

**PM1500™**

**MOBILE**

VHF and UHF Models

All PM1500 Models include:

- Standard Palm Microphone (HMN1090)
- Standard Mounting Brackets (HKN6186, HLN6909 & 5564610H02)
- Standard 7.5 Watt External Speaker (HSN4038)
- Standard 20 Ft. Power Cable (HKN4192)
- Standard 17 Ft. Remote Mount Cable (HKN6169)
- Ignition Sense / Control Head Cable (HKN6188)
- User's Guide CD
- Two Year Warranty



Features:

- 255 Channels
- 12.5/25 kHz Switchable Channel Spacing (VHF/UHF)
- 8 Character Alphanumeric Display
- 4 Programmable Buttons
- P25 Conventional Upgradeable (Q3 06')
- Dual Priority Scan
- Emergency Button

Programmable Buttons:

- Repeater Talkaround
- Scan
- Squelch Control
- High / Low Power
- Monitor
- Emergency
- Nuisance Channel Delete
- Backlight Control
- Radio Call
- Mute

Signaling Features:

- 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 (Decode)
- MDC1200 Emergency (Encode/Decode)
- Quik Call II (Encode/Decode)
- DTMF Telephone Interconnect (Encode/Decode)
- DTMF PTT ID (Encode/Decode)
- DTMF Call Alert (Encode/Decode)
- DTMF Selective Call (Encode/Decode)

The following frequencies are not allowed:

136.700	148.9875	407.425
139.775	153.600	409.600
142.850	160.000	417.71875
144.0125	161.150	435.200
145.925	384.000	460.800

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MANUF. SUGG. RETAIL PRICE
136-174 MHz	VHF	25-110W	255	AAM79KTD9PW5_N	\$1,800
380-470 MHz	UHF	25-110W	255	AAM79QTD9PW5_N	\$1,900

MODEL NUMBER	DESCRIPTION	MANUF SUGG RETAIL PRICE
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**Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP**

**STEP 1:**

**Microphone Choices:**

STDMIC0483	Standard Palm Microphone (HMN1090)	N/C
W20	Enhanced Keypad Microphone (HMN4079)	\$180.00
G90	Omit Microphone	-\$25.00

**STEP 2:**

**Speaker Choices:**

STDSSPK0483	Standard 7.5 Watt Speaker (HSN4038)	N/C
W432	13 Watt Speaker (HSN4039)	\$11.00
G142	Omit Speaker	-\$20.00

**STEP 3:**

**Power Cable Choices:**

STDCBL0483	Standard Power Cable (HKN4192)	N/C
B161	Omit Standard Power Cable	-\$10.00

**STEP 4:**

**Bracket Choices:**

STDBKT0483	Standard Mounting Brackets (HKN6186, HLN6909, 5564610H02)	N/C
B65	Omit Mounting Brackets	-\$30.00

**STEP 5:**

**Remote Mount Cable Choices:**

STDRMC0483	Standard 17 Ft. Remote Mount Cable (HKN6169)	N/C
G618	10 Ft. Remote Mount Cable (HKN6170)	-\$5.00
G610	30 Ft. Remote Mount Cable (HKN6168)	\$7.00
G609	50 Ft. Remote Mount Cable (HKN6167)	\$15.00
G607	75 Ft. Remote Mount Cable (HKN6166)	\$23.00
G879	115 Ft. Remote Mount Cable (HKN6165)	\$45.00
G582	131 Ft. Remote Mount Cable (HKN6164)	\$61.00

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
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**General Options:**

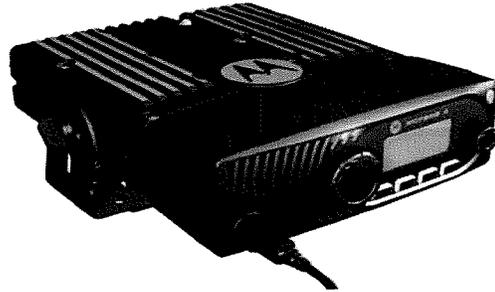
G400	Express Service Plus Plan (ESP) 1 Year - Provides for 1 year of extended hardware repair coverage beginning after the standard warranty period. Repairs will be made at the Radio Support Center in Elgin, Illinois. The customer pays for inbound shipping. No discounts are allowed on this option.	\$53.00
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

**XTL™ 1500  
ASTRO® Digital Mobile  
VHF / UHF / 700 MHz / 800 MHz Conventional**

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**All XTL 1500 models include:**

- Palm Microphone (HMN1090)
- Internal Speaker
- 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. Trunking capable mobiles are only available through Above the Pricebook (APB)**

**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. A System Software Package (G790 or G966) **MUST** be ordered for each radio unit ordered.
3. The XTL 1500 radio also includes an internal speaker.
4. Any additional accessories that are required can be ordered as an option or accessory.
5. A software enhanced version of the system software package can be ordered as an option if customers require any of the capacity and feature capabilities described in the chart on the next page.

**OPERATING MODES**

Capable of operation in voice communication modes:

- **P25 Conventional (G790)**
- **P25 Conventional Enhanced (G966)**

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.

**XTL™ 1500**  
**ASTRO® Digital Mobile**  
**VHF / UHF / 700 MHz / 800 MHz Conventional**

Enhancements to a DIGITAL system include: 255 channels, ADP, Data Capability, 20 call lists, 25 call list members, and 20 scan lists.

**Radio Features:**

<b>SOFTWARE FEATURES SUPPORTED:</b>	<b>Digital Conventional G790</b>
<b>RADIO WIDE FEATURES</b>	
48 Modes / Channels	Yes
Digital Operation	Yes
12.5/20/25 kHz Programmable Channels	Yes
Secure Capable	
*ADP supported when Software Enhancement Package is ordered (see corresponding matrix).	No*
One Touch Operation	Yes
Radio Wide Transmit Inhibit	Yes
Time Out Timer	Yes
FLASHport	Yes
<b>ANALOG CONVENTIONAL FEATURES</b>	
CSQ/PL/DPL	Yes
Dual Priority Channel Scan	Yes
Repeater / Talkaround Operation	Yes
Scan (Auto, Pre-programmed)	Yes
Monitor	Yes
DTMF Tone Generation	Yes

<b>DIGITAL CONVENTIONAL SIGNALING FEATURES</b>	
<b>Features when used in the ASTRO Digital CAI Mode</b>	
	<b>Digital Conventional G790</b>
Unaddressed Voice Call	Yes
Talk Group Call	Yes
Group Call Alert™	Yes
Talk Group Identification (TGID)	Yes
Selective Call (Individual Voice Call)	Yes
Selective Call Decode (Individual Voice Call)	Yes
PTT ID (Individual Identification)	Yes
Call Alert Encode / Decode	Yes
Emergency Alarm with Channel Revert & Acknowledge	Yes
Telephone Interconnect Unlimited (Decode)	Yes
Unlimited	Yes
Selective Radio Inhibit	Yes
Radio Check	Yes
Status / Message	Yes
Adaptive Power Control	Yes
Smart PTT	Yes
SmartZone Omnilink	Yes

**Software Features with Enhanced Package:**

<b>"ADDITIONAL" FEATURES / CAPABILITIES SUPPORTED WITH SOFTWARE ENHANCEMENT PACKAGE</b>	
	<b>Digital Conventional G966</b>
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.	Yes
Data	Yes

**XTL™ 1500**  
**ASTRO® Digital Mobile**  
**VHF / UHF / 700 MHz / 800 MHz Conventional**

**SUGGESTED RETAIL 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
764-870 MHz	700/800 MHz	48	35W	M28URS9PW1_N	\$1,600.00

FCC INFORMATION: AZ492FT3805 (VHF) / AZ492FT4862 (UHF) / AZ492FT5823 (700/800 MHz)

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
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**Options:**

**Software Package Options: EACH MODEL MUST BE ORDERED WITH A SOFTWARE PACKAGE OPTION**

G790	P25 Conventional	\$130.00
G966	P25 Conventional Enhanced	\$330.00

**Antenna Options: EACH MODEL MUST BE ORDERED WITH AN ANTENNA OPTION**

**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

**700 / 800 MHz**

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	No Antenna Required	N/C

Options continued on next page.

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# XTL™ 1500 ASTRO® Digital Mobile

**SUGGESTED RETAIL****OPTIONS**

MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
<b>Alarm Options:</b>		
W116	External Alarm Relays and Cable (for either Horn or Lights - NOT both) (TLN4533 & HKN4258)	\$75.00
<b>Emergency Options:</b>		
W470	External Emergency Footswitch (HLN5113)	\$56.00
W688	External Emergency Pushbutton (HLN5131)	\$56.00
<b>Control Station Options:</b>		
G91	Control Station Power Supply (HPN4007)	\$269.00
G798	Control Station Base Mount (HLN6925)	\$48.00
<b>Microphone Options:</b>		
W382	Control Station Microphone (HMN1050)	\$169.00
W20	Keypad Microphone - GCAI (HMN4079)	\$180.00
<b>Speaker Options:</b>		
B18	Auxiliary 5W Speaker (HSN4031)	\$60.00
<b>Miscellaneous Option:</b>		
W81	Key Lock Mount (HLN6372)	\$33.00
<b>Warranty Options:</b>		
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

Date 5/26/06

## XTL™ 1500

## ASTRO® Digital Mobile

## ACCESSORIES

## SUGGESTED RETAIL

XTL™ 1500	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
<b>Microphones:</b>			
X	HMN4079	Enhanced Keypad Microphone	\$320.00
<b>Cables:</b>			
X	HKN4191	Mobile Power Cable	\$18.00
X	HKN6160	Cable Kit 6' Data	\$50.00
X	HKN6183	RS-232 Programming Cable	\$66.35
<b>Miscellaneous:</b>			
X	HLN5113	Emergency Footswitch	\$61.75
<b>Speakers</b>			
X	HSN4038	External 7.5 Watt Water Resistant Remote Mount Speaker (XTL 1500 - requires HKN6127 Adapter Cable for Dash Mount Compatibility)	\$60.50
<b>Mounting Accessories:</b>			
X	HLN6372	Key Lock Mounting	\$44.00
X	HLN6925	Control Station Mount	\$95.00
<b>Antennas:</b>			
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
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 MHz	\$75.00
X	HAF4017	800 MHz 3dB Gain Collinear Antenna, 762-870 MHz	\$38.00
X	HAF4016	800 MHz 1/4 Wave Antenna, 762-870 MHz	\$20.00

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**XTL™ 1500**  
**ASTRO® Digital Mobile**  
**ACCESSORIES**

**SUGGESTED RETAIL**

XTL™ 1500	MODEL NUMBER	DESCRIPTION	MANUF. SUGG. RETAIL PRICE
<b>Software:</b>			
X	RVN4185	Mobile Software CD, Version R01.00.00 - 3 Year Subscription Requires one of the following Programming Cables - HKN6183 (RS-232) or HKN6184 (USB). <b>Note: Software requires a license agreement and is not intended for resale.</b>	\$265.00
X	RVN4186	Portable/Mobile Software 2 CD Set - 3 Year Subscription - (includes RVN4185 & RVN4181). Requires one of the following Programming Cables - HKN6183 (RS-232) or HKN6184 (USB). <b>Note: Software requires a license agreement and is not intended for resale.</b>	\$375.00