Nylon	$8.00

RADIUS PORTABLE PRODUCTS

Date 1/27/06

SP10™/P100™/P110™/P200™/GP350™/GP300™/SP50+™/SP50™

SP10	P100	P110	P200	GP350	GP300	SP50+/SP50	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
							Carrying Cases Accessories Continued:		
X		X	X	X	X	X	HLN9724	2.5" Belt Clip	$3.00
			X				NTN4814	2.5" Belt Clip Carry Holder, Black	$29.50
X							HLN8240_R	2.5" Replacement Belt Clip	$3.00
			X				NTN5533	3" Belt Clip	$14.00
X		X		X	X	X	HLN8255	3" Spring Action Belt Clip	$6.00
	X						NTN4865	3.5" Belt Clip, Carry Holder, Urethane	$25.50
X		X		X	X	X	HLN9149_R	Swivel Belt Loop Adapter	$8.00
	X						4282421J06	2.5" Swivel Belt Loop (for use with Swivel Leather Cases)	$12.00
				X			NTN8039	2.5" Swivel Belt Loop (for use with Leather Cases)	$12.00
		X			X		4280483B03	2.5" Replacement Swivel Belt Loop (GP350 - same belt loop used in the HLN9873, HLN8411, HLN9009 & HLN9011 Cases)	$10.00
		X	X				4205857B01	3" Swivel Belt Loop (for use with Swivel Leather Cases)	$10.50
				X	X		NTN8040	3" Swivel Belt Loop	$12.00
			X				4205386S03	Replacement Nylon Strap for Large Cases with Snap	$11.00
	X	X	X	X	X		NTN5243	Shoulder Carry Strap	$20.00
X		X			X		HLN8414	Chest Pack Carry Holder	$32.00
		X		X	X	X	HLN9985	Waterproof Bag, includes large carrying strap	$36.00
		X	X	X	X	X	TDN9327	Portable Radio Hanger - for door panels up to 2.75" (slides over and hangs from the door panel in vehicle). Radio Belt Clip is required for use.	$18.00
		X	X	X	X	X	TDN9373	Portable Radio Hanger - for door panels from 2.75" to 3.25" (slides over and hangs from the door panel in vehicle). Radio Belt Clip is required for use.	$18.00
							Chargers:		
	X						NTN4881	Compact, Single Unit, Regular Charge, 117VAC	$36.50
			X				NTN5538	120 Volt - Single Unit - 1 Hour Rapid Rate Charger	$77.00
X							HTN9026_R	120 Volt - 3 Hour Desktop Charger	$51.50
						X	HTN9013	120 Volt - 3 Hour Desktop Charger (SP50 Standard models - Do not recommend use of the Wall Charging Adapter - HTN8232 due to charging time of 18-20 hours)	$57.75
						X	HTN9067	120 Volt - 6 Unit - 3 Hour Multi-Unit Charger	$483.00
						X	HTN9014	120 Volt - 10 Hour Desktop Charger (SP50 Standard models-Do not recommend use of the Wall Charging Adapter - HTN8232 due to charging time of 18-20 hours)	$36.75
X							HLN8371	120V - 10 Hour Desktop Charging Tray (requires use of HTN8232 shipped standard with all radios)	$18.00
X						X	HTN8232	120 Volt Replacement 10 Hour Charging Adapter (60 Hz) (SP50+ & SP50 - 10 Hours for Compact models & 18-20 Hours for Standard - do not recommend for Standard due to charging time)	$6.00
		X		X	X		HTN9042	120 Volt Intelli-Charge Rapid Rate Charger (90 Minute Charge Time)	$57.75
		X		X	X		HTN9702	110 Volt - 10 Hour Standard Rate Charger	$26.25
			X				NTN4668	117 Volt - 6 Unit, Rapid Charge Rate (1 Hour)	$625.00
		X		X	X		HTN9060	120 Volt - 6 Unit - 90 Minute Rapid Rate Charger (for use with NiCd & NiMH batteries only)	$494.00
		X		X	X		HLN9405	120 Volt - 6 Unit Charger Conversion Kit (for use with HTN9042)	$276.00
X							HLN9113	Desktop Charger Converter Kit (compatible with HLN8371 & HTN9026_R)	$21.00
		X		X	X		HLN9719	Vehicular Charger Adapter and Bracket (12 volt - for use with the HTN9042 Rapid Rate Charger). A charger base, without the transformer, HTN9886 can be ordered separately through RPSD.	$52.50
X							HTN9295	Multi-Unit Charger Conversion Kit	$135.00
	X		X				NLN7967	Wall Mount Kit for Multi-Unit Charger	$21.00

RADIUS PORTABLE PRODUCTS

Date 1/9/06

SP10™/P100™/P110™/P200™/GP350™/GP300™/SP50+™/SP50™

SP10	P100	P110	P200	GP350	GP300	SP50+/SP50	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
							Motorola Conditioning Chargers:		
		X		X	X		WPPN4065_R	Motorola Conditioning Charger - Four-Station - 110 Volt, Base only, requires adapter plates (sold separately)	$399.00
						X	WPPN4008_R	Adapter Plate Only (for Conditioning Chargers)	$15.00
X		X	X	X	X	X	3080384G15	Cigarette Lighter Adapter for Single & Multi Unit Motorola Conditioning Chargers	$7.00
							Service Accessories:		
				X			HLN3085	GP350 - DTMF Encode Retrofit Kit (16 channel models only) Intrinsically Safe (FM) radios must be returned to the depot for retrofitting.	$105.00
					X		HLN3747	GP300 - DTMF Retrofit for 8 Channel Models (only for units manufactured after 3/15/92)	$105.00
		X		X	X		5885705M02	Remote BNC - RF Adapter (for use with GP350 & GP300 models only)	$22.26
							Replacement Housing Kits:		
				X			HLN3097	GP350 - Replacement Housing Kit - 2 Channel	$73.50
				X			HLN3098	GP350 - Replacement Housing Kit - 16 Channel	$73.50
					X		HLN3002	GP300 - Replacement Housing Kit - 2 Channel	$105.00
					X		HLN3003	GP300 - Replacement Housing Kit - 8 Channel	$105.00
					X		HLN3169	GP300 - Replacement Housing Kit - 16 Channel	$102.00

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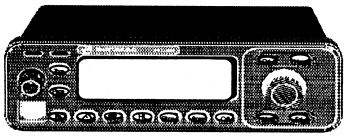
MCS2000™ Mobile Series
Remote Mount - Conventional Radio Systems
VHF & UHF Bands

All MCS2000 models include:
- On/Off/Volume Select Rotary Switch
- FLASHport Upgradeable
- Remote Mount
- Full Size Palm Microphone
- MIL Std 810 D, E (see Catalog Sheet for applicable tests)
- Radio Service Software Programmable
- Backlit Buttons
- LDC Display
- Speaker
- 17 Ft. Control Cable
- Negative Ground Power Cable
- Mounting Hardware
- User Guide (Quick Reference Card)



Model II

Notes:

1) **Ignition Sense Cable does NOT ship standard. The B113 NO CHARGE option must be ordered.**

2) 7.5 watt external speaker with 8 Ft. (2.44m) and a rotary dial for channel/mode selection. **Antenna selection must be made when placing an order.** (See ordering requirements and options page for details). MCS2000 Accessories meet varying MIL Standard Requirements. For additional information contact Product Services.

3) All MCS2000 radios are part of the FLASHport program and **ship standard** with a FLASH EE PROM, allowing feature upgrades within System Software Packages and upgrades between systems (contingent upon remaining within the same RF deck and memory space available in the mobile).

4) FCC Information: AZ492FT3781 (146-174 MHz) / (403-470 MHz)

General Ordering Information

1) Order the MCS2000 mobile as a main line item.

2) One antenna option MUST be ordered as a sub-item. (see option page)

3) The MCS2000 Mobile Series radios are part of the FLASHport Program. This means that MCS2000 models can be loaded with different software packages. Indicate the appropriate System Software Package (H35) as second sub-item. **A System Software Package MUST be ordered for each radio unit ordered.**

4) Frequency and squelch information are not required. Orders will be accepted without this information.

5) There are no restrictions as to the number of individual decode and encode PL and DPL codes that can be assigned in a radio. PL and DPL codes can be mixed on a mode. MCS2000 does not support unique PL's.

6) System Enhanced Options can be loaded at the time of radio purchase or at a later date through the use of software field upgrades (a FLASHport package, Smart RIB, RSS Terminal and RSS package are required for all software upgrades). The MCS2000 mobiles can be upgraded electronically in the field with new features in the current system or to new systems operation (contingent upon utilizing the same RF deck and other hardware limitations) by ordering upgrade kits from the MCS2000 FLASHport Aftermarket upgrade price page which appears later in this section.

7) ANTENNAS: **All mobiles MUST INCLUDE AN ANTENNA Option or a NO ANTENNA REQUIRED** G325 option.

8) Order RSS programming software package if required. (For programming of the radio in the field an IBM 486 (or compatible) computer with 5.0 DOS or higher and 8MB RAM is highly recommended.)

9) Names and aliases must be programmed via Radio Service Software in the field. All Stat-Alert parameters must be field programmed.

MODEL SPECIFIC FEATURES		MODEL SPECIFIC FEATURES	
Alphanumeric Display	1 X 14	Priority Monitor List Members	10
Speaker: 4 Watt Internal	N/A	Conventional Scan Members	16
Speaker: 7.5 Watt External	Standard	Telephone List	19+ Last # Dialed
Speaker: 13 Watt External	Optional	Unlimited Telephone Interconnect	With Optional Keypad Mic-
Emergency with Voice to Follow	Optional	Private Call Members	19
Req. Visor Mic - See accessories			With Optional Keypad Mic-
Emergency - Conventional	Standard		Unlimited Private Call,
Conventional Channels	160		Call Alert &
Optional Conventional Channels	250		Telephone Interconnect
Scan Lists	20	Call Alert List Members	19
Scan List Members	10	Status/Message	8/16

MCS2000™ Mobile Series
Remote Mount - Conventional Radio Systems
VHF & UHF Bands Models / Options

Model II

BAND SPLIT	BAND	CHANNEL	PWR	WATTS	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
146-174 MHz	VHF	160	HP	50-110W	M01KLM9PW6_N	$1,602
403-470 MHz	UHF	160	HP	50-110W	M01RLM9PW6_N	$1,602

Options:

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
Software Package Option:	**EACH MODEL MUST BE ORDERED WITH THE SOFTWARE PACKAGE OPTION**	
H35	Conventional System Software Package	$225.00

Standard Features:

- Repeater/Talkaround Operation
- PL/DPL/Carrier Squelch
- DTMF Tone Generation
- Dual Priority Channel Scan
- Scan (Auto, Pre-programmed, Operator Selectable Scan (see matrix on page 5))

Standard Signalling Features:

MDC1200/Stat-Alert Features:

- PTT-ID Transmit (Encode Only)
- Radio Check
- Call Alert (Encode/Decode)
- Voice Selective Call (Encode/Decode)
- Emergency Alarm with Acknowledge
- Emergency with Voice to Follow
- Emergency Call
- Status/Message
- Repeater Access Control (RAC)

Stat-Alert Only Feature:

- Stat-Alert Data Operated Squelch

System Enhancement Option:
The System Enhancement Option listed below can be ordered in conjunction with the Conventional System Software Package.
To clone radios and use existing programming templates, mobiles must include same software enhancements.

H169	Quik Call II (Decode), SingleTone (Encode)	$100.00
Microphone Options:		
B382	"Classic" White Palm Microphone	N/C
B01	3 x 4 Button Keypad Microphone (includes three additional programmable buttons)	$155.00
B239	Noise Cancelling Microphone (includes three additional programmable buttons)	$70.00
B71	Omit Standard Palm Microphone	-$45.00
B109	Handset (requires software version 3.11 or greater)	$140.00
Speaker Options:		
G310	External 13 Watt Water Resistant Speaker	$30.00
B87	Omit Standard External 7.5 Watt Speaker	-$25.00
Miscellaneous Option:		
B113	Ignition Sense Cable	N/C

Dual Control Head Option:
Capability to control the radio from two locations within the vehicle, typically the front and the rear. The REAR control head in a dual control configuration is NOT compatible with the B109 Handset. The front speaker shipping with the dual control head is a 7.5 watt water resistant speaker and the rear speaker is a 10 watt water resistant amplified speaker. The only cable available with the dual control head is a 40 Ft. Y-cable.

B800	Dual Control Head Capability	$975.00

SUGGESTED RETAIL

MCS2000™ Mobile Series
Remote Mount - Conventional Radio Systems
Options / Accessories

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
Antenna Options:		
B775	VHF 1/4 Wave Roof Top Antenna, 144-150.8 MHz	N/C
B776	VHF 1/4 Wave Roof Top Antenna, 150.8-162 MHz	N/C
B777	VHF 1/4 Wave Roof Top Antenna, 162-174 MHz	N/C
B123	VHF 3dB Roof Top Antenna, 136-174 MHz (3.4 MHz Bandwidth)	$30.00
G488	UHF 1/4 Wave Roof Top Antenna, 403-430 MHz	N/C
G489	UHF 1/4 Wave Roof Top Antenna, 450-470 MHz	N/C
G491	UHF 3.5dB Roof Top Antenna, 406-420 MHz	$50.00
G492	UHF 3.5dB Roof Top Antenna, 450-470 MHz	$50.00
G325	Omit Antenna	N/C
Warranty Options:		
G400	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$34.00
G24	Express Service Plus Plan (ESP) 2 Year - Provides for 2 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$67.00

ACCESSORIES:

Microphones:		
HMN4069	Standard White Palm Microphone	$82.50
HMN4072	"Classic" White Palm Microphone	$82.50
NMN6210	3 x 4 Button Keypad Microphone (includes three additional programmable buttons)	$248.00
GMN6147	Noise Cancelling Microphone (includes three additional programmable buttons)	$70.50
HMN1085	Handset (requires software version 3.11 or greater)	$231.00
Speakers:		
HSN4038	External 7.5 Watt Water Resistant Remote Mount Speaker	$60.50
HSN4039	External 13 Watt Water Resistant Remote Mount Speaker	$71.50
HKN6127	Speaker Adapter Cable - required to connect a dash mount MSC2000 mobile to the HSN4038 & HSN4039 speakers to provide backward compatibility with any remote mount Spectra speaker.	$5.75
Miscellaneous Accessories:		
GLN7280	Emergency Pushbutton	$44.00
HLN6372	Key Lock Mounting	$44.00
HKN6128	Ignition Switch Cable	$15.75
Second Microphone Adapter Cable - Allow a second mic to be added via mobile accessory connector (requires also ordering a second PTT microphone HMN4072 or HMN4069)		
HKN6129	17 Ft. Adapter Cable for Second Microphone	$18.75
HKN6130	40 Ft. Adapter Cable for Second Microphone	$44.00
Power Cables:		
HKN6110	20 Ft. High Power Cable	$22.75

SUGGESTED RETAIL

MCS2000™ Mobile Series
Remote Mount - Conventional Radio Systems Accessories

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
Control Head Cables:		
HKN6111	10 Ft. Control Head Cable	$66.00
HKN6112	17 Ft. Control Head Cable	$71.50
HKN6113	22 Ft. Control Head Cable	$93.50
Dual Control Heads:		
This retrofit kits allow the conversion of a MCS2000 remote mount mobile to a dual control head. The conversion requires the installation of the 40 Ft. Y-cable, which is included in the dual control head kit, along with the installation of the rear control head and rear speaker. The rear speaker is a 10 watt, water resistant, amplified speaker.		
H1698	Model II Dual Control Head	$1,024.00
Antennas:		
HAD4008	VHF 1/4 Wave Roof Mount Antenna, 150.8-162 MHz	$19.50
HAD4009	VHF 1/4 Wave Roof Mount Antenna, 162-174 MHz	$19.50
RAD4010ARB	VHF 3dB Gain Antenna, 136-174 MHz - 3.4 MHz Bandwidth	$58.50
HAE4002	UHF 1/4 Wave Roof Mount Antenna, 403-430 MHz	$20.00
HAE4003	UHF 1/4 Wave Roof Mount Antenna, 450-470 MHz	$20.00
Siren Configurations:		
Unitrol Touchmaster TM4 Siren/PA		
CDN6151	Touchmaster TM4 Siren & PA Switching System	$957.00
A microphone must be ordered for use with the Unitrol Touchmaster TM4 Siren/PA:		
CDN6159	Microphone Interface Adapter Box - Connects the MCS2000 mobile to the Siren & PA allowing for the MCS2000 Microphone to be used for Public Address messages. Not for use with 3 Button Keypad Microphone (NMN6210) and Noise Cancelling Microphone (GMN6147).	$402.00
Unitrol Omega Siren/PA Package		
CDN6160	Unitrol Omega 5000 Space Saving Siren & PA Package Includes Omega 5000 Controller, Omega 90 Digital Siren & PA with adjustable power output 58/200 watts and 18 Ft. Interconnect cable for Omega 90 Siren/PA.	$875.00
One of the following microphone accessories must be ordered for use with the Omega 5000 / Omega 8000 Siren/PA:		
CDN6152	Standard Microphone	$88.00
CDN6150	Noise Cancelling Microphone	$164.00
CDN6159	Microphone Interface Adapter Box - Connects the MCS2000 mobile to the Siren & PA allowing for the MCS2000 Microphone to be used for Public Address messages. Not for use with 3 Button Keypad Microphone (NMN6210) and Noise Cancelling Microphone (GMN6147).	$402.00
Siren/Public Address		
For additional information, refer to the MCS2000 Accessories Catalog Sheet.		
Speaker for Siren/Public Address		
TDN6253	Underhood Speaker with Gray Finish	$220.00
Service Accessories:		
RVN4175	MCS2000 Radio Service Software (includes CD-ROM, 3.5" disk & instruction manual)	$293.00
RKN4062	MCS2000 Radio Service Software Programming Cable (RIB to mic connector)	$41.50
RKN4063	FLASH Programming Cable (SmartRIB to accessory connector)	$139.00
RLN1015	SmartRIB	$550.00
RLN4008	Radio Interface Box (RIB) - used for Radio Service Software programming only (for both RSS programming and FLASHport use SmartRIB).	$200.00
0180302E27	120 Volt Power Supply (for use with SmartRIB)	$42.75

ASTRO® Digital XTL™ 1500 Mobile
Trunked Radio Systems
VHF / UHF

All XTL 1500 models include:

- Palm Microphone
- Internal Speaker (Standard)
- Ignition Sense Cable
- 10 Foot Negative Ground Power Cable (3 meters) for Dash Mount
- Mounting Hardware
- One Year Warranty

Notes:

1. All XTL 1500 radios are part of the FLASHport® program and ship standard with a FLASH EE Prom, which allows for feature and system upgrades.

2. Project 25 (P25) / Secure is only available through Above the Pricebook (APB)

Ordering Requirements:

1. Order the XTL 1500 Portable as the main line item.

2. A System Software Package (G809 or G967) MUST be ordered for each radio unit ordered.

OPERATING MODES

Capable of operation in four different voice communication modes:

- **ANALOG Conventional and 3600 Baud Trunking ENHANCED (G809)**
- **ANALOG Conventional and 3600 Baud Trunking (G967)**

The mode of operation is programmed on a channel-by-channel basis. The XTL 1500 is capable of transmitting clear analog voice or clear (unencrypted) ASTRO digital voice, depending on the channel programming. XTL 1500 radio functions include ASTRO Digital signaling and digital coding.

CHANNEL SPACING

There are no maximum frequency separation conditions that must be adhered to on the XTL 1500 Mobile Radio Series. Separation of frequencies can be as wide as the allowable sub-band per radio model with no degradation of any performance specifications. If an incorrect antenna is used, degraded performance may be experienced.

ASTRO® Digital XTL™ 1500 Mobile
Trunked Radio Systems
VHF / UHF

ORDERING REQUIREMENTS

1. The main model number consists of the mobile transceiver or “brick” for the frequency band and power level, control head hardware, control head software, dash mount capability, mounting hardware, power cable, ignition sense cable, and microphone.
2. The XTL 1500 radio also includes an internal speaker.
3. Any additional accessories that are required can be ordered as options.
4. A software enhanced version of each system software package can be ordered as an option if customers require any of the capacity and feature capabilities described below:

Enhancements to an ANALOG system include: 255 channels, 16 trunked systems, 16 trunked personalities, 20 call lists, 25 call list members, and 20 scan lists. Note: This enhancement package does NOT include ADP or Data capability.

Radio Features:

Software features supported by "SmartZone® System Packages"	
	ANALOG Conventional and 3600 BAUD Trunking G809
RADIO WIDE FEATURES	
48 Modes / Channels	Yes
Analog or Digital Operation	No
12.5/20/25 kHz Programmable Channels	Yes
Secure Capable *ADP supported when Software Enhancement Package is ordered (see corresponding matrix below).	No*
One Touch Operation	Yes
Radio Wide Transmit Inhibit	Yes
Time Out Timer	Yes
FLASHport	Yes
ANALOG CONVENTIONAL FEATURES	
CSQ/PL/DPL	Yes
Dual Priority Channel Scan	Yes
Repeater / Talkaround Operation	Yes
Scan (Auto, Pre-programmed)	Yes
Monitor	Yes
DTMF Tone Generation	Yes
MDC PTT ID (Encode / Decode)	Encode
MDC Selective Radio Inhibit (Decode)	Yes
MDC Call Alert (Encode / Decode)	Yes
MDC Radio Check (Decode)	Yes
MDC Voice Selective Call (Encode / Decode)	Yes
MDC Remote Monitor	N/A
MDC Call Lists (Call Alert / Selective Call)	Yes
MDC Emergency Call (Encode / Decode)	Yes
MDC Emergency PTT ID (Encode)	Encode
MDC Emergency Alarm (Encode)	Yes
MDC Select Emergency	Yes
MDC Status / Message (Encode)	Yes

ASTRO® Digital XTL™ 1500 Mobile
Trunked Radio Systems
VHF / UHF

Software Features:

DIGITAL CONVENTIONAL SIGNALING FEATURES Features when used in the ASTRO Digital CAI Mode	
	ANALOG Conventional and 3600 BAUD Trunking G809
Unaddressed Voice Call	N/A
Talk Group Call	N/A
Group Call Alert™	N/A
Talk Group Identification (TGID)	N/A
Selective Call (Individual Voice Call)	N/A
Selective Call Decode (Individual Voice Call)	N/A
PTT ID (Individual Identification)	N/A
Call Alert Encode / Decode	N/A
Emergency Alarm with Channel Revert & Acknowledge	N/A
Telephone Interconnect Unlimited (Decode)	N/A
Unlimited	N/A
Selective Radio Inhibit	N/A
Radio Check	N/A
Status / Message	N/A
Adaptive Power Control	N/A
Smart PTT	N/A
SmartZone Omnilink	N/A

TRUNKING TYPE II ONLY FEATURES Features when used in the ASTRO Digital CAI Mode	
	ANALOG Conventional and 3600 BAUD Trunking G809
4 Trunked Systems (Maximum)	Yes
Talkgroup Calls	Yes
PTT ID	No
Call Alert Encode / Decode	Yes
Dual Mode Scan	Yes
Failsoft by Talkgroup	Yes
Telephone Interconnect Unlimited (Decode)	Yes
System Wide Call (Receive Only)	Yes
Selective Radio Inhibit	Yes
Priority Monitor Scan	No
Dynamic Regrouping	Yes
Status / Message (No DEK)	Yes
Dispatcher Interrupt	No
Private / Enhanced Conversation Encode / Decode	Yes
Radio Trace	Yes
Reprogram Request	Yes
SmartZone Automatic Site Registration	Yes
SmartZone RSSI Operation	Yes
SmartZone Busy Override	No
SmartZone Preferred Site	Yes
SmartZone Forced Site Search	Yes
SmartZone Site Lock/Unlock	Yes
SmartZone Adjacent Control Channel OSW	Yes
Emergency Alarm Call Receive Indication	Yes

Software Features with Enhanced Package:

"ADDITIONAL" FEATURES / CAPABILITIES SUPPORTED WITH SOFTWARE ENHANCEMENT PACKAGE	
	ANALOG Conventional and 3600 BAUD Trunking Enhanced G967
255 Channels	Yes
16 Trunked Systems	Yes
16 Trunked Personalities	Yes
20 Call Lists	Yes
25 Call List Members	Yes
20 Scan Lists	Yes
ADP - supported for 3600 Digital Trunking systems but in the Digital Conventional Mode ONLY.	No
Data	No

ASTRO® Digital XTL™ 1500 Mobile

Trunked Radio Systems

VHF / UHF - MODELS / OPTIONS

BAND SPLIT	BAND	CHANNEL	WATTS	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
136-174 MHz	VHF	48	10-50W	M28KSS9PW1 N	$1,600.00
380-470 MHz	UHF	48	10-40W	M28QSS9PW1_N	$1,600.00
450-520 MHz	UHF	48	10-45W	M28SSS9PW1_N	$1,600.00

FCC INFORMATION: AZ492FT3805 (VHF) / AZ492FT4862 (UHF)

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
Options:		
Software Package Option:	**EACH MODEL MUST BE ORDERED WITH THE SOFTWARE PACKAGE OPTION**	
G809	ANALOG Conventional and 3600 Baud Trunking	$230.00
G967	ANALOG Conventional and 3600 Baud Trunking Enhanced	$430.00
Alarm Options:		
W116	External Alarm Relays and Cable (for either Horn or Lights - NOT both)	$75.00
Emergency Options:		
W470	External Emergency Footswitch (HLN5113)	$56.00
W688	External Emergency Pushbutton (HLN5131)	$56.00
Control Station Options:		
G91	Control Station Power Supply (HPN4007)	$269.00
G798	Control Station Base Mount	$48.00
Microphone Options:		
W382	Control Station Microphone (HMN1050)	$169.00
W20	Keypad Microphone - GCAI	$180.00
Speaker Options:		
B18	Auxiliary 5W Speaker (HSN4031)	$60.00
Test Result Option:		
G799	Printed Test Results	N/C
Miscellaneous Option:		
W81	Key Lock Mount	$33.00
B90	Omit All Accessories	-$100.00

Options continued on next page.

ASTRO® Digital XTL™ 1500 Mobile

Trunked Radio Systems

VHF / UHF OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
Antenna Options:		
VHF		
G296	VHF 136-144 MHz, 1/4 Wave Roof Mount Antenna (HAE4006)	$13.50
G297	VHF 144-150.8 MHz, 1/4 Wave Roof Mount Antenna (HAD4007)	$13.50
G299	VHF 150.8-162 MHz, 1/4 Wave Roof Mount Antenna (HAD4008)	$19.50
G300	VHF 162-174 MHz, 1/4 Wave Roof Mount Antenna (HAD4009)	$13.50
G89	No Antenna Required	$0.00
UHF		
G425	UHF 380-433 MHz, 1/4 Wave Whip Antenna (HAE6012)	$25.00
G426	UHF 450-470 MHz, 1/4 Wave Whip Antenna (HAE4003)	$25.00
G490	UHF 470-512 MHz, 1/4 Wave Antenna (HAE4004)	$14.00
G493	UHF 470-494 MHz, 3.5dB Gain Roof Mount Antenna (HAE4012)	$33.00
G494	UHF 494-512 MHz, 3.5dB Gain Roof Mount Antenna (HAE4013)	$33.00
G427	UHF 380-433 MHz, 3.5dB Gain Antenna (HAE6010)	$55.00
G428	UHF 445-470 MHz, 3.5dB Gain Roof Mount Antenna (HAE4011)	$50.00
G429	UHF 380-433 MHz, 5dB Gain Antenna (HAE6011)	$62.00
G430	UHF 450-470 MHz, 5dB Gain Roof Antenna (RAE4014ARB)	$58.00
G486	UHF 494-512 MHz, 5dB Gain Antenna (RAE4016ARB)	$58.00
G431	UHF 380-470 MHz, 2dB Wideband Gain Antenna (HAE6013)	$58.00
G89	No Antenna Required	$0.00
Warranty Options:		
G400	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$53.00
G24	Express Service Plus Plan (ESP) 2 Year - Provides for 2 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$102.00

SUGGESTED RETAIL

ASTRO® Digital XTL™ 1500 Mobile

VHF / UHF

ACCESSORIES

XTL 1500™	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
	Microphones:		
X	HMN4079	Keypad Microphone	$320.00
	Cables:		
X	HKN4191	Mobile Power Cable	$18.00
X	HKN6160	Cable Kit 6' Data	$50.00
X	HKN6183	RS-232 Programming Cable	$66.35
	Miscellaneous:		
X	HLN5113	Emergency Footswitch	$61.75
	Speakers		
X	HSN4038	External 7.5 Watt Water Resistant Remote Mount Speaker (XTL 1500 - requires HKN6127 Adapter Cable for Dash Mount Compatibility)	$60.50
	Mounting Accessories:		
X	HLN6372	Key Lock Mounting	$44.00
X	HLN6925	Control Station Mount	$95.00
	Antennas:		
X	HAD4006	VHF 1/4 Wave Roof Mount Antenna, 136-144 MHz	$19.50
X	HAD4007	VHF 1/4 Wave Roof Mount Antenna, 144-150.8 MHz	$19.50
X	HAD4008	VHF 1/4 Wave Roof Mount Antenna, 150.8-162 MHz	$19.50
X	HAD4009	VHF 1/4 Wave Roof Mount Antenna, 162-174 MHz	$19.50
X	RAD4010ARB	VHF 3dB Gain Roof Mount Antenna, 136-174 MHz - 3.4 MHz Bandwidth	$58.50
X	HAE6012	UHF 1/4 Wave Whip Antenna, 380-433 MHz	$23.00
X	HAE4003	UHF 1/4 Wave Roof Mount Antenna, 450-470 MHz	$20.00
X	HAE4004	UHF 1/4 Wave Roof Mount Antenna, 470-512 MHz	$20.00
X	HAE6013	UHF 2dB Wideband Gain Antenna 380-470 MHz	$55.00
X	HAE4012	UHF 3.5dB Gain Roof Mount Antenna, 470-494 MHz	$68.00
X	HAE4013	UHF 3.5dB Gain Roof Mount Antenna, 494-512 MHz	$72.00
X	HAE4011	UHF 3.5dB Gain Roof Mount Antenna, 445-470 MHz	$68.00
X	HAE6010	UHF 3.5dB Gain Antenna, 380-433 MHz	$63.00
X	HAE6011	UHF 5dB Gain Antenna, 380-433 MHz	$63.00
X	RAE4016ARB	UHF 5dB Gain Antenna, 494-512 MHz	$67.75
X	RAE4014ARB	UHF 5dB Gain Roof Antenna, 445-470 MHz	$73.00
	Software:		
X	RVN4185	ASTRO 25 Mobile Software CD, Version R01.00.00 - 3 Year Subscription	$265.00
X	RVN4186	ASTRO 25 Portable/Mobile Software 2 CD Set - 3 Year Subscription - (RVN4185 & RVN4181) - requires Mobile Cable HKN6183	$375.00

Section 1.1-Mobile Antennas-Page 1

Date 1/9/06

SPECTRUM™ LOW BAND/HIGH BAND MOBILE ANTENNAS

SUGGESTED RETAIL

Manufactured By Motorola

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE

SPECTRUM™ LOW BAND ANTENNAS - BASE LOADED

Frequency Range: 30-50 MHz | Gain: Unity | VSWR: Less than 1.5:1
Power: 100 Watts Max. | Cable: RG58A/U | Impedance: 50 Ohms, nominal
NOTE: All mounts are with RG58 A/U Coaxial cable

PL259 Connector:

RAB4004ARA	Roof Mount, Standard Duty, 42-50 MHz	$47.00
RAB4012ARA	Roof Mount, Rugged Duty, 30-36 MHz	$55.00
RAB4013ARA	Roof Mount, Rugged Duty, 36-42 MHz	$55.00
RAB4014ARA	Roof Mount, Rugged Duty, 42-50 MHz	$55.00
RAB4004	Antenna Only (Less cable & install hardware) - Standard Duty, 42-50 MHz	$37.00
RAB4012	Antenna Only (Less cable & install hardware) - Rugged Duty, 30-36 MHz	$45.00
RAB4013	Antenna Only (Less cable & install hardware) - Rugged Duty, 36-42 MHz	$45.00
RAB4014	Antenna Only (Less cable & install hardware) - Rugged Duty, 42-50 MHz	$45.00

SWIVEL BASE WITH SPRING - QUARTER WAVE

Frequency Range: 25-54 MHz | Gain: Unity | VSWR: Less than 1.5:1
Power: 250 Watts Max. | Cable: RG58A/U | Impedance: 50 Ohms, nominal
NOTE: All mounts are with RG58 A/U Coaxial cable

TAB1002	Stainless Steel, 8 Ft. Cable, 30-54 MHz	$165.00
TAB1012	Stainless Steel, 20 Ft. Cable, 30-54 MHz	$170.00

SPECTRUM™ ACCESSORIES

THESE ANTENNAS CANNOT BE USED FOR BROADBAND APPLICATIONS.

PL259 Connector:

0180352A03	Roof Mount, PL259, 17 Ft. Cable	$17.25
0180355A85	Trunk Lip Mount, PL259, 17 Ft. Cable	$29.75

Mini-UHF Connector Connector:

0180355A80	Magnet Mount, Mini UHF, 12 Ft. Cable	$28.50
0180351A98	Roof Mount, Mini UHF, 17 Ft. Cable	$11.50
0180355A88	Trunk Lip Mount, Mini UHF, 17 Ft. Cable	$18.50

Miscellaneous:

0180358A04	Spring	$8.00
4780385B68	Whip	$8.75

SPECTRUM™ HIGH BAND ANTENNAS - BASE LOADED 3dB

Frequency Range: 136-174 MHz | VSWR: Less than 1.5:1 | Gain: 3dB
Power: 150 Watts Max. | Impedance: 50 Ohms, nominal | Cable: RG58A/U

PL259 Connector:

RAD4010ARA	Roof Mount, Rugged Duty, 136-174 MHz	$58.50
RAD4010AMA	Magnet Mount, Rugged Duty, 136-174 MHz	$66.50

Mini-UHF Connector:

RAD4000ARB	Roof Mount, Standard Duty, 136-174 MHz	$50.50
RAD4010ARB	Roof Mount, Rugged Duty, 136-174 MHz	$58.50
RAD4000AMB	Magnet Mount, Standard Duty, 136-174 MHz	$58.50
RAD4010AMB	Magnet Mount, Rugged Duty, 136-174 MHz	$66.50
RAD4000	Antenna Only (less cable & install hardware) - Standard Duty, 136-174 MHz	$43.50
RAD4010	Antenna Only (less cable & install hardware) - Rugged Duty, 136-174 MHz	$50.50

Section 1.1-Mobile Antennas-Page 2

Date 1/9/06

SPECTRUM™ HIGH BAND / UHF BAND MOBILE ANTENNAS

Manufactured By Motorola

SUGGESTED RETAIL

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE

HIGH BAND QUARTER WAVE ANTENNAS

Frequency Range: 132-174 MHz | VSWR: Less than 1.5:1 | Gain: Unity
Power: 150 Watts Max. | Impedance: 50 Ohms, nominal

PL259 Connector:

TAD6112	Roof Mount, 144-152 MHz	$19.50
TAD6113	Roof Mount, 152-162 MHz	$19.50
TAD6114	Roof Mount, 162-174 MHz	$19.50

Mini-UHF Connector:

HAD4007	Roof Mount, 144-152 MHz	$19.50
HAD4008	Roof Mount, 152-162 MHz	$19.50
HAD4009	Roof Mount, 162-174 MHz	$19.50
0180352A06	Antenna Only, 144-152 MHz	$7.00
0180352A07	Antenna Only, 152-162 MHz	$7.00
0180352A08	Antenna Only, 162-174 MHz	$7.00

HIGH BAND WIDE SPACE ANTENNAS

Frequency Range: 150-174 MHz | VSWR: Less than 1.5:1 | Gain: Unity
Power: 150 Watts Max. | Impedance: 50 Ohms, nominal | Cable: RG58A/U

PL259 Connector:

TAD6290	Roof Mount, PL259, 150-174 MHz	$56.75

SPECTRUM™ ACCESSORIES

PL259 Connector:

0180352A03	Roof Mount, PL259, 17 Ft. Cable	$17.25
0180355A85	Trunk Lip Mount, PL259, 17 Ft. Cable	$29.75

Mini-UHF Connector:

0180355A80	Magnet Mount, Mini UHF, 12 Ft. Cable	$28.50
0180351A98	Roof Mount, Mini UHF, 17 Ft. Cable	$11.50
0180355A88	Trunk Lip Mount, Mini UHF, 17 Ft. Cable	$18.50

Miscellaneous:

0180358A04	Spring	$8.00
4780385B68	Whip	$8.75

SPECTRUM™ MOBILE ANTENNAS - BASE LOADED 5dB

Frequency Range: 406-512 MHz | VSWR: Less than 1.5:1 | Gain: 5dB
Power: 150 Watts Max. | Impedance: 50 Ohms, nominal | Cable: RG58A/U

PL259 Connector:

RAE4014ARA	Roof Mount, Rugged Duty, 445-470 MHz	$73.00
RAE4004	Antenna Only (less cable & install hardware) - Standard Duty, 445-470 MHz	$49.00
RAE4014	Antenna Only (less cable & install hardware) - Rugged Duty, 445-470 MHz	$65.00

Mini-UHF Connector:

RAE4004ARB	Roof Mount, Standard Duty, 445-470 MHz	$57.00
RAE4014ARB	Roof Mount, Rugged Duty, 445-470 MHz	$73.00
RAE4004AMB	Magnet Mount, Standard Duty, 445-470 MHz	$57.00
RAE4004	Antenna Only (less cable & install hardware) - Standard Duty, 445-470 MHz	$49.00
RAE4014	Antenna Only (less cable & install hardware) - Rugged Duty, 445-470 MHz	$65.00

Section 1.1-Mobile Antennas-Page 3

Date 1/9/06

SPECTRUM™
UHF BAND/800/900 MHz BANDS
MOBILE ANTENNAS

SUGGESTED RETAIL

Manufactured By Motorola

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE

UHF 3.5dB GAIN

Frequency Range: 406-512 MHz VSWR: Less than 2:1 Gain: 3.5dB
Power: 150 Watts Max. Impedance: 50 Ohms, nominal

PL259 Connector:

TAE6072	Roof Mount, 445-470 MHz	$95.00

Mini-UHF Connector:

HAE4011	Roof Mount, 445-470 MHz	$68.00

UHF QUARTER-WAVE

NOTE: Frequency Range, Power, Impedance - Same as UHF 3.5dB GAIN above. Gain: Unity Impedance: 50 Ohms, nominal

PL259 Connector:

TAE6052	Roof Mount, 450-470 MHz	$20.00
TAE6054	Roof Mount, 494-512 MHz	$20.00
RRA5554	Magnetic Mount, 450-470 MHz	$25.00
0180352A09	Antenna Only (less cable & install hardware), 406-420 MHz	$6.00
0180352A10	Antenna Only (less cable & install hardware), 445-470 MHz	$6.00
0180352A11	Antenna Only (less cable & install hardware), 470-494 MHz	$6.00

806-900 MHz 3dB GAIN ANTENNA

Frequency Range: 806-900 MHz VSWR: Less than 1.5:1 Gain: 3dB
100 Watts Max. Impedance: 50 Ohms, nominal

PL259 Connector:

RRA4910	Roof Mount with RG58A/U-Stainless Steel	$38.00

Mini-U Connector:

RRA4914	Roof Mount, with RG58A/U-Stainless Steel	$38.00
RRA4990	Roof Mount, with RG58A/U-Black Chrome	$33.00
RRA4983	Roof Mount, with Low Loss-Stainless Steel	$49.00
RRA4986	Roof Mount, with Low Loss-Black Chrome	$42.00
RRA4921	Magnet Mount, with RG58A/U-Stainless Steel	$47.00
RRA4976	Magnet Mount, with RG58A/U-Black Chrome	$42.00
RRA4923	Trunk Lip Mount, with RG58A/U-Stainless Steel	$47.00

TNC Connector:

RRA4915	Roof Mount, with RG58A/U-Stainless Steel	$38.00
RRA4917	Roof Mount, with Low Loss-Stainless Steel	$47.00

N Connector:

RRA4984	Roof Mount, with RG58A/U-Stainless Steel	$38.00
0180372A90	Antenna Only-Stainless Steel	$11.75
0180372A78	Antenna Only-Black Chrome	$19.50

Section 1.1-Mobile Antennas-Page 4

Date 1/9/06

SUGGESTED RETAIL

SPECTRUM™ 800 & 900 MHz MOBILE ANTENNAS & SPECIAL APPLICATIONS & MINI MAG™ Manufactured By Motorola

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE

800-900 MHz QUARTER-WAVE ANTENNAS

Frequency Range: 806-900 MHz | VSWR: Less than 1.5:1 | Gain: Unity
Power: 100 Watts Max | Impedance: 50 Ohms, nominal

PL259 Connector:

TAF6041	Roof Mount, 14 Ft. Low Loss Cable, 806-900 MHz	$28.75

TNC Connector:

RRA4918	Roof Mount, 14 Ft. Low Loss Cable, 806-900 MHz	$38.50

Mini-U Connector:

HAF4002	Roof Mount, 14 Ft. RG58A/U, 806-900 MHz	$14.00
0180351A90	Antenna Only, 806-900 MHz with Chrome Nut	$4.50

890-960 MHz 3dB GAIN ANTENNAS

Frequency Range: 890-960 MHz | VSWR: Less than 2:1 | Gain: 3dB
Power: 100 Watts Max | Impedance: 50 Ohms, nominal

RRA4935	Roof Mount, Mini-UHF, RG58A/U, 890-960 MHz	$30.00
RRA4936	Magnet Mount, Mini-UHF, RG58A/U, 890-960 MHz	$53.75

TRANSIT DOME STYLE ANTENNAS - LOW PROFILE

Frequency Range: 148-174, 450-512, 806-866 MHz | Band Width: .5 MHz @ 1.5:1 | Gain: Unity
Power: 150 Watts Max. High Band, UHF | Impedance: 50 Ohms, nominal
100 Watts Max. 800 MHz

RRA4908	Antenna and Cable Kit, 806-866 MHz	$152.00
RRA4905	Antenna Only, 806-866 MHz	$56.00
RRA4738	Antenna and Cable Kit, 450-470 MHz	$96.00

RAILROAD ANTENNAS

Frequency Range: 152-174 MHz | VSWR: Less than 1.5:1 | Gain: Unity
Power: 150 Watts Max | Impedance: 50 Ohms, nominal

TAD6010	Antenna and Cable Kit, 158-162 MHz	$290.00

CONNECTORS

2882021G01	PL259 Connector	$4.10
0980348B61	TNC Connector	$8.55

MINI MAG™

- Factory tuned & ready to install
- Requires no holes drilled
- Magnetic Mount
- Environmentally tested for temperature, humidity & corrosion
- For conventional & trunked 800 & 900 MHz mobile radios
- Two Year Warranty

Electrical Specifications:

Frequency Ranges : 806-860 MHz
Bandwidth: 60 MHz
Gain: 3dB
Power: 15 Watts Maximum (Intermittent Duty)
VSWR: 1.2:1
Impedance: 50 Ohms nominal

Mechanical Specifications:

Material: Elastomer
Connector: Choice of Mini-UHF, SMA, BNC or TNC
Height: 8.3"
Weight: 5.5 oz.
Base Diameter: 2.3"

Mini-U Connector:

RAF4136AMM	Black Antenna, 806-860 MHz	$47.00

Section 2.0 - Fixed Stations - Page 1

Date 1/9/06

SUGGESTED RETAIL

Zetron Model 48-MAX
Interconnected Repeater Panel
Repeater Stations Only

Zetron Model 48 MAX model includes:

The Model 48-MAX can recognize and provide service up to 99 individual radio users based on their unique DTMF ANI codes and can further subdivide users into dispatch work groups using CTCSS tones and DCS codes. For use on repeater stations ONLY. Pre-wired station cables available for R1225 and MTR2000 repeaters. Other options include: Voice Prompts (maximum of 9 user recorded messages) and Dial Click Decode.

Model 48-MAX Features:

- Two End-to-End Telephone Inputs with Automatic Line Selection for Connection to Public Subscriber Lines or PABX Extensions
- One Local Telephone Input for Testing and for Connection to a DID Converter
- Radio to Telephone Access Based on DTMF ANI Only or Combined DTMF ANI Plus CTCSS/DCS
- Billing Records per ANI
- Accumulated Airtime
- Radio Call Forwarding
- One RS-232 Port
- Internal Modem
- 99 Autodials
- Call Alert Beeps
- Four Different Ringout Sounds
- Enhanced Toll Restriction
- PC-Programmable Database
- Full Range of Conversation Timers with Penalties
- 99 DTMF User Identities (ANI)
- 50 CTCSS, 104 DCS
- 2-Tone, 5-Tone, DTMF Selective Calling
- Scheduled Telco Access to Prevent Interconnect During Certain Hours
- 19" Rack Mountable, One (1) RU (Rack Unit)
- User / Install Manual
- EMC Approval, CE Conformity

MODEL	DESCRIPTION	MANUF.SUGG. RETAIL PRICE
L3251	Zetron Model 48-Max Interconnect Repeater Panel	$1,995

Options:		
TT04024	Voice Prompts - for up to nine (9) owner-recordable messages	$168.00
TT04027	Dial Click Decoder - to support rotary telephone systems	$134.00
TT04025	Station Message Detail Report	$168.00
TT04033	600 Ohm Balanced Audio	$198.00
TT04034	Relays for PTT and Auxiliary Out	$102.00
TT04035	Rack Extender Brackets	$26.00
TT04037	Lightening Surge Arrestor	$242.00
TT04036	Programming Kit - Cable and Z-Term Software	$65.00
TT04028	Generic Radio Interface Cable	$45.00
TT04029	Cable for GR300 & GR500	$65.00
TT04030	Cable for GR1225	$65.00
TT04031	Cable for MTR2000	$285.00

MTR2000™
Analog Conventional
Base Stations & Repeaters
General Information

SUGGESTED RETAIL

GENERAL INFORMATION:

MTR2000 Literature: Product Planner (R4-2-97), VHF Catalog Sheet (MD-MTR-001), UHF Catalog Sheet (MD-MTR-002).

Station configuration depends upon band power selection. MTR2000 is available in both the VHF band and UHF band with power output ranges of 30, 40, and 100 watts.

The radio provides wireline control. It is capable of up to 32 transmit and receive frequencies; however, remote control access is limited to 14 channel operation. It is also capable of coded squelch (PL or DPL), variable time-out-timer, push to talk priority, repeater drop out delay. Base Station ID is included as a standard feature. These features ship in a preset condition but may be altered through the use of Radio Service Software. Base Stations may require an antenna relay, option X371. If the station is ordered as a repeater, it will support either two antenna connectors, or one connector if a duplex filtering option is ordered.

For VHF and UHF base stations, transmit and receive frequencies can be separated by the full frequency sub-band selected. If station is ordered with the high performance preselector, X265, receive frequencies can be separated up to 4.0 MHz without degradation of specifications. For repeater operation, transmit and receive frequencies can be separated by as little as 1.5 MHz for VHF and 5 MHz for UHF with the addition of a duplexer, X182. The duplexer will be factory tuned for single frequency operation only.

ORDERING REQUIREMENTS:

1. All orders must list the Radio Model as a Main line item (T5766).
2. You must select a power level by option. The station configuration will be determined by this option. Specify one transmit & one receive frequency for factory tuning. For VHF band (132 - 174 MHz) only, with conventional operation, the radio will accept any frequency divisible by 2.5 / 5.0 / 6.25 kHz. For VHF band in the trunking mode of operation, the frequencies must be divisible by 5.0 or 6.25 kHz. For other frequency bands, in either mode, the frequency must be divisible by 5.0 or 6.25 kHz.
3. If the transmit frequency is between 150.0 MHz and 154.0 MHz, the upper band (150-174 MHz) transmitter will be supplied. If 132-154 MHz transmit frequencies are required, and the frequency is in the overlap area, order option X325. If the receive frequency is between 150.0 MHz and 154.0 MHz, the upper band (150-174 MHz) receiver will be supplied when the high performance preselector is ordered. If 132-154 MHz receive frequencies are required, and the frequency is in the overlap area, order option X326.
4. You must select a Conventional Operation System Software Option (X597).
5. You must specify either Base Station Operation (X622) or Repeater Operation (X580). If the repeater operation is ordered, the transmit receive frequencies cannot be equal. NOTE: Base station operation does not include an antenna relay. If antenna relay is required, order option X371.
6. ALL STATIONS SHIP UNCONFIGURED AND MUST BE FIELD PROGRAMMED with the latest version of Radio Service Software (RSS) to alter the Communication Channel functions and to input the Transmit and Receive Frequencies within the specified range selected. NOTE: RSS REQUIRES MICROSOFT WINDOWS 3.1 OR WINDOWS '95 FOR OPERATION.
7. MTR2000 stations ship in a specially designed shipping box. You must order a cabinet or rack option if you require an external double circulator to be mounted at the factory. To rack mount the station, order appropriate rack configuration from MTR2000 rack options. To rack mount a station in an existing or customer supplied rack, order Field Installed Rack Mount Configuration hardware (CLN6679-RPSD).
8. Stand alone stations will ship in shipping box using carrier specified on order. Stand alone stations can be ordered with a duplexer. All stations ordered in a cabinet or rack ship via electronic van unless otherwise specified. MTR2000 stations with Rack Mount options cannot be shipped via Air Freight; specify surface transportation or order in a cabinet.
9. See product catalog sheets for FCC information.

MTR2000
Analog Conventional
Base Stations & Repeaters
VHF 136 - 174 MHz / UHF 403-470 MHz

SUGGESTED RETAIL

BASIC PACKAGE INCLUDES:

- **MTR2000 stations are cabinet and rack-mountable and ship standard in a shipping box**
- **MTR2000 utilizes a switching power supply (85-264VAC, 47-63 Hz)**
- **Tone Remote Control Only**
- **4 Wire Audio**
- **1.5 PPM Frequency Stability (VHF/UHF)**
- **Single Circulator (100 Watts)**
- **Double Internal Circulator (30 Watts)**
- **32 Channel Operation (Tone Remote Control Access Limited to 14 Channels)**
- **Type "N" Antenna Connectors for TX/RX**
- **Continuous Duty Cycle Operation**
- **Programmable Channel Selection (12.5/20/25 kHz)**
- **Installation and Operational Manual**

MODEL	DESCRIPTION	MANUF.SUGG. RETAIL PRICE
T5766	MTR2000 Station & Repeater Model	$1,020

NOTE: MUST ORDER ONE EACH OF THE FOLLOWING OPTIONS BELOW:

- **Power Option**
- **System Software Option**
- **Station Operation Option**

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
• SELECT ONE VHF OR UHF POWER OPTION:		
X345	132-174 MHz 30 - 1 Watt (Includes double internal circulator)	$1,515.00
X330	132-174 MHz 40 - 1 Watt	$1,190.00
X530	132-154 MHz (Range 1) or 150-174 MHz (Range 2) 100 - 25 Watts (includes single internal circulator)	$1,785.00
X341	403-470 MHz 30 - 2 Watts (Includes double internal circulator)	$2,895.00
X340	403-470 MHz 40 - 2 Watts	$2,575.00
X540	403-435 MHz or 435-470 MHz 100 - 25 Watts (Incl's single internal circulator)	$3,175.00
• SELECT SYSTEM SOFTWARE OPTION:		
System Software Option		
This option is required for each base station or repeater that is ordered. Does not include RSS.		
X597	Conventional Operation	$2,975.00
• SELECT ONE STATION OPERATION OPTION:		
Station Operation Option - SELECT ONE		
X580	Repeater Operation (Tx = Rx)	N/C
X622	Base Station Operation (Does not include Antenna Relay. If required, order option X371.)	N/C

MTR2000
Analog Conventional
Base Stations & Repeaters
OPTIONS

SUGGESTED RETAIL

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
VHF Sub-Band Overlap - Applies to 100W Stations Only:		
X325	TX Frequencies Range I - For overlap frequencies between 150.800-154.000 MHz.	N/C
X326	Rx Frequencies Range I - For use with high performance preselector X265 - For overlap frequencies between 150.800 - 154.000 MHz.	N/C
Primary Voltage:		
X121	DC Only Operation - Required for DC power source operation. 14.2 VDC source at 15 amps for 30 & 40 Watt models and 28.6 VDC @ 15 Amps source for 100W models. NOTE: NEGATIVE GROUND ONLY.	N/C
Battery Reverting Chargers:		
See Section 2.0 - Page 10		
Peripherals:		
X265	High Performance Preselector - Recommended for dense RF site applications. For multiple channel operation the receiver frequency separation cannot be greater than 4.0 MHz. VHF preselector ranges are 132-154 and 150-174 MHz. Order Low Range Descriptor, X326, if frequencies fall into overlap range stated above and the lower range is desired. UHF preselector ranges are 403-433 and 433-470 MHz.	$300.00
X182	Factory Installed Duplexer - Allows a single pair of transmit and receive channels to share a common antenna. Sub-band breaks and Tx to Rx frequency separation is as follows: VHF:132-146, 144-160, 158-174MHz; Tx to Rx > 1.5 MHz. UHF: 403-433, 438-470MHz; Tx to Rx = 5 MHz. If frequencies fall into the VHF overlap ranges stated above and the lower range is desired, order Low Range Descriptor option, X327. NOTE: A duplexer can be ordered without a cabinet or rack.	$1,380.00
X676	External Double Circulator Operation - Sub-band breaks as follows: 132-146, 144-160, 158-174, 403-470 MHz. Order Low Range Descriptor Option, X327, if frequencies fall into VHF overlap ranges stated above and the lower range is desired. Also includes a Low Pass Filter and RF peripheral tray to accommodate the external double circulator. Requires that a cabinet or rack is ordered.	$1,600.00
X327	Low Range Descriptor (Order when frequencies on duplexers or circulators fall into the VHF sub-band overlap and the lower frequency range is required).	N/C
X371	Base Station Antenna Relay (not standard with main model)	$250.00
Remote Control:		
X84	Omit Wireline Remote Control - For stand alone repeater operations.	-$200.00
X269	Spectra-TAC Capability - Not compatible with X84	$150.00

MTR2000
Analog Conventional
Base Stations & Repeaters

SUGGESTED RETAIL

OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
General Options:		
X747	External Reference Capability - Adds external reference cable.	$50.00
C540	System Connector Cable Kit - provides a housing shell to connect to the 96 pin backplane connector, 30 loose pins, 30 of 24 gauge, 2 meter long wires with a pin for header on one end and unterminated at the other end. Allows user to create customized cable depending on application.	$50.00
X233	Wild Card Operation - Provides a utility that allows the user to affect a station's functions by asserting external inputs to the station and/or by monitoring station states. Requires X151 (Auxiliary Input & Output). Also requires System Connector Cable Kit (C540).	$200.00
X151	Auxiliary Input & Output - Provides the hardware and software needed for COR Relay and RA/RT. Requires System Connector Cable Kit (C540).	$600.00
C753	Main Standby Operation - Provides console TRC control, external closure or hot switchover. Requires Auxiliary Input & Output (X151) and System Connector Cable Kit (C540).	$400.00
Cabinet Options: Cabinets apply to MTR2000. Replaces standard shipping box. Allow space for peripherals when determining cabinet size. See Product Planner for Thermal Considerations.		
X52	30" Indoor Cabinet	$360.00
X308	46" Indoor Cabinet	$630.00
X180	60" Indoor Cabinet	$880.00
X968	Slide Rails - Motorola Cabinet - When ordering this option for field install in a cabinet, additional cabinet rails are required. See Product Planner for details.	$100.00
X346	Slide Rails - Non-Motorola Cabinet	$150.00
Rack Options: Replaces standard shipping box. Racks may be stacked to heights equal to an open rack. These stackable racks are recommended for all rack mounted systems going through the CCSI. See Product Planner R4-2-97 for details. Mounting hardware is included.		
X741	30" Modular Rack - 16 Rack Units	$200.00
X742	45" Modular Rack - 24 Rack Units	$225.00
X743	52" Modular Rack - 27 Rack Units	$250.00
Manuals:		
X436	MTR2000 Instruction & Field Service Manual - Provides information to service station to the FRU level.	$50.00
X287	Omit Install and Operational Manual - This option deletes the standard manual included with every station. This option is recommended when multiple stations will be used at the same site and one manual per station is not needed.	-$15.00

MTR2000
Analog Conventional
Base Stations & Repeaters
ACCESSORIES

SUGGESTED RETAIL

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
Kit & Accessories: VHF MTR2000 Field Replaceable Units (FRUs)		

All Field Replacement Units (FRUs) are available through Customer Care and Service Division (RPSD) 1-800-927-2744.

Service Accessories:		
HSN1000	6 Watt Amplified External Speaker	$109.00
0185180U01	Cable for External Speaker	$17.25
GMN6147	Local Test Microphone	$70.50
Radio Service Software (RSS):		
RVN4148	Radio Service Software (includes 3.5" disk & manual) NOTE: RSS requires Microsoft Windows 3.1 or Windows '95 for operation.	$278.00
3082056X02	Cable for Radio Service Software	$50.00

MTR2000

Analog Conventional Receivers
VHF 136 - 174 MHz / UHF 403-470 MHz
General Information

SUGGESTED RETAIL

General Information:

MTR2000 Literature: Product Planner (R4-2-97), VHF Catalog Sheet (MD-MTR-001), UHF Catalog Sheet (MD-MTR-002). The receiver provides wireline control. The receiver is capable of up to 32 receive frequencies, however, remote control access is limited to 14 channel operation. It is also capable of coded squelch (PL or DPL). These features ship in a preset condition but may be altered through the use of Radio Service Software.

For VHF and UHF receivers, receive frequencies can be separated by the full frequency sub-band selected. If receiver is ordered with the high performance preselector, X265, receive frequencies can be separated up to 4.0 MHz without degradation of specifications.

Ordering Requirements:

1. All orders must list the Radio Model as a Main line item (T5769).

2. You must select a frequency band option. Specify one receive frequency for factory tuning. Exact customer frequencies are programmed in the field. For VHF band (132 - 174 MHz) only, with conventional operation, the radio will accept any frequency divisible by 2.5 / 5.0 / 6.25 kHz. For VHF band in the trunking mode of operation, the frequencies must be divisible by 5.0 or 6.25 kHz. For other frequency bands, in either mode, the frequency must be divisible by 5.0 or 6.25 kHz.

3. If the receive frequencies are between 150.0 MHz and 154.0 MHz, the upper band (150-174 MHz) receiver will be supplied when the high performance preselector is ordered. If 132-154 MHz receive frequencies are required and the frequency is in the overlap area, order option X326.

4. You must select a Conventional Operation System Software Option (X597).

5. ALL RECEIVERS SHIP UNCONFIGURED AND MUST BE FIELD PROGRAMMED with the Radio Service Software (RSS) to alter the Communication Channel functions and to input the receive frequency within the specified range selected. Radio Service Software (RSS) is not shipped with the station order from RPSD.
NOTE: RSS REQUIRES MICROSOFT WINDOWS 3.1 OR WINDOWS '95 FOR OPERATION.

6. MTR2000 receivers ship in a specially designed shipping box. To cabinet or rack mount the receiver, order the appropriate option. To rack mount a station in an existing or customer supplied rack, order Field Installed Rack Mount Configuration hardware (CLN6679).

7. Stand alone receivers will ship in shipping box using carrier specified on order. All receivers ordered in a cabinet or rack ship via electronic van unless otherwise specified. MTR2000 stations with Rack Mount options cannot be shipped via Air Freight; specify surface transportation or order in a cabinet.

8. See product catalog sheets for FCC information.

MTR2000

Analog Conventional Receivers

VHF 136 - 174 MHz / UHF 403-470 MHz

BASIC PACKAGE INCLUDES:

- **MTR2000 Receivers are cabinet and rack-mountable and ship standard in a shipping box**
- **MTR2000 utilizes a switching power supply (85-264VAC, 47-63 Hz)**
- **Tone Remote Control Only**
- **32 Channel Operation (Remote Control Access Limited to 14 Channels)**
- **4 Wire Audio**
- **1.5 PPM Frequency Stability (VHF/UHF)**
- **Type "N" Female Antenna Connectors**
- **Installation and Operational Manual**

MODEL	DESCRIPTION	MANUF.SUGG. RETAIL PRICE
T5769	MTR2000 Receiver Model	$800

NOTE: MUST ORDER ONE EACH OF THE FOLLOWING OPTIONS BELOW:

- **Frequency Band Option**
- **System Software Option**

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE

• SELECT ONE FREQUENCY BAND OPTION:

X319	132-174 MHz VHF Receiver	$650.00
X320	403-470 MHz UHF Receiver	$900.00

• SELECT SYSTEM SOFTWARE OPTION:

System Software Option
This option is required for each receiver that is ordered. Does not include RSS.

X597	Conventional Operation	$1,550.00

		MANUF.SUGG.RETAIL PRICE
Options:		
VHF Sub-Band Overlap:		
X326	Rx Frequencies Range I - For use with high performance preselector X265 - For overlap frequencies between 150.800 - 154.000 MHz.	N/C
Primary Voltage:		
X121	DC Only Operation - Required for DC power source operation. 14.2 VDC source at 1.5 amps. NOTE: NEGATIVE GROUND ONLY.	N/C
Battery Reverting Chargers:		

See Section 2.0 - Page 10

Peripherals:		
X265	High Performance Preselector - Recommended for dense RF site applications. For multiple channel operation the receiver frequency separation cannot be greater than 4.0 MHz. VHF preselector ranges are 132-154 & 150-174 MHz. Order Low Range Descriptor, X326, if frequencies fall into overlap range stated above & the lower range is desired. UHF preselector ranges are 403-433 and 433-470 MHz.	$300.00

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Date 1/9/06

SUGGESTED RETAIL

MTR2000
Analog Conventional Receivers
OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
Remote Control :		
X84	Omit Wireline Remote Control - For stand alone repeater operations.	-$200.00
X269	Spectra-TAC Capability - Not compatible with X84	$150.00
General Options:		
X747	External Reference Capability - Adds external reference cable.	$50.00
C540	System Connector Cable Kit - provides a housing shell to connect to the 96 pin backplane connector, 30 loose pins, 30 of 24 gauge, 2 meter long wires with a pin for header on one end & unterminated at the other end. Allows user to create customized cable depending on application.	$50.00
X233	Wild Card Operation - Provides a utility that allows the user to affect a station's functions by asserting external inputs to the station and/or by monitoring station states. Requires X151 (Auxiliary Input & Output). Also requires System Connector Cable Kit (C540).	$200.00
X151	Auxiliary Input & Output - Provides the hardware and software needed for COR Relay & RA/RT. Requires System Connector Cable Kit (C540).	$600.00
C753	Main Standby Operation - Provides console TRC control, external closure or hot switchover. Requires Auxiliary Input & Output (X151) and System Connector Cable Kit (C540).	$400.00
Cabinet Options: Cabinets apply to MTR2000. Replaces standard shipping box. Allow space for peripherals when determining cabinet size. See Product Planner for Thermal Considerations.		
X52	30" Indoor Cabinet	$360.00
X308	46" Indoor Cabinet	$630.00
X180	60" Indoor Cabinet	$880.00
X968	Slide Rails - Motorola Cabinet - When ordering this option for field install in a cabinet, additional cabinet rails are required. See Product Planner for details.	$100.00
X346	Slide Rails - Non-Motorola Cabinet	$150.00
Racks: Replaces standard shipping box. Racks may be stacked to heights equal to 8 Ft. These stackable racks are recommended for all rack mounted systems going through the CCSI. See Product Planner for details, R4-2-97B.		
X741	30" Modular Rack - 16 Rack Units	$200.00
X742	45" Modular Rack - 24 Rack Units	$225.00
X743	52" Modular Rack - 27 Rack Units	$250.00
Manuals:		
X436	MTR2000 Instruction & Field Service Manual - Provides information to service station to the FRU level.	$50.00
X287	Omit Install and Operational Manual - This option deletes the standard manual included with every station. This option is recommended when multiple stations will be used at the same site and one manual per station is not needed.	-$15.00
Kit & Accessories: VHF MTR2000 Field Replaceable Units (FRUs)		
All Field Replacement Units (FRUs) are available through Customer Care and Service Division (RPSD) 1-800-927-2744.		
Service Accessories:		
HSN1000	6 Watt Amplified External Speaker	$109.00
0185180U01	Cable for External Speaker	$17.25
GMN6147	Local Test Microphone	$70.50
Radio Service Software (RSS):		
RVN4148	Radio Service Software (includes 3.5" disk & manual) NOTE: RSS requires Microsoft Windows 3.1 or Windows '95 for operation.	$278.00
3082056X02	Cable for Radio Service Software	$50.00

Section 2.0-Fixed-Page 10

Date 1/9/06

SUGGESTED RETAIL

Battery Reverting Charger

For use with Motorola MTR2000 Base Stations

These battery reverting charger units charge and maintain the radio battery bank in a float type application. The system provides automatic reverting to a battery bank when main AC power fails and also provides separate charging capability.

BASIC PACKAGE INCLUDES:

- **Auto Transfer Circuit**
- **Low Voltage Disconnect**
- **Stand Alone Box**
- **Auto Equalize**
- **Battery "On" Indicator**
- **Overvoltage Protection & Indicator**
- **Float and Automatic Equalize Circuitry**
- **Output Current Indicator**
- **Temperature Compensation Capability (optional)**
- **Charger Failure Indicator**
- **Rack Mountable**

MODEL NUMBER	DESCRIPTION	MANUF.SUGG. RETAIL PRICE
L1883	Battery Reverting Charger, 14-volt (12-volt nominal) (for 30 Watt, 40 Watt and Receive Only models)	$1,487
L1884	Battery Reverting Charger, 28-volt (24-volt nominal) 25-100 Watt	$1,487

Manuf.Sugg.Retail Price

Options:

Z691	Cable Interface, Station to Charger	$48.00
Z692	Cable Interface, Battery to Charger	$63.00
Z166	Temperature Sensor	$40.00

Section 2.3 - Fixed Station - Page 1

Date 1/9/06

SUGGESTED RETAIL

MC1000™, MC2000™ & MC2500™ Desktop Controllers EXTENDED LOCAL, DC & TONE REMOTE CONTROL

All MC1000, MC2000 and MC2500 Models Include:

- Single Frequency Station Control (Local Model)
- 4 Frequency Station Control (Tone & DC Model)
- Push-to-Talk Handset
- 2 or 4 Wire
- LOTL/LOBL
- Black Color
- Volume Control / Transmit LED
- Monitor Switch
- 120V AC - 60 Hz Power Supply
- Supervisory Takeover or Line Select (Tone/DC)
- Operator Cross Mute
- Intercom
- LTR® Compatible
- Service Manual
- One Year Warranty

MC2500 Only Additional Features:

- 4 Base Station Control - Capable of controlling 4 Tone channels or 3 Tone channels and 1 DC channel.
- Also capable of E & M control on all channels. Use of a Tone or DC Remote Adapter is required when connected to a mobile in a tray.
- Connector for Unselect Speaker
- Individual Volume Control
- Dedicated Logging Recorder Output
- Radio Patch
- Multi-Select
- Multi -Tasking
- All Mute

MC2000 MC2500 MC1000

MC2000/MC2500 Additional Features:

- 18 Programmable Buttons
- 2 Line x 20 Character Backlit Display
- Multi-Frequency Capability - up to 16 frequencies on Tone
- 110V/220V AC - 50/60 Hz Power Supply
- MDC Features:
  - PTT Unit ID (Encode/Decode)
  - Voice Selective Call (Encode/Decode)
  - Call Alert/Short Call Alert (Encode/Decode)
  - Status Message (Decode)
  - Radio Enable/Disable (Encode)
  - Radio Check (Encode)
  - Emergency Alarm (Decode)
- Recent User Stack - Last nine records are stored for review at any time.
- RS232 Port - Allows RSS programming via computer or the logging of MDC1200 inbound/outbound Serial Printer Port activity for permanent record keeping on a serial printer.
- Paging Encode - Allows user to selectively call a pager, portable, or mobile unit and eliminate the need to purchase a stand alone encoder. The following schemes are supported: QC II, 2 Tone, 5 Tone, 6 Tone, Digital Dial, Reach 1+1, GE 99, NEC 5 & 6, DTMF or Custom A and B tones.
- Aux I/O's
- Securenet Coded/Clear Operation - Supports positive mode control (Tone)

Notes:

1) Intercom - Allows communication between desksets without accessing the radio frequency
2) Up to 10 remotes can be used in parallel.
3) MC Series remotes are not compatible with 900 MHz MaxTrac Mobiles.
4) MC2000 and MC2500 units require RSS programming software.
5) MC2500 unselect speaker port supports a passive speaker only.
6) For unexpected out-of-box failures or quality issues, the MC Series and MC3000 must be returned for warranty repair. Please refer to the user's manual. Units will be replaced if they are sent in a total of 3 times and continue to exhibit the same problem.
7) For L3276 & L3277, radio interface cable not included. Must be ordered separately.

Extended Local Control Model Only

- If more than one L3211 or L3214 is used in parallel, the total distance of all parallel units cannot exceed 1000 Ft..

DC and Tone Remote Control Models Only:

- For DC and Tone Remote Control: If base is not remote capable, a Remote Adapter is required (see L3276 & L3277).
- The L3213 Desksets support channel steering between 4 talkgroups over conventional or LTR® Trunking Systems.
- The L3216 and L3217 Desksets support channel steering between 15 talkgroups over conventional or LTR® Trunking Systems.

MODEL NUMBER	DESCRIPTION	MANUF.SUGG. RETAIL PRICE
L3211	MC1000 Extended Local Control Deskset - Single Frequency	$285
L3212	MC1000 DC Remote Control - 4 Frequency Maximum, 2-Wire or 4-Wire	$545
L3213	MC1000 Tone Remote Control - 4 Frequency Maximum, 2-Wire or 4-Wire	$525
L3214	MC2000 Extended Local Control Deskset - Single Frequency	$1,080
L3215	MC2000 DC Remote Control - 4 Frequency Maximum, 2-Wire or 4-Wire	$1,360
L3216	MC2000 Tone Remote Control - 16 Frequency Maximum, 2-Wire or 4-Wire, Parallel Status Updating	$1,280
L3217	MC2500 Multi-Channel Remote Control	$2,482

Section 2.3 - Fixed Station - Page 2 **MC1000, MC2000 & MC2500 Desktop Controllers**

Date 1/9/06

SUGGESTED RETAIL **ACCESSORIES**

MODEL NUMBER		MANUF.SUGG.RETAIL PRICE
Tone & DC Remote Adapters - includes AC Power Supply (DDN7066) and Install/Service Manual:		
L3276	Tone Remote Adapter	$655.00
L3277	DC Remote Adapter	$512.00
General Accessories:		
HMN3000	Desk Microphone for MC2000, MC2500 & L3276, Black	$120.00
HLN9457	Hardware Kit for use with the Expanded Accessory Connector (includes 16 connector pins, five (5) 8" wires with pins attached and an extra housin	$6.95
Extended Local Control Accessories (for use with L3211 and L3214):		
DDN6337	Junction Box (order appropriate cable below) For connecting up to 6 local control desksets to the station	$398.00
Radio Interface Cables (for use with DDN6337, L3276 & L3277):		
DDN6338	Radio Interface Cable (10 Ft.) for use with MaxTrac (16 pin accessory connector required), SM120™, M1225™, CDM750™, CDM1250™, CDM1550™ & CDM1550•LS+™	$72.00
DDN6699	Radio Interface Cable (10 Ft.) for use with MCS2000	$138.00
DDN6340	Generic Radio Cable (10 Ft.) - unterminated, bare leads (can also be used with L3217)	$50.00
Field Install Kits:		
DDN6481	Punch Block with Spark Gap (recommended)	$405.00
DDN6516	Headset Jackbox - adds headset capacity See MC3000 pages for compatible headsets	$110.00
DDN6668	Single Footswitch	$94.00
DDN6341	110VAC Transformer for MC1000 models	$49.00
DDN6342	110/220VAC - 50/60 Hz Power Supply for MC2000 and MC3000 models	$169.00
DDN6339	110/220VAC - 50/60 Hz Power Supply for MC2500 models	$198.00
DDN7066	110/220VAC - 50/60 Hz Power Supply for L3276 & L3277 Remote Adapters	$155.00
Programming (MC2000 and MC2500 Models Only):		
RVN4178	Radio Service Software (includes CD-ROM)	$265.00
DDN6367	Radio Service Software Cable AT (DB9)	$35.00

CommandSTAR Lite™

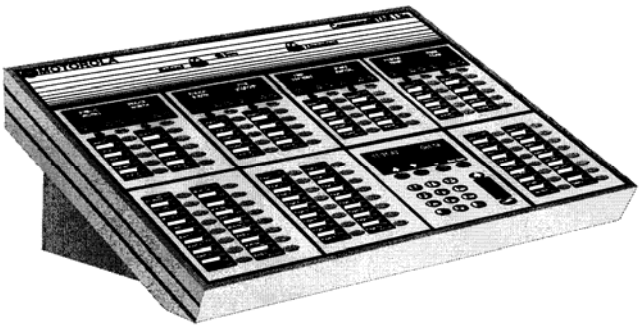
Date 1/9/06

DESKTOP or RACKMOUNT CONSOLE
CONVENTIONAL AND DIGITAL CONTROL

SUGGESTED RETAIL

All CommandSTAR Lite models include:

- **CSDM (CommandSTAR Lite Database Manager), Programming Software**
- **Keypad Module with Display and PTT**
- **Auxiliary Control Module (ACM) - 16 function buttons w/LEDs**
- **Parallel Status Updating (on Tone & Digital Control channels only)**
- **Internal Condenser Microphone on desktop versions only**
- **Two (2) Speakers (Select and Unselect)**
- **One (1) RS232 Port (logging printer, CSDM, or Netclock)**
- **One (1) Recorder Port (600 ohms) for select audio and microphone audio**
- **Four (4) Audio Accessory Ports for headset, footswitch, desk microphone and gooseneck microphone (only one (1) active at a time)**
- **Call Director Interface**
- **Dispatcher Busy LED**
- **110/220V AC 50-60 Hz Power Supply**
- **Operator, Installation and CSDM Manuals**
- **One Year Warranty**



General Information:

1. Punchblock and Cable for base station interface does not ship standard.
2. Orders should be faxed to Motorola at **1-800-628-5932.**
3. The CommandSTAR Lite is a fully featured self contained Dispatch Console available in both a desktop package and rackmount configuration. Each console can support up to eight different RF resources. These resources can be Base stations, Repeaters or Control Stations. In addition the CommandSTAR Lite supports 2 analog telephone interfaces.
4. The basic unit comes complete with Select and Unselect speakers, power supply, full numeric Keypad module (with display) and an Auxiliary Control Module (ACM). The Keypad module provides the means to enter telephone numbers and paging codes as well as allowing access to basic parameters and diagnostic menus. The ACM features 16 programmable buttons that can be used for a variety of functions such as I/O control and Paging.
5. Six additional modules can be added to the unit for control of resources or provision of further I/O and paging controls. These modules can consist of any combination of the following:
   - Channel Control Module (CCM) - supports two (2) RF resources
   - Single Display Channel Control Module (SDCCM) - supports a single RF resource providing a display for channel/ frequency aliases and signalling decode.
   - Display Channel Control Module (DCCM) - supports two (2) RF resources providing a display for channel/frequency aliases and signalling decode.
   - Digital Radio Control Module (DRCM) - supports a single control station via SB9600 bus and provides a display.
6. The CommandSTAR Lite has a Call Director port for connection to an external telephone system, allowing calls to be answered via the console. A single RS232 port is provided for connection to the CommandSTAR Database Manager (CSDM) computer that is used for programming, configuring and monitoring the console. This port can also be used as an output connection to a printer for logging Stat-Alert call information.

Ordering Requirements:

1. All CommandSTAR Lite consoles ship with programming software (CSDM) which requires a PC operating Windows XP with an available serial port. A cable is not provided and needs to be ordered separately (CDN6181 or CDN6182).
2. The CommandSTAR Lite can be ordered as a desktop or rackmount unit in one of two base configurations. The base configuration chosen will depend upon the requirements for mounting and interface to control stations with digital keying.

Model	Mounting	Number of Channels supported	Supports Digital Interface to Control Station
L3179	Desktop	8 Max	No
L3331	Desktop	8 Max	Yes - four
L3250	Rackmount	8 Max	Yes - four

CommandSTAR Lite™

DESKTOP or RACKMOUNT CONSOLE
CONVENTIONAL AND DIGITAL CONTROL

Ordering Requirements Continued:

3. The appropriate number of control modules must be ordered for the unit
   - A CCM (Z100AB) and DCCM (Z102AB) each support two channels. The DCCM provides a 2 line display for alias and message/status decodes for each channel. The CCM provides space for a printed label to identify the channel. Each channel has three programmable buttons for functions such as Repeat Enable/disable, Multiple frequency selection, etc.
   - A SDCCM (Z103AB) support a single channel, providing a 2 line display for alias and message/status decodes. Each unit provides eight programmable buttons for functions such as Repeat Enable/disable, Multiple frequency selection, etc.
   - For TRC or E&M control no option is required. However for DC control, order the DC Control Module (Z124). This will provide DC Control for up to four channels. If more channels require DC control, then a second Z124 option should be ordered.

4. If a digital interface to a radio is to be used, then order the DRCM (ZA00170AA). One is required for each radio. This option can only be used with the L3331 and L3250 models. A Digital Junction Box is required for each radio connected to a DRCM. For MCS2000™ order a L3208 with option ZA00224AA. The junction box allows up to six (6) CommandSTAR Lite consoles to be connected to a radio. Junction Boxes can be found on the MC3000 price page.

5. If more than four DRCM's are required, then order a Digital Remote Control Board (DDN6137) to field install and the additional DRCM options. Note the maximum amount of DRCM's that can be installed is six.

6. Connection from the CommandSTAR Lite to the RF equipment and Junction boxes is via two 50-way telco connectors using 25-pair cable. Channels 1-4 are on one connector and channels 5-8 are on the other. Order the appropriate cables (CDN6300, CDN6301 or CDN6302) and punch block (DDN6481).

7. If additional Auxiliary controls are required, above those supported by the initial ACM module, then order the appropriate number of option Z104AB. This option adds an ACM to the unit giving 16 more controls.

8. If telephone resources are required then an option Z118 is ordered. This option provides an interface to two separate POTS lines. Only one Z118 option is allowed.

9. Accessories can be ordered as required. The Desktop CommandSTAR Lite has a built in condenser microphone, but a desk microphone, HMN3000, or gooseneck microphone TDN9941 can be used. If a footswitch is required order BLN6732 and up to two (2) headset jacks, DDN6516, may be connected. A number of headsets are listed. Any of these may be used with the CommandSTAR Lite Console. These headsets consist of two parts, a base and a top. A choice of two bases is available (CDN6281 and CDN6282) and several tops are available. For each headset to be connected, the following is required: Headset Jack-box, Headset Base and a Headset Top.

Capacity Limitations

The CommandSTAR Lite has some fundamental capacity limitations as detailed below:

1. Maximum number of channels supported = 8
2. Maximum number of Control Module options = 6

Therefore -

2*(Qty of Z100AB + Qty of Z102AB) + Qty of Z103AB + Qty of ZA00170AB <= 8

AND

Qty of Z100AB + Qty of Z102AB + Qty of Z103AB + Qty of Z104AB + Qty of ZA00170AB <= 6

The table below gives examples of combinations that fit the rules above.

Type of Module			Number of Channels	Number of Modules
Dual Channel Z100 and Z102	Single Channel Z103 and ZA00170	ACM Z104		
0	6	0	6	6
1	5	0	7	6
2	4	0	8	6
3	2	1	8	6
4	0	2	8	6
0	1	5	1	6
0	2	4	2	6
0	3	3	3	6
0	4	2	4	6
0	5	1	5	6
0	6	0	6	6

Date 1/9/06

SUGGESTED RETAIL

CommandSTAR Lite

DESKTOP or RACKMOUNT CONSOLE MODELS / OPTIONS

MODEL	DESCRIPTION	MANUF.SUGG. RETAIL PRICE
L3179	**Eight (8) Channel Desktop Console** Desktop console with capacity for eight (8) analog channels, supporting TRC, DC or E&M control. Includes Power Supply, Select and Unselect speakers, Keypad module and one Auxiliary Control Module. Appropriate Control Modules must be ordered, a maximum of six (6) additional modules can be ordered.	$6,884
L3331	**Eight (8) Channel Desktop Console, with Digital Control Capability** Desktop console with capacity for eight (8) analog channels, supporting TRC, DC, and E&M control with the capability to support four (4) radios via digital control. Includes Power Supply, Select and Unselect speakers, Keypad module and one (1) Auxiliary Control Module. Appropriate Control Modules must be ordered, a maximum of six (6) additional modules can be ordered.	$7,450
L3250	**Eight (8) Channel Rackmount Console, with Digital Control Capability** Rack mount console with capacity for eight (8) analog channels, supporting TRC, DC, and E&M control with the capability to support four (4) radios via digital control. Includes Power Supply, Select and Unselect speakers, Keypad module and one (1) Auxiliary Control Module. Appropriate Control Modules must be ordered, a maximum of six (6) additional modules can be ordered.	$7,450

Junction Box:

L3208	**Digital Lite Junction Box for MCS2000™** (One (1) required per digital radio)	$632
Options for Junction Box Only:		
ZA00277AA	Leased Line Modem	$677
ZA00278AA	Dial-Up Modem	$878

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE

Operator Control Modules:

See ordering requirements. Channel modules provide operator control for two base stations (with Select, Instant TX, Volume Control Knob, and Mute per channel) and are available with or without displays. Display required to decode MDC1200 per channel.

Z100AB	Dual Radio Channel Control Module (CCM) Add two (2) channels identified by fixed labels. Three option buttons available per channel.	$484.00
Z102AB	Dual Channel Control Module with Display (DCCM) Activates two (2) line by 8 character display for each channel. Three option buttons available per channel.	$976.00
ZA00170AA	Digital Radio Control Module (DRCM) Add one (1) digital channel with two (2) line by 16 character display. Compatible with L3331 & L3250 only.	$1,076.00
Z104AB	Auxiliary Control Module (ACM) Adds sixteen (16) additional function control buttons and LEDs to be custom programmed with any combination of common control features.	$388.00
Z103AB	Single Channel Control Module with Display	$500.00
Z118AC	Two Phone Lines Adds interface to main board for two (2) CO phone lines. Lines support Caller ID. Each phone line requires a button on an ACM to access it. Additional ACM buttons are used for Talk, Release and Hold.	$520.00
Z124AC	DC Control One (1) Z124 allows for DC control on up to four (4) channels.	$750.00

CommandSTAR Lite

Date 1/9/06

DESKTOP or RACKMOUNT CONSOLE ACCESSORIES

SUGGESTED RETAIL

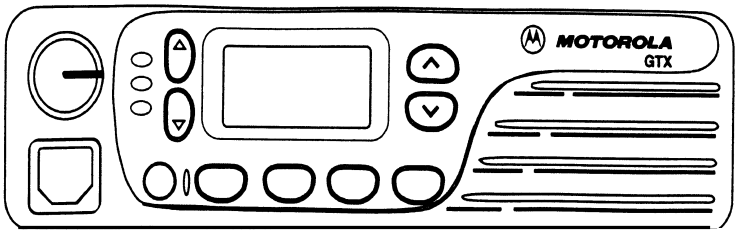
MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
Programming Cable:		
CSDM is included with each unit, however the appropriate cable must be ordered for programming (choose one).		
CDN6182	25 Ft. CSDM AT Computer Cable (DB9 serial port on PC)	$92.00
General Accessories:		
HMN3000	Desk Microphone, Black	$120.00
DDN7526	Gooseneck Microphone for Desktop Console	$295.00
BLN6732	Dual Footswitch	$106.00
DDN6516	Headset Jackbox	$110.00
CDN6282_R	Headset Amplifier Module Base (15 Ft. Coil Cord)	$245.00
CDN6281_R	Headset Amplified Module Base with PTT Switch (15 Ft. Coil Cord)	$204.00
RLN5130	Headset Amplified Module Base with PTT Switch (25 Ft. Coil Cord)	$242.00
Operator Audio Accessories:		
All headset "tops" below require Audio Accessory Box (DDN6516) and Amplified Module Base (CDN6282_R, CDN6281_R or RLN5130):		
CDN6290_R	Noise Cancelling Supra Monaural - replaces voice tube with unidirectional microphone	$149.00
CDN6286	Encore Monaural - single speaker headband style with user selectable tone control	$127.00
CDN6293	Noise Cancelling Encore Monaural - replaces voice tube with unidirectional microphone	$145.00
CDN6294	Noise Cancelling Encore Binaural - replaces voice tube with unidirectional microphone	$184.00
CDN6295	StarSet - over-the-ear design with eartip receiver that fits into the ear for sound clarity	$110.00
CDN6297_R	Supra Monaural - Single Speaker Headband Style	$110.00
Field Upgrade Kits:		
DDN6130	Dual Radio Channel Control Module (CCM)	$559.00
DDN6131	Dual Radio Channel Control Module with Display (DCCM)	$1,051.00
DDN6138	Digital Radio Control Module (DRCM)	$1,124.00
TDN9897	DC Control (one (1) TDN9897 allows for DC control up to 4 channels)	$775.00
DDN6659	Modem Card, Leased Lines for Digital Junction Box Installation	$727.00
Punchblock and Cables:		
Order one (1) Punchblock and Telco Cable for every four (4) radio channels being controlled.		
DDN6481	Punch Block with Spark Gap (recommended)	$405.00
CDN6300	15 Ft. Telco Cable - twenty five (25) pair telco cable, one 50-pin male and one 50-pin female connector (one rear-entry, one right angle)	$29.70
CDN6301	50 Ft. Telco Cable - twenty five (25) pair telco cable, one 50-pin male and one 50-pin female connector (one rear-entry, one right angle)	$44.50
CDN6302	100 Ft. Telco Cable - twenty five (25) pair telco cable, one 50-pin male and one 50-pin female connector (one rear-entry, one right angle)	$74.20
HKN6123	Radio Interface Cable (10 Ft.) for use with MCS2000 (for use with L3208)	$117.00

GTX™ MOBILE

800 MHz & 900 MHz Band Privacy Plus™

All GTX Mobile Models Include:

- **Standard Microphone (Compact Palm Microphone with Hang-Up Clip - HMN3413)**
- **Standard Power Cable - DC (HKN4191)**
- **Standard Inst/Bracket (Direct Mount Bracket & Screws - HLN9640)**
- **Ignition Sense Cable (GKN6271)**
- **Standard Owner's Manual with Quick Reference Card**
- **One Year Warranty**



Feature Highlights:

- **800 MHz - 35 Watts of Power**
- **900 MHz - 30 Watts of Power**
- **10 Systems / 8 Talkgroups**
- **10 Conventional Modes**
- **3 Character Display**
- **Dual Mode Capability**
- **Talkaround**
- **Call Alert™ (Encode/Decode)**
- **Private Conversation™ (Initiate/Response)**
- **Telephone Interconnect (Initiate/Response)**
- **Scan**
- **Time-Out-Timer**
- **Horn & Lights**
- **Deskset Compatible**
- **Data Capable**

Ordering Information:

1. The radio model is a dual mode radio, supporting both conventional and trunked operation with 10 systems/ 8 Talkgroups and 10 conventional modes.
2. All GTX radios will ship from the factory unprogrammed.
3. Radio programming can be done via the Radio Service Software in the field.
4. The 800 MHz GTX mobile radio WILL NOT operate in the 821-824/866-869 MHz frequency band.

800 MHz

BAND	SYSTEM TYPE	POWER	SYSTEMS / TALKGROUPS	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
806-821 MHz 851-866 MHz	TYPE I / II / IIi	35W	10/8	M11URD6CB1_N	$998

900 MHz

BAND	SYSTEM TYPE	POWER	SYSTEMS / TALKGROUPS	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
896-902 MHz 935-941 MHz	Privacy Plus	30W	10/8	M11WRD4CB1_N	$998

FCC INFORMATION: ABZ99FT3003 (35W) / ABZ99FT3004 (30W)

Section 6.1-Mobiles-Page 2

Date 1/9/06

SUGGESTED RETAIL

GTX™ MOBILE

800 MHz / 900 MHz Privacy Plus™ OPTIONS

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP		
	STEP 1:	
Microphone Choices:		
STDMIC0867	Standard Microphone (Compact Palm Mic with Hang-Up Clip - HMN3413)	N/C
B71	Omit Standard Compact Microphone	-$21.00
	STEP 2:	
Cable Choices:		
STDCBL0867	Standard Power Cable - DC (HKN4191)	N/C
B161	Omit Standard Power Cable	-$15.00
	STEP 3:	
Bracket Choices:		
STDBKT0867	Standard Inst/Bracket (Direct Mount Bracket - HLN9640)	N/C
B65	Omit Standard Non-Locking Mounting Bracket	-$10.00
	STEP 4:	
Manual Choices:		
STDMAN0867	Standard English Owner's Manual	N/C
General Options:		
B842	Bulk Packaging (minimum 10 units per line item)	N/C
G400	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$23.00
G24	Express Service Plus Plan (ESP) 2 Year - Provides for 2 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$39.00

Section 6.1 - Mobiles-Page 3

Date 1/9/06

TRUNKED MOBILE - PRIVACY PLUS™ ACCESSORIES

SUGGESTED RETAIL

GTX	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
	Microphones & Accessories:		
X	HMN3413	Compact Microphone with 7 Ft. Coil Cord & Hang-Up Clip	$39.50
X	HMN1035	Heavy Duty Palm Microphone with 10.5 Ft. Coil Cord	$81.50
X	HMN4016	Noise Cancelling Microphone	$201.00
X	HMN3013	DTMF Non-Backlit Microphone with Hang-Up Clip (800 MHz Only)	$209.00
X	AAREX4617	Telephone Style Handset with Hang-Up Cup	$132.00
X	HLN9073	Microphone Hang-Up Clip (all microphones)	$1.10
	General Accessories:		
X	HSN9326	5 Watt External Speaker for receiver audio (requires16 pin options connector)	$47.50
X	FSN5510	7.5 Watt External Speaker	$49.50
X	GKN6272_R	External Alarm Relay and Cable	$55.00
	Antennas:		
X	HAF4002	806-900 MHz, 1/4 Wave Roof Mount Antenna	$14.00
X	RRA4983	806-900 MHz, 3dB Roof Mount Stainless Steel Antenna, Mini-UHF & Low Loss Cable	$49.00
X	RRA4914	806-900 MHz, 3dB Roof Mount Stainless Steel Antenna	$38.00
X	RRA4935	900 MHz, 3dB Gain Antenna with 14 Ft. Cable	$30.00
	Installation Accessories:		
X	GKN6270	Power Cable with 10A Fuse	$25.00
X	GKN6271	Ignition Switch Cable	$9.90
X	HKN4191	Mobile Power Cable	$18.00
X	HKN9557	PL259/Mini-U Antenna Adapter - 8" cable (not recommended for 800 MHz)	$12.00
X	2880376E84	Mini-U Connector (all bands)	$3.40
	Mounting Accessories:		
X	HLN9640	Non-Locking Bracket	$20.00
	Control Station Accessories: **The Control Station package includes: power supply, adapter cable, black desk microphone and base tray.**		
X	RLN4834	GTX Control Station Package for 30 and 35 Watt High Power models. Package includes: an adapter cable, base tray, black desk microphone and power supply.	$407.00
X	HMN3000	Desk Microphone, Black	$120.00
X	GLN7318	Desktop Tray without Speaker	$40.00
X	HPN4007	Power Supply and Cable (25-60 Watt Models)	$296.00
X	HKN9088	Mobile Mini-U Antenna Adapter - 8 Ft. Cable	$40.25
	Service Accessories:		
X	RVN4150	Radio Service Software (includes 3.5" disk & manual)	$265.00
X	3080070N01	MaraTrac & GTX Mobile Radio Service Software Programming Cable	$65.25
X	RLN4008	Radio Interface Box (RIB)	$200.00
X	6880907Z19	GTX Mobile User Manual - Privacy Plus™ (includes Quick Reference Cards)	$16.25

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ASTRO® Digital XTL™ 1500 Mobile

Trunked Radio Systems

700 / 800 MHz Band

All XTL 1500 models include:

- Palm Microphone
- Internal Speaker (Standard)
- Ignition Sense Cable
- 10 Foot Negative Ground Power Cable (3 meters) for Dash Mount
- Mounting Hardware
- One Year Warranty

Notes:

1. All XTL 1500 radios are part of the FLASHport® program and ship standard with a FLASH EE Prom, which allows for feature and system upgrades.

2. Project 25 (P25) / Secure is only available through Above the Pricebook (APB)

Ordering Requirements:

1. Order the XTL 1500 Portable as the main line item.

2. A System Software Package (G809 or G967) MUST be ordered for each radio unit ordered.

OPERATING MODES

Capable of operation in four different voice communication modes:

- **ANALOG Conventional and 3600 Baud Trunking ENHANCED (G809)**
- **ANALOG Conventional and 3600 Baud Trunking (G967)**

The mode of operation is programmed on a channel-by-channel basis. The XTL 1500 is capable of transmitting clear analog voice or clear (unencrypted) ASTRO digital voice, depending on the channel programming. XTL 1500 radio functions include ASTRO Digital signaling and digital coding.

CHANNEL SPACING

There are no maximum frequency separation conditions that must be adhered to on the XTL 1500 Mobile Radio Series. Separation of frequencies can be as wide as the allowable sub-band per radio model with no degradation of any performance specifications. If an incorrect antenna is used, degraded performance may be experienced.

ASTRO® Digital XTL™ 1500 Mobile Trunked Radio Systems 700 / 800 MHz Band

ORDERING REQUIREMENTS

1. The main model number consists of the mobile transceiver or “brick” for the frequency band and power level, control head hardware, control head software, dash mount capability, mounting hardware, power cable, ignition sense cable, and microphone.
2. The XTL 1500 radio also includes an internal speaker.
3. Any additional accessories that are required can be ordered as options.
4. A software enhanced version of each system software package can be ordered as an option if customers require any of the capacity and feature capabilities described below:

Enhancements to an ANALOG system include: 255 channels, 16 trunked systems, 16 trunked personalities, 20 call lists, 25 call list members, and 20 scan lists. Note: This enhancement package does NOT include ADP or Data capability.

Radio Features:

Software features supported by "SmartZone® System Packages"	
	ANALOG Conventional and 3600 BAUD Trunking G809
RADIO WIDE FEATURES	
48 Modes / Channels	Yes
Analog or Digital Operation	No
12.5/20/25 kHz Programmable Channels	Yes
Secure Capable *ADP supported when Software Enhancement Package is ordered (see corresponding matrix below).	No*
One Touch Operation	Yes
Radio Wide Transmit Inhibit	Yes
Time Out Timer	Yes
FLASHport	Yes
ANALOG CONVENTIONAL FEATURES	
CSQ/PL/DPL	Yes
Dual Priority Channel Scan	Yes
Repeater / Talkaround Operation	Yes
Scan (Auto, Pre-programmed)	Yes
Monitor	Yes
DTMF Tone Generation	Yes
MDC PTT ID (Encode / Decode)	Encode
MDC Selective Radio Inhibit (Decode)	Yes
MDC Call Alert (Encode / Decode)	Yes
MDC Radio Check (Decode)	Yes
MDC Voice Selective Call (Encode / Decode)	Yes
MDC Remote Monitor	N/A
MDC Call Lists (Call Alert / Selective Call)	Yes
MDC Emergency Call (Encode / Decode)	Yes
MDC Emergency PTT ID (Encode)	Encode
MDC Emergency Alarm (Encode)	Yes
MDC Select Emergency	Yes
MDC Status / Message (Encode)	Yes

ASTRO® Digital XTL™ 1500 Mobile

Trunked Radio Systems

700 / 800 MHz Band

Software Features:

DIGITAL CONVENTIONAL SIGNALING FEATURES

Features when used in the ASTRO Digital CAI Mode

	ANALOG Conventional and 3600 BAUD Trunking G809
Unaddressed Voice Call	N/A
Talk Group Call	N/A
Group Call Alert™	N/A
Talk Group Identification (TGID)	N/A
Selective Call (Individual Voice Call)	N/A
Selective Call Decode (Individual Voice Call)	N/A
PTT ID (Individual Identification)	N/A
Call Alert Encode / Decode	N/A
Emergency Alarm with Channel Revert & Acknowledge	N/A
Telephone Interconnect Unlimited (Decode)	N/A
Unlimited	N/A
Selective Radio Inhibit	N/A
Radio Check	N/A
Status / Message	N/A
Adaptive Power Control	N/A
Smart PTT	N/A
SmartZone Omnilink	N/A

TRUNKING TYPE II ONLY FEATURES

Features when used in the ASTRO Digital CAI Mode

	ANALOG Conventional and 3600 BAUD Trunking G809
4 Trunked Systems (Maximum)	Yes
Talkgroup Calls	Yes
PTT ID	No
Call Alert Encode / Decode	Yes
Dual Mode Scan	Yes
Failsoft by Talkgroup	Yes
Telephone Interconnect Unlimited (Decode)	Yes
System Wide Call (Receive Only)	Yes
Selective Radio Inhibit	Yes
Priority Monitor Scan	No
Dynamic Regrouping	Yes
Status / Message (No DEK)	Yes
Dispatcher Interrupt	No
Private / Enhanced Conversation Encode / Decode	Yes
Radio Trace	Yes
Reprogram Request	Yes
SmartZone Automatic Site Registration	Yes
SmartZone RSSI Operation	Yes
SmartZone Busy Override	No
SmartZone Preferred Site	Yes
SmartZone Forced Site Search	Yes
SmartZone Site Lock/Unlock	Yes
SmartZone Adjacent Control Channel OSW	Yes
Emergency Alarm Call Receive Indication	Yes

Software Features with Enhanced Package:

"ADDITIONAL" FEATURES / CAPABILITIES SUPPORTED WITH SOFTWARE ENHANCEMENT PACKAGE

	ANALOG Conventional and 3600 BAUD Trunking Enhanced G967
255 Channels	Yes
16 Trunked Systems	Yes
16 Trunked Personalities	Yes
20 Call Lists	Yes
25 Call List Members	Yes
20 Scan Lists	Yes
ADP - supported for 3600 Digital Trunking systems but in the Digital Conventional Mode ONLY.	No
Data	No

ASTRO® Digital XTL™ 1500 Mobile

Trunked Radio Systems

700 / 800 MHz Band

SUGGESTED RETAIL

MODEL / OPTIONS

BAND SPLIT	BAND	CHANNEL	WATTS	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
764-870 MHz	800 MHz	48	35W	M28URS9PW1_N	$1,600.00

FCC INFORMATION: AZ492FT5823

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
Options:		
Software Package Option:	**EACH MODEL MUST BE ORDERED WITH THE SOFTWARE PACKAGE OPTION**	
G809	ANALOG Conventional and 3600 Baud Trunking	$230.00
G967	ANALOG Conventional and 3600 Baud Trunking Enhanced	$430.00
Alarm Options:		
W116	External Alarm Relays and Cable (for either Horn or Lights - NOT both)	$75.00
Emergency Options:		
W470	External Emergency Footswitch (HLN5113)	$56.00
W688	External Emergency Pushbutton (HLN5131)	$56.00
Control Station Options:		
G91	Control Station Power Supply (HPN4007)	$269.00
G798	Control Station Base Mount	$48.00
Microphone Options:		
W382	Control Station Microphone (HMN1050)	$169.00
W20	Keypad Microphone - GCAI	$180.00
Speaker Options:		
B18	Auxiliary 5W Speaker (HSN4031)	$60.00
Test Result Option:		
G799	Printed Test Results	N/C
Miscellaneous Option:		
W81	Key Lock Mount	$33.00
B90	Omit All Accessories	-$100.00
Antenna Options:		
G174	764-870 MHz, 3dB Gain Low-Profile Antenna (HAF4013)	$43.00
G175	764-870 MHz, 3dB Gain Elevated Feed Antenna (HAF4014)	$75.00
G335	764-870 MHz, 1/4 Wave Antenna (HAF4016)	$14.00
W484	764-870 MHz, 3dB Gain Antenna (HAF4017)	$38.00
G89	764-870 MHz, 3dB Gain Antenna (HAF4017)	N/C

Options continued on next page.

ASTRO® Digital XTL™ 1500 Mobile

Trunked Radio Systems

700 / 800 MHz Band

OPTIONS

SUGGESTED RETAIL

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
Warranty Options:		
G400	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$53.00
G24	Express Service Plus Plan (ESP) 2 Year - Provides for 2 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$102.00

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Date 2/24/06

SUGGESTED RETAIL

ASTRO® Digital XTL 1500™ Mobile
700 / 800 MHz
ACCESSORIES

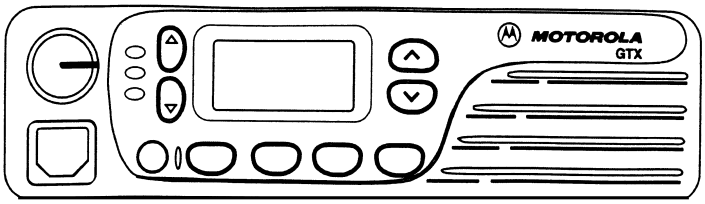
XTL 1500™	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
	Microphones:		
X	HMN4079	Keypad Microphone	$320.00
	Cables:		
X	HKN4191	Mobile Power Cable	$18.00
X	HKN6160	Cable Kit 6' Data	$50.00
X	HKN6183	RS-232 Programming Cable	$66.35
	Miscellaneous:		
X	HLN5113	Emergency Footswitch	$61.75
	Speakers		
X	HSN4038	External 7.5 Watt Water Resistant Remote Mount Speaker (XTL 1500 - requires HKN6127 Adapter Cable for Dash Mount Compatibility)	$60.50
	Mounting Accessories:		
X	HLN6372	Key Lock Mounting	$44.00
X	HLN6925	Control Station Mount	$95.00
	Antennas:		
X	HAF4013	800 MHz 3dB Gain Low-Profile Antenna, 762-870 MHz	$43.00
X	HAF4014	800 MHz 3dB Gain Elevated Feed Antenna, 762-870	$75.00
X	HAF4017	800 MHz 3dB Gain Collinear Antenna, 762-870	$38.00
X	HAF4016	800 MHz 1/4 Wave Antenna, 762-870 MHz	$20.00
	Software:		
X	RVN4185	ASTRO 25 Mobile Software CD, Version R01.00.00 - 3 Year Subscription	$265.00
X	RVN4186	ASTRO 25 Portable/Mobile Software 2 CD Set - 3 Year Subscription - (RVN4185 & RVN4181) - requires Mobile Cable HKN6183	$375.00

GTX™ MOBILE

800 MHz Band LTR® Protocol

All GTX Mobile Models Include:

- **Standard Microphone (Compact Palm Microphone with Hang-Up Clip - HMN3413)**
- **Standard Power Cable - DC (HKN4191)**
- **Standard Inst/Bracket (Direct Mount Bracket & Screws - HLN9640)**
- **Ignition Sense Cable (GKN6271)**
- **Standard Owner's Manual with Quick Reference Card**
- **One Year Warranty**



Feature Highlights:

- **800 MHz - 35 Watts of Power**
- **10 Systems / 8 Talkgroups**
- **10 Conventional modes**
- **3 Character Display**
- **Dual Mode Capability**
- **Talkaround**
- **Telephone Interconnect (Initiate/Response)**
- **Scan**
- **Time-Out Timer**
- **Horn & Lights (available on incoming telephone-interconnect calls only)**
- **Deskset Compatible**
- **Data Capable**

Ordering Information:

1. The radio model is a dual mode radio, supporting both conventional and trunked operation with 10 systems/ 8 Talkgroups and 10 conventional modes.
2. All GTX radios will ship from the factory unprogrammed.
3. Radio programming can be done via the Radio Service Software in the field.
4. The 800 MHz GTX mobile radio WILL NOT operate in the 821-824/866-869 MHz frequency band.

BAND SPLIT	BAND	SYSTEM TYPE	POWER	SYSTEMS / TALKGROUPS	CATALOG MODEL	MANUF.SUGG. RETAIL PRICE
806-821 MHz 851-866 MHz	800 MHz	LTR®	35W	10/8	M11URD6CU1_N	$918

LTR® is a registered trademark of E.F. Johnson Co.

FCC INFORMATION: ABZ99FT3003

GTX™ MOBILE

800 MHz LTR® OPTIONS

SUGGESTED RETAIL

MODEL NUMBER	DESCRIPTION	MANUF.SUGG.RETAIL PRICE
Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP		
	STEP 1:	
Microphone Choices:		
STDMIC0446	Standard Microphone with Hang-Up (Compact Palm - HMN3413)	N/C
B71	Omit Standard Compact Microphone	-$21.00
	STEP 2:	
Cable Choices:		
STDCBL0446	Standard Power Cable (HKN4191)	N/C
B161	Omit Standard Power Cable	-$15.00
	STEP 3:	
Bracket Choices:		
STDBKT0446	Standard Inst/Bracket (Direct Mount Bracket & Screws - HLN9640)	N/C
B65	Omit Standard Non-Locking Mounting Bracket	-$10.00
	STEP 4:	
Manual Choices:		
STDMAN0446	Standard English Owner's Manual	N/C
General Options:		
B842	Bulk Packaging (minimum 10 units per line item)	N/C
G400	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$23.00
G24	Express Service Plus Plan (ESP) 2 Year - Provides for 2 years of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	$39.00

Section 6.2 - Mobiles-Page 3

Date 1/9/06

SUGGESTED RETAIL

TRUNKED MOBILE - LTR® ACCESSORIES

GTX	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
	Microphones & Accessories:		
X	HMN3413	Compact Microphone with 7 Ft. Coil Cord & Hang-Up Clip	$39.50
X	HMN1035	Heavy Duty Palm Microphone with 10.5 Ft. Coil Cord	$81.50
X	HMN3013	DTMF Non-Backlit Microphone with Hang-Up Clip (800 MHz Only)	$209.00
X	AAREX4617	Telephone Style Handset with Hang-Up Cup	$132.00
X	HLN9073	Microphone Hang-Up Clip (all microphones)	$1.10
	General Accessories:		
X	HSN9326	5 Watt External Speaker for receiver audio (requires16 pin options connector)	$47.50
X	FSN5510	7.5 Watt External Speaker	$49.50
X	GKN6272_R	External Alarm Relay and Cable	$55.00
	Antennas:		
X	HAF4002	806-900 MHz, 1/4 Wave Roof Mount Antenna	$14.00
X	RRA4983	806-900 MHz, 3dB Roof Mount Stainless Steel Antenna, Mini-UHF & Low Loss Cable	$49.00
X	RRA4914	806-900 MHz, 3dB Roof Mount Stainless Steel Antenna	$38.00
	Installation Accessories:		
X	GKN6270	Power Cable with 10A Fuse	$25.00
X	GKN6271	Ignition Switch Cable	$9.90
X	HKN4191	Mobile Power Cable	$18.00
X	2880376E84	Mini-U Connector (all bands)	$3.40
	Mounting Accessories:		
X	HLN9640	Non-Locking Bracket	$20.00
	Control Station Accessories:	**The Control Station package includes: power supply, adapter cable, black desk microphone and base tray.**	
X	RLN4834	GTX Control Station Package for 30 and 35 Watt High Power models. Package includes: an adapter cable, base tray, black desk microphone and power supply.	$407.00
X	HMN3000	Desk Microphone, Black	$120.00
X	GLN7318	Desktop Tray without Speaker	$40.00
X	HPN4007	Power Supply and Cable (25-60 Watt Models)	$296.00
X	HKN9088	Mobile Mini-U Antenna Adapter - 8 Ft. Cable	$40.25
	Service Accessories:		
X	RVN4150	Radio Service Software (includes 3.5" disk & manual)	$265.00
X	3080070N01	MaraTrac & GTX Mobile Radio Service Software Programming Cable	$65.25
X	RLN4008	Radio Interface Box (RIB)	$200.00
	Service Manuals:		
X	6880907Z20	GTX Mobile User's Guide - LTR® (includes Quick Reference Card)	$16.25

TRUNKING

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Section 8.1-Non-Current Radios-Page 1

TWO - WAY PORTABLE PRODUCTS

Date 1/9/06

SUGGESTED RETAIL

STX™/MX800™/HT600™/MTX800™/MTX900™/MT1000™

STX	MX800	HT600	MTX800	MTX900	MT1000	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
						Antennas:		
					X	NAB6064	LowBand Heliflex Antenna, 29.7-50 MHz	$24.50
		X			X	8505816K22	VHF Heliflex Antenna, Yellow, Molded, 136-150.8 MHz	$12.25
		X			X	8505816K21	VHF Heliflex Antenna, Black, Molded, 150.8-162 MHz	$12.25
		X			X	8505816K23	VHF Heliflex Antenna, Blue, Molded, 162-174 MHz	$12.25
		X			X	8505247K06	UHF Flexible Whip Antenna, 403-512 MHz	$15.50
		X			X	8505816K24	UHF Heliflex Antenna, Red, Molded, 403-433 MHz	$12.25
		X			X	8505816K25	UHF Heliflex Antenna, Green, Molded, 450-470 MHz	$12.25
		X			X	8505816K26	UHF Heliflex Stubby Antenna, Black, Molded, 470-512 MHz	$12.25
X			X			8505241U03	806-870 MHz Injection Molded Whip Antenna	$35.75
X			X			8505241U06	806-870 MHz Injection Molded 3.5" Whip Antenna	$25.50
X	X		X			NAF4000	806-870 MHz Dipole Antenna	$35.00
						Ear Microphone Accessories:		
X	X	X	X	X		BDN6641	Ear Microphone, Gray (for high noise levels up to 105dB) - requires Interface Module - Intrinsically Safe (FM) on all radios except STX	$247.00
X	X	X	X	X		BDN6677	Ear Microphone, Black (for noise levels up to 95dB) - requires Interface Module - Intrinsically Safe (FM) on all radios except STX	$198.00
X	X	X	X	X		BDN6678	Ear Microphone, Beige (for noise levels up to 95dB) - requires Interface Module	$198.00
X	X	X	X	X		0180300E25	Adjustable Earholder (for securing ear microphone in ear)	$45.75
X	X	X	X	X		0180358B33	Medium Earholder for Ear Microphone System, Black (For securing ear microphone in ear) - Additional sizes & colors available.	$19.00
X	X	X	X	X		0180300E83	Body Switch Push to Talk for Ear Microphone System	$159.00
X	X	X	X	X		0180358B38	Finger Push to Talk Switch for Ear Microphone System - Intrinsically Safe (FM)	$52.50
						Earpieces:		
		X	X	X		ZMN6032	2-Wire Surveillance Kit with Microphone & PTT Combined, Beige (HT600, MTX800, MTX900 & MT1000 - requires NTN5075)	$143.00
		X	X	X		ZMN6031	3-Wire Surveillance Kit with Microphone & PTT Combined, Beige (HT600, MTX800, MTX900 & MT1000 - requires NTN5075)	$177.00 $603.00
			X	X		NTN8370	Extreme Noise Earpiece Adapter Kit, Noise Reduction Rating = 24dB - (for use with surveillance accessories)	$32.00
			X	X		NTN8371	Low Noise Earpiece Adapter Kit - (for use with surveillance accessories - clear comfortable earpieces can be added for extra comfort - must be ordered separately through RPSD)	$20.00
		X	X	X		BDN6717	Flexible Ear Receiver - Flexible Earloop & Speaker which rests external to ear (requires adapter NTN4812)	$40.00
		X	X	X		NTN4812	Receive-Only Earpiece Jack Adapter	$20.50
		X	X	X		5880378B84	Jack Adapter - 3.5mm to 2.5mm	$5.45
						Headsets:		
X	X	X	X	X		BDN6635	Heavy Duty Noise Cancelling Boom Microphone Headset with VOX - Noise Reduction Rating = 24dB	$906.00
X	X	X	X	X		BDN6645	Heavy Duty Noise Cancelling Boom Microphone Headset with PTT on Earcup - (requires separate adapter cable) - Noise Reduction Rating = 24dB	$439.00
		X	X	X		BDN6639	Radio Adapter Cable for BDN6635 & BDN6645	$221.00

Section 8.1-Non-Current Radios-Page 2

TWO - WAY PORTABLE PRODUCTS

Date 1/9/06

SUGGESTED RETAIL

STX™/MX800™/HT600™/MTX800™/MTX900™/MT1000™

STX	MX800	HT600	MTX800	MTX900	MT1000	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
INTRINSICALLY SAFE (FM): NTN4564, NTN4823, NTN5448 & NTN4534 are rated as Intrinsically Safe for use in Classes I, II and III, Division 1, Groups C, D, E, F and G. NTN4500 is rated as Intrinsically Safe for use in Classes I, II and III, Division 1, Groups D & G.								
						Remote Speaker Microphones:		
		X	X	X		NMN6145	Remote Speaker Microphone with Belt Clip, Coil Cord & 2.5 mm Earphone Jack	$120.75
		X	X	X		NMN6156	Remote Speaker Microphone with Coil Cord & Clothing Clip (does not have earpiece jack)	$114.50
X	X					NMN6176	Remote Speaker Microphone with Coil Cord, Clip Back, 2.5 mm Earpiece Jack	$216.00
X	X					NMN6177	Remote Speaker Microphone with Coil Cord and Clip Back	$183.00
						Public Safety Accessories:		
X	X					NMN6175	800-900 MHz Public Safety Remote Speaker Microphone, Antenna Included	$241.00
		X		X		8505309N10	Antenna for Public Safety Microphones, 440-470 MHz	$20.00
						Battery Maintenance Systems:		
X		X	X	X		WPLN4079_R	Battery Maintenance System Plus (BMS+) - 110 Volt AC, 50/60 Hz - Six Station Reconditioner. Using interchangeable adapter plates (sold separately), the BMS+ is capable of charging and discharging, analyzing, conditioning, cycle testing, and more. Supports NiCd, NiMH and Li-ion battery chemistries.	$650.00
		X	X	X		TDN9441	Adapter, 10V, 550/1000 mAh	$26.00
						Batteries:		
		X				NTN4564	NiCd, 550 mAh, 10V Battery - Intrinsically Safe (FM)	$82.50
			X	X		NTN4823_R	NiCd, 550 mAh, 10V Battery - Intrinsically Safe (FM)	$108.00
		X				NTN4584_R	NiCd, 630 mAh, 10V Battery	$60.00
		X				NTN5415	NiCd, 1000 mAh, 10V Battery - Intrinsically Safe (FM)	$93.50
			X	X		NTN5448_R	NiCd, 1000 mAh, 10V Battery - Intrinsically Safe (FM)	$121.00
		X				NTN5414_R	NiCd, 1100 mAh, 10V Battery	$60.00
			X	X		NTN5447_R	NiCd, 1100 mAh, 10V Battery	$95.00
X	X					NTN4534	NiCd, 1300 mAh, 7.5V Battery - Intrinsically Safe (FM)	$88.00
X	X					NTN4326	NiCd, 1300 mAh, 7.5V Battery	$70.00
X	X					NTN4500	NiCd, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM)	$87.00
X	X					NTN4327	NiCd, 1800 mAh, 7.5V Battery	$65.00
			X	X		NTN7015	NiMH, 950 mAh, 10V Battery	$95.00
						Battery Testers:		
X	X					RKN4037	Cable & Clip Lead 7.5V for Battery Tester	$41.00
						Carrying Cases:		
		X	X	X		NTN5461	Large Leather Swivel Case & T-Strap and D-Rings (for shoulder strap - fits 2.25" belt)	$76.50
		X		X		NTN5883	Leather Swivel Case and T-Strap (fits 3" belt)	$70.50
		X	X	X		NTN5460	Large Leather Case with Belt Loop and D-Rings (for use with shoulder strap)	$70.00

Section 8.1-Non-Current Radios-Page 3

TWO - WAY PORTABLE PRODUCTS

Date 2/24/06

SUGGESTED RETAIL

STX™/MX800™/HT600™/MTX800™/MTX900™/MT1000™

STX	MX800	HT600	MTX800	MTX900	MT1000	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
						Carry Accessories:		
			X		X	NTN4916	1.5" Belt Clip	$23.00
		X	X		X	4282421J06	2.5" Swivel Belt Loop (for use with Swivel Leather Cases)	$12.00
		X				NTN5389	2.5" Belt Clip	$21.50
			X		X	NTN4924	2.5" Belt Clip - Bronze	$21.50
		X	X		X	NTN4814	2.5" Belt Clip Carry Holder, Black	$29.50
X	X	X	X		X	4205857B01	3" Swivel Belt Loop (for use with Swivel Leather Cases)	$10.50
		X	X		X	NTN5602	3" Public Safety Belt Clip, Black	$22.50
		X	X		X	4205386S03	Replacement Nylon Strap for Large Cases with Snap	$11.00
X	X	X	X		X	NTN5243	Shoulder Carry Strap	$20.00
		X	X		X	TDN9327	Portable Radio Hanger - for door panels up to 2.75" (slides over and hangs from the door panel in vehicle). Radio Belt Clip is required for use.	$18.00
		X	X		X	TDN9373	Portable Radio Hanger - for door panels from 2.75" to 3.25" (slides over and hangs from the door panel in vehicle). Radio Belt Clip is required for use.	$18.00
						Multi-Unit Chargers:		
			X		X	NTN4668	117 Volt - 6 Unit, Rapid Charge Rate (1 Hour)	$625.00
						Single Unit Chargers:		
		X	X		X	NTN4666	Compact, Regular Charge Rate (16 Hours)	$35.00
						Conditioning Chargers & Accessories:		
X						WPPN4000_R	Adapter Plate Only (for use with Conditioning Chargers)	$15.00
X		X	X		X	3080384G15	Cigarette Lighter Adapter for Single & Multi Unit Motorola Conditioning Chargers	$7.00
						Miscellaneous Charger Accessories:		
		X	X		X	NLN7967	Wall Mount Kit for Multi-Unit Charger	$21.00
						Mobile Operations Accessories:		
X	X					HMN1015	Converta-Com, Remote Microphone	$87.00
		X	X		X	HMN1035	Heavy Duty Palm Microphone with 10.5 Ft. Coil Cord	$81.50
		X	X		X	HMN1056	Compact Palm Microphone with 7 Ft. Coil Cord	$38.50
		X	X		X	HMN3013	DTMF Non-Backlit Microphone with Hang-Up Clip	$209.00
		X			X	NKN6408	Mobile Antenna RF Adapter Interface Cable - Allows remote antenna adapter to interface with UHF male PL259/SO239 connector.	$21.00
		X				NTN5368	Remote Antenna RF Adapter	$22.75
		X			X	NKN6428	12V Cable Kit (required if not used with PAC-RT Mobile System)	$46.50
		X	X		X	NSN6054	12 Watt External Speaker	$123.00
X	X					TAF6041	Converta-Com, 806-866 MHz Roof Top Antenna	$28.75
						Service Tools:		
	X	X	X		X	0180357A57	Wall Mounted Power Supply, 120V (for use with RLN4008)	$24.25
	X	X	X		X	3080369B72	9 Pin PC to Radio Interface Box Cable (IBM AT or compatible)	$52.00
	X					5880384G68	RF Adapter	$16.00
		X			X	NKN6376	Cloning Cable	$64.50
	X	X	X		X	R1319	Desoldering Rework Station, 110V	$3,868.75
	X	X	X		X	RLN4008	Radio Interface Box (RIB)	$200.00
		X	X		X	RAB4004ARA	Low Band 1/4 Wave Base Loaded Antenna, 42-50 MHz	$47.00

iDEN PORTABLE PRODUCTS

Date 1/9/06

SUGGGESTED RETAIL

i500plus™/i550plus™/i700plus™/i750plus™/i85s™/i88s™/i50sx™/i55sr™/i58sr™/i80s™/i90c™/i60c™/i95cl™/i30sx™/i35s™/i205™/i305™/i315™/i355™/i530™/i730™/i710™/i830™/i836™/i850™/i760™/i860™/i560™/i930™/i325™/i325IS™

i500plus	i550plus	i700plus	r750plus	i85s / i88s	i50sx / i55sr / i58sr	i80s	i90c / i60c / i95cl	i30sx / i35s	i205 / i305 / i315 / i355	i730 / i710 / i830 / i836	i850 / i760 / i860	i560 / i930	i325	i325IS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
															Audio Accessories:		
X	X	X		X		X	X	X	X	X	X	X	X	X	X	RLN5374	Dual Retractable Earbud	$19.99
				X		X	X	X	X	X	X	X	X	X	X	NNTN4452APDR	Smoke Translucent Earbud	$14.99
				X		X	X	X	X	X	X	X	X	X	X	NNTN4453AP	Purple Translucent Earbud	$14.99
				X		X	X	X	X	X	X	X	X	X	X	NNTN4454AP	Blue Translucent Earbud	$14.99
X	X	X		X		X	X	X	X	X	X	X	X	X	X	SYN8390	Privacy Earpiece and Microphone (i1000/i1000plus/i2000/i500plus/i700plus requires NTN8654 Adapter)	$14.99
						X		X	X	X	X	X	X	X	X	NNTN4033	Privacy Earpiece with Microphone and PTT	$19.99
X	X			X		X	X	X	X	X	X	X	X	X	X	NTN8496	Headband Style Headset (i1000/i1000plus/i2000/i500plus/i700plus requires NTN8654 Adapter)	$40.00
X	X			X		X	X	X	X	X	X	X	X	X	X	SYN8146	Over-The-Ear Style Headset (i1000/i1000plus/i2000/i500plus/i700plus requires NTN8654 Adapter)	$24.99
X	X	X		X		X	X	X	X	X	X	X	X	X	X	NTN8513	Adjustable Headset (i1000/i1000plus/i2000/i500plus/i700plus requires NTN8654 Adapter)	$66.00
X	X	X		X		X	X	X	X	X	X	X	X	X	X	RMN5000	Heavy Duty Headset (i1000/i1000plus/i2000/i500plus/i700plus requires NTN8654 Adapter)	$400.00
						X		X	X	X	X	X	X	X		NNTN5751PA	Stereo Mixing Headset with PTT (i80s/i30sx/i35s/i205/i730/i530/i305, i710/i736/i830/i860) (Resale Packaged)	$42.99
				X		X	X	X	X	X	X	X	X	X	X	NNTN5752PA	Stereo Mixing Headset Non-PTT (Resale Packaged)	$41.99
		X														FLN2800	Remote Speaker Microphone	$150.00
		X														RMN5031	Temple Transducer	$225.00
		X														RMN5032	Heavy Duty Headset	$475.00
X	X															NTN8654	Audio Adapter	$25.99
								X	X	X	X	X	X	X	X	NSN6066	Light Duty Remote Speaker Microphone	$59.99
								X					X	X	X	NNTN5208	Remote Speaker Microphone (i355/i325/i325IS)	$150.00
				X		X	X	X	X	X	X	X	X	X	X	NNTN5211	Surveillance Ear Piece	$50.00
								X	X	X	X	X	X	X	X	NNTN5004AP	PTT Headset (over the ear)	$39.99
								X	X	X	X	X	X	X	X	NNTN5005BP	PTT Headset (over the head)	$39.99
						X		X	X	X	X	X	X	X	X	NNTN5006AP	Earbud with PTT	$34.99
								X	X	X	X	X	X	X	X	NNTN5330	Mid Tier Earbud	$19.99
															Batteries:		
X	X															NTN8970	NiMH, 725 mAh, Slim Battery	$25.00
X	X															NTN1675AR	NiMH, 725 mAh, Slim Battery with Battery Door	$24.95
		X														NTN9038	NiMH, 1100 mAh Battery - Intrinsically Safe (FM)	$90.00
		X														NTN9037	NiMH, 1400 mAh, Standard Battery	$70.00
X	X															NTN8973	NiMH, 1500 mAh, Battery Door	$4.00
X	X															NTN8971BR	NiMH, 1500 mAh, Extended AA Battery	$29.99
X	X															NTN8971BP	NiMH, 1500 mAh, Extended AA Battery (Resale Packaged)	$29.99
				X		X			X		X	X				SNN5704	Li-ion, 450 mAh, Slim Battery	$44.99
						X										NTN9849	Li-ion, 450 mAh, Slim Battery Door (i90c only)	$4.50
						X										NNTN4306	Li-ion, 450 mAh Slim Battery Door (i60c only)	$4.50
						X										NNTN4274	Li-ion, 450 mAh Slim Battery Door (i95cl only)	$4.50
					X											NTN9810	Li-ion, 680 mAh, High Performance Battery	$69.99
				X		X	X	X	X		X	X	X	X		SNN5705	Li-ion, 750 mAh, High Performance Battery	$41.99
				X												NTN9344	Li-ion, 750 mAh, Battery Door	$2.50
						X										NTN9850	Li-ion, 750 mAh, High Performance Battery Door (i90c only)	$4.50
							X									NNTN4118	Li-ion, 750 mAh, High Performance Battery Door	$2.50
						X										NNTN4305	Li-ion, 750 mAh High Performance Battery Door (i60c only)	$4.50
						X										NNTN4273	Li-ion, 750 mAh High Performance Battery Door (i95cl only)	$4.50
				X			X						X	X		SNN5706	Li-ion, 1050 mAh, Extra Capacity Battery	$44.99
				X												NTN9346	Li-ion, 1050 mAh, Extra Capacity Battery Door	$2.50
				X				X			X			X		NNTN4655	Li-ion, 1300 mAh, Maximum Capacity Battery	$69.99
				X												NTN9343	Li-ion, 1300 mAh, Maximum Capacity Battery Door	$2.50
							X									NNTN4119	Li-ion, 1300 mAh, Maximum Capacity Battery Door	$2.50
														X		NNTN5605	Battery Cover - Intrinsically Safe (FM)	$6.75
										X						NNTN4930	i830 Li-ion Slim Battery	$41.99
														X		NNTN5428	Li-ion, 1250 mAh Battery - Intrinsically Safe (FM)	$79.99
										X						NNTN5195	i830 Li-ion High Performance Battery	$44.99

iDEN PORTABLE PRODUCTS

Date 1/9/06

SUGGESTED RETAIL

i500plus™/i550plus™/i700plus™/i750plus™/i85s™/i88s™/i50sx™/i55sr™/i58sr™/i80s™/i90c™/i60c™/i95cl™/i30sx™/i35s™/i205™/i305™/i315™/i355™/i530™/i730™/i710™/i830™/i836™/i850™/i760™/i860™/i560™/i930™/i325™/i325IS™

i500 plus	i550 plus	i700 plus	r750 plus	i85s i88s	i50sx i55sr i58sr	i80s	i90c i60c i95cl	i30sx i35s	i205 / i305 / i355	i730 / i710	i830 / i836	i850 / i760	i860 / i560	i930	i325	i325IS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
																	Batteries and Accessories continued:		
													X				NTN2246NEXA	i860 Extra Cap Door	$11.00
													X				NTN2246MOTA	i860 Extra Cap Door	$11.00
									X								NNTN4879	i205 High Performance Battery Door (Blue)	$3.49
									X								NNTN4898	i205 High Performance Battery Door (Charcoal)	$3.49
									X								NNTN4965	i205 High Performance Battery Door (Merlot)	$3.49
									X								NNTN4966	i205 High Performance Battery Door (Lilac)	$3.49
									X								NNTN4880	i205 Maximum Capacity Battery Door (Blue)	$3.49
									X								NNTN4899	i205 Maximum Capacity Battery Door (Charcoal)	$3.49
									X								NNTN4967	i205 Maximum Capacity Battery Door (Merlot)	$3.49
									X								NNTN4968	i205 Maximum Capacity Battery Door (Lilac)	$3.49
									X								NNTN4917	i305 Maximum Capacity Battery Door	$5.00
									X								NNTN5144	i205 Bezel (Merlot)	$14.00
									X								NNTN5145	i205 Bezel (Lilac)	$14.00
									X								NNTN5173	i205 Bezel (Blue)	$14.00
									X								NNTN5172	i205 Bezel (Charcoal)	$14.00
									X								RLN5650	i205 Faceplate with High Capacity Door (Charcoal)	$14.99
									X								RLN5651	i205 Faceplate with High Capacity Door (Blue)	$14.99
									X								RLN5637	i205 Faceplate with High Capacity Door (Lilac)	$14.99
									X								RLN5638	i205 Faceplate with High Capacity Door (Merlot)	$14.99
									X								NNTN4916	i305 Performance Battery Door	$5.00
									X								NNTN5601	i315 Battery Cover 1100 mAh	$5.50
									X								NNTN5602	i315 Battery Cover, 1350 mAh	$5.50
															X		NNTN5603	Li-ion 1100 mAh High Performance/Extra Capacity Battery Door	$5.50
															X		NNTN5604	Li-ion 1350 mAh Maximum Capacity Door	$5.50
										X							NTN2067AMOT	i530 High Performance Battery Door - Black	$5.00
										X							NTN2068AMOT	i530 High Performance Battery Door Yellow	$5.00
										X							NTN2139MOTA	i530 Maximum Door Black (Mot)	$12.00
										X							NTN2140MOTA	i530 Maximum Door Yellow (Mot)	$12.00
										X							NNTN5835	i710 Maximum Capacity Battery Door	$9.99
										X							NTN2155MOTA	i710 High Performance Battery Door	$5.50
										X							NTN2053AMOT	i730 Standard Door (Motorola Logo)	$5.50
										X							NTN2054AMOT	i730 Slim Battery Door (Motorola Logo)	$5.50
										X							NNTN5541	i730 Max Battery Door (Mot)	$9.99
											X						NTN2104AMOT	I830 Bronze Slim Battery Door (MOT)	$8.00
											X						NTN2105AMOT	I830 Bronze Standard Door (MOT)	$8.00
											X						NTN2110MOTA	i830 Motorola Silver Battery Cover with ESC Slim	$8.00
											X						NTN2111MOTA	i830 Motorola Silver Battery Cover with ESC	$8.00
													X				NTN2152MOTA	i860 Slim Battery Door (Mot)	$8.00
													X				NTN2153MOTA	i860 Standard Battery Door (Mot)	$8.00
																	Car Kits & Accessories:		
X	X																NTN9299	"Permanent Install" Car Kit	$220.00
		X															FLN2912_R	"Permanent Install" Car Kit	$350.00
							X										RLN5613	"Permanent Install" Car Kit	$260.00
				X													RLN5614	"Permanent Install" Car Kit	$260.00
				X			X										NNTN4802	"Permanent Install" Car Kit Base	$145.00
				X													NNTN4803	"Permanent Install" Car Kit Cradle	$115.00
							X										NNTN4805	"Permanent Install" Car Kit Cradle	$115.00
				X													NNTN4174	"Soft Install" Car Kit with option to use external antenna	$104.99
				X		X	X	X									NTN1796	"Soft Install" Car Kit	$99.99
									X	X	X	X	X	X	X	X	NNTN4744	"Easy Install" Car Kit	$80.00
									X	X	X	X	X	X	X	X	NNTN4744PA	"Easy Install" Car Kit (Resale Packaged)	$80.00
									X	X	X	X	X	X	X	X	NNTN4846	"Hard Install" Car Kit Base	$100.00
									X								NNTN4750	"Hard Install" Car Kit Cradle (i205)	$80.00

iDEN PORTABLE PRODUCTS

i500plus™/i550plus™/i700plus™/i750plus™/i85s™/i88s™/i50sx™/i55sr™/i58sr™/i80s™/i90c™/i60c™/i95cl™/i30sx™/ i35s™/i205™/i305™/i315™/i355™/i530™/i730™/i710™/i830™/i836™/i850™/i760™/i860™/i560™/i930™/i325™/i325IS™

i500 plus	i550 plus	i700 plus	r750 plus	i85s	i50sx i58sr i55sr	i80s	i90c i60c	i30sx i35s	i205 / i305 / i355	i730 / i710	i830 / i836	i850 / i760	i860 / i560	i930	i325	i325IS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
																	Car Kits & Accessories continued:		
									X								NNTN4752	"Hard Install" Car Kit Cradle (i305)	$80.00
										X							NNTN4753	"Hard Install" Car Kit Cradle (i530)	$80.00
										X							NNTN4751	"Hard Install" Car Kit Cradle (i730)	$80.00
											X						NNTN4999	"Hard Install" Car Kit Cradle (i830)	$85.00
													X				NNTN5000	"Hard Install" Car Kit Cradle (i860)	$85.00
															X	X	NNTN4998	"Hard Install" Car Kit Cradle (i325)	$95.00
X	X																NTN1719	Car Kit Handsfree with Holder, Remote & PTT	$150.00
							X										NTN9688	Dash Mount Car Holder with Bracket	$14.99
X	X																NTN9198	Dash Mount Car Holder with Bracket	$16.00
				X													NTN9476	Dash Mount Car Holder with Bracket	$14.99
								X									NNTN4710	Dash Mount, Sport	$14.99
									X	X	X	X	X	X	X	X	NNTN5113	Universal Dash Mount Holder	$15.99
								X	X	X	X	X	X	X	X	X	NNTN5127	Pro Install Data Port Cable	$40.00
																	Car Kit Antenna:		
X	X	X		X													RAF4136AMM	806-860 MHz, 3dB Magnetic Mount Antenna, Mini-UHF and Cable	$47.00
X	X	X		X													RRA4923	806-900 MHz, 3dB Trunk Lip Mount Stainless Steel Ant, Mini-UHF & RG58A/U Cable	$47.00
X	X	X		X													RRA4983	806-900 MHz, 3dB Roof Mount Stainless Steel Antenna, Mini-UHF & Low Loss Cable	$49.00
X	X	X		X													RRA4986	806-900 MHz, 3dB Roof Mount Black Chrome Antenna, Mini-UHF & Low Loss Cable	$42.00
																	Carry Accessories:		
X																	RLN4915	Black Soft Leather Case with Window and Detachable Swivel Clip	$12.00
X																	RLN4915AP	Black Soft Leather Case with Window and Detachable Swivel Clip (Resale Packaged)	$12.00
	X																RLN4926	Black Soft Leather Case with Window and Detachable Swivel Clip	$15.00
	X																RLN4926AP	Black Soft Leather Case with Window and Detachable Swivel Clip (Resale Packaged)	$15.00
	X																RLN4927AP	Black Soft Leather Case with Detachable Swivel Clip - No Window (Resale Packaged)	$15.00
	X																NTN9151	Black Soft Leather Case with Window and Belt Clip	$15.00
	X																NTN9151AP	Black Soft Leather Case with Window and Belt Clip (Resale Packaged)	$15.00
X																	NTN8981	Black Soft Leather Case with Window and Belt Clip	$15.00
X																	NTN8981AP	Black Soft Leather Case with Window and Belt Clip (Resale Packaged)	$15.00
				X													NTN9478	Black Soft Leather Case with Open Keypad and Detachable Swivel Clip (i85s only)	$9.50
				X													NTN9479	Black Soft Leather Case with Window and Detachable Swivel Clip (i85s only)	$9.50
				X													NTN9804	Black Soft Leather Case with Open Keypad and Detachable Swivel Clip (i50sx & i55sr only)	$9.50
				X													NTN9805	Black Soft Leather Case with Window and Detachable Swivel Clip (i50sx & i55sr only)	$9.50
							X										RLN5336	Black Leather Pouch with Standard Clip	$9.99
				X	X			X									RLN5227	Black Leather Pouch with Standard Clip	$9.99
				X	X			X									RLN5227AP	Black Leather Pouch with Standard Clip (Resale Pkg)	$9.99
								X									RLN5471	Leather Case with Open Keypad, Detachable Swivel Clip	$9.99
								X									RLN5472	Leather Case with Open Keypad and Display, Detachable Swivel Clip	$9.99
					X												NTN1823	Leather Case with Detachable Swivel Clip	$14.99
									X								RLN5661	Hard Leather Pouch with D/Lock (i305)	$19.99
										X							RLN5636	Leather Case (i530)	$9.99
										X							RLN5636AP	Leather Case (i530) (Resale Packaged)	$10.99
									X								RLN5639	Leather Case (i205)	$9.99
										X							RLN5653	Leather Case (i730)	$9.99
										X							RLN5653AP	Leather Case (i730) (Resale Packaged)	$10.99
											X						RLN5687	Leather Case (i830)	$11.00
											X						RLN5687AP	Leather Case (Resale Packaged)	$12.00

iDEN PORTABLE PRODUCTS

Date 1/9/06

SUGGGESTED RETAIL

i500plus™/i550plus™/i700plus™/i750plus™/i85s™/i88s™/i50sx™/i55sr™/i58sr™/i80s™/i90c™/i60c™/i95cl™/i30sx™/ i35s™/i205™/i305™/i315™/i355™/i530™/i730™/i710™/i830™/i836™/i850™/i760™/i860™/i560™/i930™/i325™/i325IS™

i500 plus	i550 plus	i700 plus	r750 plus	i85s i88s	i50sx i55sr i58sr	i80s	i90c i60c i95cl	i35s	i205 i305	i530 i730 i710	i830 i836	i850 i760	i860 i560	i930	i325	i325IS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
																	Carry Accessories contined:		
													X				RLN5715	Molded Brown Leather Carry Case (i860)	$14.00
													X				RLN5731	Molded Black Leather Carry Case (i860)	$14.00
													X				RLN5731AP	Molded Black Leather Carry Case (Resale Packaged)	$15.00
															X	X	RLN5689	Functional Nylon Case with D Lock	$16.00
									X								RLN5660	Functional Leather Carry Case with D Lock (i305)	$24.50
							X										RLN5481	Flip-Style Leather Case with Detachable Swivel Clip (i60c only)	$9.99
							X										RLN5334	Flip-Style Leather Case with Detachable Belt Clip (i90/i95cl)	$9.99
										X	X		X				RLN5733	Vertical Black Leather Pouch (i710/i730/i830/i860)	$17.00
X	X																RLN5050	"Shark Skin" Neoprene Case with Detachable Swivel Clip	$15.00
				X													NNTN4590AP	Blue Villas Case	$14.99
								X									NNTN4588BP	Black Villas Case	$14.99
				X													NNTN4591AP	Black Villas Case	$14.99
				X													NNTN4592AP	Purple Villas Case	$14.99
							X										NNTN4618	Clear Translucent Holster (i95cl only)	$9.99
							X			X	X		X				RLN5830	Women's Carrying Case with Strap	$19.99
						X											NTN1824	Belt Carry System - Phone Clip (NTN9835) and Belt Clip (NTN9544)	$6.99
				X													NTN9475	Belt Carry System - Phone Clip (NTN9545) and Belt Clip (NTN9544)	$5.99
				X		X	X	X									NTN9544	Detachable Belt Clip Replacement for NTN9475, NTN9478, NTN9479, NTN9804, NTN9805, RLN5334 & NTN1987	$3.00
						X											NTN9835	Phone Clip	$5.99
				X													NTN9545	Phone Clip Replacement for Belt Carry System NTN9475	$3.00
										X	X		X				RLN5732	Vertical Black Nylon Pouch	$16.00
X	X																RLN4918	Nylon Pouch	$17.00
								X									NTN1987	Holster, Swivel Clip	$9.99
							X										NTN9952	Holster, Swivel Locking Clip (i95cl only)	$9.99
							X										NTN9687	Holster, Swivel Locking Clip (i90c/i60c)	$9.99
X	X																NTN9152	Holster, Swivel Belt Clip	$9.99
X	X																NTN9152BP	Holster, Swivel Belt Clip (Resale Packaged)	$9.99
									X								NNTN4681	Holster (i205)	$9.99
									X								NNTN5907	Swivel Carry Holster (i305/i315)	$9.99
										X							NNTN4756	Swivel Carry Holster (i530)	$9.99
									X								NNTN4681PA	Carry Holster (i205) (Resale Packaged)	$9.99
									X								NNTN5907RA	Carry Holster (i305/i315) (Resale Packaged)	$9.99
											X						NNTN4756BP	Carry Holster (i530) (Resale Packaged)	$9.99
										X							NNTN4682	Carry Holster (i730)	$9.99
											X						NNTN4682PB	Carry Holster (i730) (Resale Packaged)	$9.99
										X							NNTN5141	Carry Holster (i730/i710)	$9.99
										X							NNTN5141PA	Carry Holster (i730/i710) (Resale Packaged)	$9.99
											X						NNTN5002	Carry Holster (i830)	$9.99
											X						NNTN5002PA	Carry Holster (i830) (Resale Packaged)	$9.99
													X				NNTN5003	Carry Holster (i860)	$9.99
													X				NNTN5003PB	Carry Holster (i860) (Resale Packaged)	$9.99
													X				NNTN5932	Carry Holster (i860) Clear	$9.99
															X	X	NNTN5210	Carry Holster (i325)	$10.99
											X						NNTN5836	Clear Carry Holster	$9.99
		X															HLN9844	2" Spring Belt Clip	$11.50
X	X																RLN5036	Detachable Swivel Clip Replacement	$3.00
																	Chargers and Accessories:		
		X															NTN1781	Rapid Charger with US Plug	$40.00
X	X																NTN1680	Rapid Charger with US Plug	$25.00
X	X																NTN1680AP	Rapid Charger with US Plug (Resale Packaged)	$25.00
				X		X	X	X									NNTN4250	Rapid Travel Charger with US Plug	$19.99
		X															RLN5371	6 Pocket Multi Unit Charger	$500.00
									X						X	X	NNTN5209	6 Pocket Multi Unit Charger (i315/i355/i325/i325IS)	$299.00

iDEN PORTABLE PRODUCTS

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SUGGESTED RETAIL

i500plus™/i550plus™/i700plus™/i750plus™/i85s™/i88s™/i50sx™/i55sr™/i58sr™/i80s™/i90c™/i60c™/i95cl™/i30sx™/i35s™/i205™/i305™/i315™/i355™/i530™/i730™/i710™/i830™/i836™/i850™/i760™/i860™/i560™/i930™/i325™/i325IS™

i500 plus	i550 plus	i700 plus	r750 plus	i85s / i88s	i50sx / i55sr / i58sr	i80s	i90c / i60c / i95cl	i30sx / i35s	i205 / i305 / i315 / i355	i530 / i730	i710 / i830	i836	i850 / i760	i860 / i560	i930	i325	i325IS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
																		Chargers and Accessories continued:		
				X		X	X	X	X	X	X	X	X	X	X	X	X	NNTN5225	Battery Only Charger	$29.99
				X		X	X	X	X	X	X	X	X	X	X	X	X	NNTN5225PA	Battery Only Charger (Resale Packaged)	$29.99
			X															NTN1809	Desktop Rapid Charger with US Plug	$115.00
				X			X	X										NNTN4120	Dual Pocket Desktop Charger	$45.00
						X												NPN6225	Dual Pocket Desktop Charger	$59.99
									X	X								NTN2043	Dual Pocket Desktop Charger	$50.00
									X							X	X	NTN2103	Dual Pocket Desktop Charger (i355/i325/i325IS)	$50.00
											X		X					NTN2073	Dual Pocket Desktop Charger (i830/i836/i860)	$55.00
											X		X					NTN2073PA	Dual Pocket Desktop Charger (i830/i836/i860) (Resale Packaged)	$55.00
													X					NNTN5918PA	Dual Pocket Desktop Charger Baby PHAT (i830/i836/i860) (Resale Packaged)	$70.00
									X	X						X	X	NTN2043PA	Dual Pocket Desktop Charger Kit (Resale Packaged)	$50.00
									X		X	X	X	X	X	X	X	NNTN4963	Wall Mount Charger - Black	$29.99
				X		X	X	X										SPN4940	Travel Charger - Mid Rate - Multi-Volt	$14.99
X	X							X										SPN4474	Travel Charger 110 Volt Standard	$10.00
				X		X	X	X										NPN6442AP	Blue Translucent Battery Only Charger	$24.99
				X		X	X	X										NPN6441CPDR	Smoke Translucent Battery Only Charger	$24.99
				X		X	X	X										NNTN4448APDR	Smoke Translucent Vehicular Power Adapter	$24.99
				X		X	X	X										NNTN4449AP	Purple Translucent Vehicular Power Adapter	$24.99
				X		X	X	X										NNTN4447AP	Clear Translucent Vehicular Power Adapter	$24.99
X	X																	NTN8978	Vehicular Power Adapter - Rapid	$25.00
X	X																	NTN8978AP	Vehicular Power Adapter (Resale Packaged)	$25.00
				X		X	X	X										SYN7818	Vehicular Power Adapter	$24.99
				X		X	X	X										SYN7818AP	Vehicular Power Adapter (Resale Packaged)	$24.99
			X															NTN9034	Vehicular Power Adapter	$30.00
									X	X	X	X	X	X	X	X	X	NNTN6343	Vehicular Battery Charger	$25.00
									X	X	X	X	X	X	X	X	X	NNTN4679PA	Vehicular Power Adapter (Resale Packaged)	$24.99
									X	X	X	X	X	X	X	X	X	NNTN4680	Wall Mount Charger	$29.99
									X	X	X	X	X	X	X	X	X	NNTN4680PA	Wall Mount Charger (Resale Packaged)	$29.99
									X	X	X	X	X	X	X	X	X	NNTN4841	3 Hour Charger	$25.00
																		Battery Optimizing System:		
X	X	X		X			X	X										WPLN4124_R	Battery Optimizing System II (BOS II) - 90-240 Volt AC, 50/60 Hz, 4 Station Reconditioner. Provides powerful analyzing and reconditioning features. Includes 12 resident programs, a QuickTest™ diagnostic battery state of health program, programmable adapter plates, and much more. Supports NiCd, NiMH, Li-ion and SLA batteries.	$2,106.00
																		Battery Maintenance System:		
X	X	X		X			X	X										WPLN4079_R	Battery Maintenance System Plus (BMS+) - 110 Volt AC, 50/60 Hz - Six Station Reconditioner. Using interchangeable adapter plates (sold separately), the BMS+ is capable of charging and discharging, analyzing, conditioning, cycle testing, and more. Supports NiCd, NiMH and Li-ion battery chemistries.	$650.00
																		Ring Tones & Games:		
							X											NNTN5176	R&B / RAP Ringtones Mobile Software Card	$37.45
							X											NNTN5177	Movie Themes Ringtones Mobile Software Card	$37.45
							X											NNTN5178	Rock and Roll Ringtones Mobile Software Card	$37.45
							X											NNTN5179	Pop Rock Ringtones Mobile Software Card	$37.45
									X	X	X		X		X	X		NNTN5435	R&B / Rap Ringtone (not compatible with i355)	$37.45
									X	X	X		X		X	X		NNTN5436	TV / Movie Themes	$37.45
									X	X	X		X		X	X		NNTN5437	Rock Ring Tones	$37.45
									X	X	X		X		X	X		NNTN5438	Pop Ring Tones	$37.45
				X			X											NNTN5180	Grayscale Games Mobile Software Card (i90c/i88s only)	$49.95
							X											NNTN5181	Color Games Mobile Software Card 1 (i95cl only)	$49.95
							X											NNTN5182	Color Games Mobile Software Card 2 (i95cl only)	$49.95
							X											NNTN5183	Color Games Mobile Software Card 3 (i95cl only)	$49.95
									X	X	X		X		X	X		NNTN5776	Nature Scenes/Animals Wallpapers Digital Card	$7.49
									X	X	X		X		X	X		NNTN5783	FOX Sports Games Digital Card	$9.99
									X	X	X		X		X	X		NNTN5784	True Crime: Streets of LA Digital Card	$7.99
									X	X	X		X		X	X		NNTN5785	Game Variety Pack Digital Card	$9.99

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SUGGGESTED RETAIL

i500plus™/i550plus™/i700plus™/i750plus™/i85s™/i88s™/i50sx™/i55sr™/i58sr™/i80s™/i90c™/i60c™/i95cl™/i30sx™/ i35s™/i205™/i305™/i315™/i355™/i530™/i730™/i710™/i830™/i836™/i850™/i760™/i860™/i560™/i930™/i325™/i325IS™

i500 plus	i550 plus	i700 plus	r750 plus	i50sx i85s	i55sr i58s	i80s	i90c i60c	i95cl	i30sx i35s	i205/i305	i355/i530	i730/i710	i830/i836	i850/i760	i860/i560	i930	i325	i325IS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
																			Data Accessories:		
				X		X	X	X											NNTN4007	USB Data Cable with In-Line Charging Port	$24.99
				X		X	X	X											NNTN4049	USB Data Cable	$15.99
										X		X		X	X	X			NKN6559	USB Data Cable	$19.99
										X		X		X	X	X			NKN6560	RS232 Data Cable	$27.99
										X		X	X	X	X	X	X	X	NNTN5405	USB Data Cable (Charging)	$21.50
										X		X	X	X	X	X	X	X	NNTN5406	RS232 Data Cable (Charging)	$29.99
				X															NNTN4857	Barcode Scanner	$249.00
X	X																		NKN6522	Data & Programming Cable	$49.99
				X		X	X												NKN6544	Data & Programming Cable	$29.99
X	X	X		X		X	X	X											RLN5319	iTRAK -GPS Tracking System (Mobile Mount)	$349.00
				X		X	X	X											NTN2040AP	Mini Keyboard	$39.99
										X		X	X	X	X	X	X	X	NTN2074	Mini Keyboard	$45.00
																			PowerSwipe™:		
				X															RLN5593	PowerSwipe™ Wireless Point of Sale Device	$249.00
				X															RLN5603	Nylon Pouch	$19.99
				X															RLN5604	Nylon Case	$19.99
				X															RLN5599	Leather Case	$19.99
				X															HK1047	PowerSwipe™ Sales Demo Kit (Includes PowerSwipe, Nylon Pouch, Printer, & 6 Rolls of Paper)	$500.00
				X															RLN5600	Citizen™ Wireless Printer	$250.00
				X															RLN5621	Citizen™ Printer Paper (quantity 5 rolls)	$5.00
																			Faceplates/Keypads:		
									X										7585622D04	Silver Keypad	$4.50
									X										RLN5418	Burgundy Faceplate for i30SX	$14.99
									X										RLN5418AP	Burgundy Faceplate for i30SX (Resale Packaged)	$14.99
									X										RLN5419	i30sx Astro Blue Faceplate	$14.99
									X										RLN5419AP	i30sx Astro Blue Faceplate	$14.99
									X										RLN5420	i30sx Black Faceplate	$14.99
									X										RLN5420AP	i30sx Black Faceplate	$14.99
									X										RLN5421	i30sx Stainless Faceplate	$14.99
									X										RLN5421AP	i30sx Stainless Faceplate	$14.99
									X										RLN5422	i30sx Purple Faceplate	$14.99
									X										RLN5422AP	i30sx Purple Faceplate	$14.99
									X										RLN5425	i30sx Poppy Red Faceplate	$14.99
									X										RLN5425AP	i30sx Poppy Red Faceplate	$14.99
																			General Accessories:		
									X										NNTN4353	Battery Eliminator	$375.00
				X		X	X	X	X	X		X			X	X			NTN2190PA	Florida iDENtifier 3 Piece Set	$9.99
				X		X	X	X	X	X		X			X	X			NTN2191PA	Tennessee iDENtifier 3 Piece Set	$9.99
				X		X	X	X	X	X		X			X	X			NTN2192PA	Kentucky iDENtifier 3 Piece Set	$9.99
				X		X	X	X	X	X		X			X	X			NTN2193PA	North Carolina iDENtifier 3 Piece Set	$9.99
				X		X	X	X	X	X		X			X	X			NTN2194PA	Oklahoma iDENtifier 3 Piece Set	$9.99
				X		X	X	X	X	X		X			X	X			NTN2195PA	Florida State iDENtifier 3 Piece Set	$9.99
				X		X	X	X	X	X		X			X	X			NTN2196PA	Alabama iDENtifier 3 Piece Set	$9.99
				X		X	X	X	X	X		X			X	X			NTN2197PA	Arkansas iDENtifier 3 Piece Set	$9.99
				X		X	X	X	X	X		X			X	X			NTN2198PA	Michigan iDENtifier 3 Piece Set	$9.99
				X		X	X	X	X	X		X			X	X			NTN2199PA	Texas iDENtifier 3 Piece Set	$9.99
				X		X	X	X	X	X		X			X	X			NTN2200PA	Nebraska iDENtifier 3 Piece Set	$9.99
				X		X	X	X	X	X		X			X	X			NTN2201PA	Ohio State iDENtifier 3 Piece Set	$9.99
				X		X	X	X	X	X		X			X	X			NTN2202PA	Miami iDENtifier3 Piece Set	$9.99
				X		X	X	X	X	X		X			X	X			NTN2203PA	Georgia iDENtifier 3 Piece Set	$9.99
				X		X	X	X	X	X		X			X	X			NTN2204PA	Kansas iDENtifier 3 Piece Set	$9.99
				X		X	X	X	X	X		X			X	X			NTN2205PA	Texas A&M iDENtifier 3 Piece Set	$9.99

iDEN PORTABLE PRODUCTS

i500plus™/i550plus™/i700plus™/i750plus™/i85s™/i88s™/i50sx™/i55sr™/i58sr™/i80s™/i90c™/i60c™/i95cl™/i30sx™/ i35s™/i205™/i305™/i315™/i355™/i530™/i730™/i710™/i830™/i836™/i850™/i760™/i860™/i560™/i930™/i325™/i325IS™

i500 plus	i550 plus	i700 plus	r750 plus	i85s i88s	i50sx i55sr	i80s	i90c i60c	i30sx i35s	i205 / i305	i315 / i355	i730 / i710	i830 / i836	i850 / i760	i860 / i560	i930	i325	i325IS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
																		General Accessories continued:		
				X	X	X	X	X	X	X		X		X	X			NTN2206PA	Duke iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NTN2207PA	Auburn iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NTN2208PA	Notre Dame iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NTN2209PA	Penn State iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NTN2210PA	Oklahoma State iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NTN2211PA	Kansas State iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NTN2212PA	Missouri iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NTN2213PA	Cincinnati iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NTN2214PA	LSU iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NTN2178PA	Mexico iDENtifier 3 Piece Set	$8.99
				X	X	X	X	X	X	X		X		X	X			NTN2176PA	Puerto Rico iDENtifier 3 Piece Set	$8.99
				X	X	X	X	X	X	X		X		X	X			NTN2180PA	Argentina iDENtifier 3 Piece Set	$8.99
				X	X	X	X	X	X	X		X		X	X			NTN2179PA	Colombia iDENtifier 3 Piece Set	$8.99
				X	X	X	X	X	X	X		X		X	X			NTN2177PA	Brazil iDENtifier 3 Piece Set	$8.99
				X	X	X	X	X	X	X		X		X	X			NTN2215PA	USA iDENtifier 3 Piece Set	$8.99
				X	X	X	X	X	X	X		X		X	X			NTN2216PA	Jamaica iDENtifier 3 Piece Set	$8.99
				X	X	X	X	X	X	X		X		X	X			NTN2217PA	Italy iDENtifier 3 Piece Set	$8.99
				X	X	X	X	X	X	X		X		X	X			NTN2218PA	Dominican Republic iDENtifier 3 Piece Set	$8.99
				X	X	X	X	X	X	X		X		X	X			NTN2219PA	Ireland iDENtifier 3 Piece Set	$8.99
				X	X	X	X	X	X	X		X		X	X			NTN2220PA	Canada iDENtifier 3 Piece Set	$8.99
				X	X	X	X	X	X	X		X		X	X			NTN2240PA	Cuba iDENtifier 3 Piece Set	$8.99
				X	X	X	X	X	X	X		X		X	X			NNTN5073	Arizona Cardinals iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5074	Atlanta Falcons iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5075	Baltimore Ravens iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5076	Buffalo Bills iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5077	Carolina Panthers iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5078	Chicago Bears iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5079	Cincinnati Bengals iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5080	Cleveland Browns iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5081	Dallas Cowboys iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5082	Denver Broncos iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5083	Detroit Lions iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5084	Green Bay Packers iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5085	Houston Texans iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5086	Indianapolis Colts iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5087	Jacksonville Jaguars iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5088	Kansas City Chiefs iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5089	Miami Dolphins iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5090	Minnesota Vikings iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5091	New England Patriots iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5092	New Orleans Saints iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5093	New York Giants iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5094	New York Jets iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5095	Oakland Raiders iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5096	Philadelphia Eagles iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5097	Pittsburgh Steelers iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5098	San Diego Chargers iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5099	San Francisco 49ers iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5100	Seattle Seahawks iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5101	St. Louis Rams iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5102	Tampa Bay Buccaneers iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5103	Tennessee Titans iDENtifier 3 Piece Set	$9.99
				X	X	X	X	X	X	X		X		X	X			NNTN5104	Washington Redskins iDENtifier 3 Piece Set	$9.99

iDEN PORTABLE PRODUCTS

i500plus™/i550plus™/i700plus™/i750plus™/i85s™/i88s™/i50sx™/i55sr™/i58sr™/i80s™/i90c™/i60c™/i95cl™/i30sx™/ i35s™/i205™/i305™/i315™/i355™/i530™/i730™/i710™/i830™/i836™/i850™/i760™/i860™/i560™/i930™/i325™/i325IS™

i500plus	i550plus	i700plus	r750plus	i85s / i88s	i50sx / i55sr	i80s	i90c / i60cl	i35s	i30sx	i205 / i305	i315 / i355	i730 / i710	i830 / i836	i850 / i760	i860 / i560	i930	i325	i325IS	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
																			General Accessories continued:		
				X		X	X	X	X	X	X	X	X		X		X	X	NNTN5688PA	Mono Universal iDENtifier Case	$19.99
				X					X	X	X	X	X	X	X	X	X	X	NNTN5689PA	iDENtifier PTT Earbud	$19.99
				X		X	X	X	X	X	X	X	X	X	X	X	X	X	NNTN5071PA	Postponable Earbud, Black, Moto	$19.99
										X									NNTN5681PA	Form Fitted iDENtifier Case (i530)	$19.99
										X									NNTN5682PA	Form Fitted iDENtifier Case (i730)	$19.99
									X	X	X	X	X	X	X	X	X	X	NNTN5198PA	iDENtifier VBC	$29.99
				X		X	X	X											NNTN5227PA	iDENTifiers VBC - Condor Platform	$29.99
							X			X	X	X	X	X					NTN2221PA	Rugged Universal Small Pouch - Yellow (Resale Packaged)	$29.99
				X		X											X	X	NTN2223PA	Rugged Universal Large Pouch - Yellow (i325/i315/i305/i355/i80s/ i85s/i88s/i50sx/i58sr/i30sx/i35x) (Resale Packaged)	$29.99
							X			X	X	X	X	X					NTN2224PA	Rugged Universal Small Pouch - Blue (Resale Packaged)	$29.99
				X				X	X								X	X	NTN2226PA	Rugged Universal Large Pouch - Blue (i325/i315/i305/i355/i80s/i85s/i88s, i50sx/i58sr/i30sx/i35x) (Resale Packaged)	$29.99
							X			X	X	X	X	X					NTN2227PA	Rugged Universal Small Pouch - Black (Resale Packaged)	$29.99
				X				X	X								X	X	NTN2229PA	Rugged Universal Large Pouch - Black (i325/i315/i305/i355/i80s/i85s/i88s, i50sx/i58sr/i30sx/i35x) (Resale Packaged)	$29.99
										X									NTN2230PA	Construction Line Functional Case with D-Post Belt Clip - Yellow (i530)	$34.99
										X									NTN2231PA	Construction Line Functional Case with D-Post Belt Clip - Black (i530)	$34.99
										X									NTN2232PA	Construction Line Functional Case with D-Post Belt Clip - Yellow (i730)	$34.99
										X									NTN2233PA	Construction Line Functional Case with D-Post Belt Clip - Black (i730)	$34.99
				X															NTN2234PA	Construction Line Functional Case with D-Post Belt Clip - Yellow (i55sr/i58sr)	$34.99
				X															NTN2235PA	Construction Line Functional Case with D-Post Belt Clip - Black (i55sr/i58sr)	$34.99
									X										NTN2236PA	Construction Line Functional Case with D-Post Belt Clip - Yellow (i305/i315)	$34.99
									X										NTN2237PA	Construction Line Functional Case with D-Post Belt Clip - Black (i305/i315)	$34.99
				X		X	X	X											NNTN5748PA	Construction Line Vehicle Power Adapter	$29.99
									X	X	X	X	X	X	X	X	X	X	NNTN5749PA	Construction Line Vehicle Power Adapter	$29.99

iDEN™ MOBILE PRODUCTS

Date 1/9/06

SUGGESTED RETAIL

m100™/m370™/m470™/LM100™/LM2000™/c370™/c470™

m100	m370	m470	LM100	LM2000	c370	c470	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
							Antennas:		
X	X	X	X	X	X	X	HAF4002	806-900 MHz, 1/4 Wave Roof Mount Antenna	$14.00
X	X	X	X	X	X	X	RAF4136AMM	806-860 MHz, 3dB Magnetic Mount Antenna, Mini-UHF and Cable	$47.00
X	X	X	X	X	X	X	RRA4921	806-900 MHz, 3dB Magnetic Mount Stainless Steel Antenna	$47.00
X	X	X	X	X	X	X	RRA4976	806-900 MHz, 3dB Magnetic Mount Black Chrome Antenna	$42.00
X	X	X	X	X	X	X	RRA4914	806-900 MHz, 3dB Roof Mount Stainless Steel Antenna	$38.00
X	X	X	X	X	X	X	RRA4983	806-900 MHz, 3dB Roof Mount Stainless Steel Antenna, Mini-UHF & Low Loss Cable	$49.00
X	X	X	X	X	X	X	RRA4986	806-900 MHz, 3dB Roof Mount Black Chrome Antenna, Mini-UHF & Low Loss Cable	$42.00
X	X	X	X	X	X	X	RRA4990	806-900 MHz, 3dB Roof Mount Black Chrome Antenna	$33.00
X	X	X	X	X	X	X	RRA4923	806-900 MHz, 3dB Trunk Lip Mount Stainless Steel Ant, Mini-UHF & RG58A/U Cable	$47.00
							Audio Acessories:		
X	X	X	X	X	X	X	FLN2270	Handset (m370/m470/LM2000/c370/c470 Only)	$412.00
X	X	X	X	X			HMN4058	Compact Microphone (m100/LM100 Only)	$40.00
X	X	X	X	X			FMN1611	Visor Microphone	$22.00
X	X	X	X	X	X	X	NTN8378	Hang-Up Cup for Handset (m370/LM2000/c370/c470 Only)	$14.00
X	X	X	X	X			HSN4029	5.5" Dash Mount Speaker (m100/LM100 Only)	$55.00
X	X	X	X	X	X	X	HSN4030	5.5" Remote Mount Speaker (m370/m470/LM2000/c370/c470 Only)	$55.00
							Cables:		
X	X	X	X	X	X		HKN6123	Replacement Cable, Connects Handset to Desktop Cradle (m370/m470/LM2000 Only)	$117.00
							Miscellaneous:		
X	X	X	X	X	X		FLN8212	Radio Bracket	$17.00
							Service Aids:		
X	X	X	X	X	X	X	RLN4008	Radio Interface Box (RIB)	$200.00
X	X	X	X	X	X	X	0180357A57	RIB Power Supply, 120V	$24.25
X	X	X	X	X	X	X	3080369B72	9 Pin PC to Radio Interface Box Cable (IBM AT or compatible)	$52.00