Simplified Price List	
Model	**List price**
TK-190K	$642.00
TK-190K2	$642.00
TK-2140	$565.00
TK-2160K	$259.00
TK-2160RK-P	$426.00
TK-2160SK-P	$352.00
TK-2180K-LKP	$683.00
TK-2180K-NKP	$667.00
TK-2200V2	$271.00
TK-2200V8	$286.00
TK-260GK	$230.00
TK-260GK2	$230.00
TK-270GK	$459.00
TK-270GK2	$459.00
TK-272GK1RK	$358.00
TK-272GK1RM	$358.00
TK-272GK1SK	$325.00
TK-272GK1SM	$325.00
TK-272GK2RK	$358.00
TK-272GK2RM	$358.00
TK-272GK2SK	$325.00
TK-272GK2SM	$325.00
TK-280K	$517.00
TK-280K2	$517.00
TK-280K3	$550.00
TK-280K4	$550.00
TK-285K	$567.00
TK-290K	$750.00
TK-290K2	$800.00
TK-3140K	$582.00
TK-3140K2	$582.00
TK-3140K3	$582.00
TK-3160K	$275.00
TK-3160K2	$275.00
TK-3160K3	$275.00
TK-3160RK-P	$440.70
TK-3160SK-P	$367.00
TK-3180K2-LKP	$700.00
TK-3180K2-NKP	$683.00
TK-3180K-LKP	$700.00
TK-3180K-NKP	$683.00
TK-3200U2	$287.00
TK-3200U8	$309.00
TK-360GK	$230.00
TK-360GK2	$230.00
TK-360GK3	$230.00
TK-360GK4	$230.00
TK-370GK	$459.00
TK-370GK2	$459.00

Simplified Price List	
Model	**List price**
TK-370GK3	$459.00
TK-370GK4	$459.00
TK-372GK1RK	$358.00
TK-372GK1RM	$358.00
TK-372GK1SK	$325.00
TK-372GK1SM	$325.00
TK-372GK2RK	$358.00
TK-372GK2RM	$358.00
TK-372GK2SK	$325.00
TK-372GK2SM	$325.00
TK-372GK3RK	$358.00
TK-372GK3RM	$358.00
TK-372GK3SK	$325.00
TK-372GK3SM	$325.00
TK-372GK4RK	$358.00
TK-372GK4RM	$358.00
TK-372GK4SK	$325.00
TK-372GK4SM	$325.00
TK-373GK	$399.00
TK-373GK2	$399.00
TK-380K	$517.00
TK-380K2	$517.00
TK-380K3	$517.00
TK-380K4	$567.00
TK-380K5	$567.00
TK-380K6	$567.00
TK-385K	$583.00
TK-390K	$800.00
TK-390K2	$800.00
TK-390K3	$800.00
TK-390K4	$850.00
TK-390K6	$850.00
TK-480SK	$558.00
TK-480SK2	$600.00
TK-481SK	$583.00
TK-481SK2	$616.00
TK-6110K	$750.00
TK-6110K2	$750.00
TK-690HBK	$1,020.00
TK-690HBK2	$1,020.00
TK-690HBK3	$1,020.00
TK-7150K	$700.00
TK-715K	$420.00
TK-760GK	$472.00
TK-760GK2	$472.00
TK-760HGK	$565.00
TK-760HGK2	$565.00
TK-762GK	$409.00
TK-762GK2	$409.00

Simplified Price List	
Model	**List price**
TK-762HGK	$450.00
TK-762HGK2	$450.00
TK-780HK	$684.00
TK-780HK2	$684.00
TK-780K	$567.00
TK-780K2	$567.00
TK-785K	$510.00
TK-790BK	$730.00
TK-790BK2	$730.00
TK-790HBK	$1,180.00
TK-790K	$1,013.00
TK-8150	$733.00
TK-860GK	$502.00
TK-860GK2	$502.00
TK-860GK3	$502.00
TK-860HGK	$598.00
TK-860HGK2	$598.00
TK-860HGK3	$598.00
TK-862GK	$459.00
TK-862GK2	$459.00
TK-862HGK	$555.00
TK-863GK	$465.00
TK-880HK	$650.00
TK-880HK2	$650.00
TK-880HK3	$650.00
TK-880K	$567.00
TK-880K2	$567.00
TK-880K3	$567.00
TK-885K	$583.00
TK-890BK	$780.00
TK-890BK2	$780.00
TK-890BK3	$780.00
TK-890HBK	$1,230.00
TK-890K	$1,063.00
TK-930HD	$882.00
TK-931HD	$1,019.00
TK-980	$525.00
TK-981	$541.00
TKB-720K	$1,332.00
TKR-720K	$1,682.00
TKR-720K2	$1,682.00
TKR-750K	$1,483.00
TKR-750K2	$1,483.00
TKR-820K	$1,732.00
TKR-820K2	$1,732.00
TKR-820K3	$1,732.00
TKR-820K4	$1,732.00
TKR-850K	$1,583.00
TKR-850K2	$1,583.00

Simplified Price List	
Model	**List price**
TKR-850K3	$1,583.00

KENWOOD

Jun-05
Last Revised: 06/01/05

Land-Mobile Price List

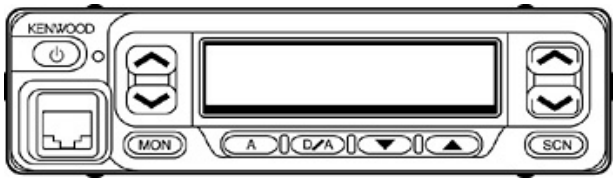
TK-863G

UHF Trunking Mobile Radio

Model	*Description*	*List*
UHF	***Includes: KMC-27B mic., DC power cable, mounting bracket***	
TK-863GK	450-490 MHz 25W, 32 Systems	$465.00

TK-863G FEATURES:

32 System
Trunked Format: (LTR & Conventional Modes)
Priority Scan (Conventional Mode)
8 Character Alphanumeric Aliases
Lighted LCD Display
Power On LCD Text Message
10 Programmable Back-lit Keys
12.5/25 kHz Wide/Narrow Per Ch.
High/Low Power per Channel [1]
Companded Audio Per Channel [2]
Built-in 4 W Speaker
2 Color LED Indicator
Inverting Front Panel
Home Group Function
Key Lock Function
QT/DQT Encode & Decode
DTMF ID (BOT/EOT)
DTMF Emergency ANI
DTMF Store & Send Dialing
DTMF Auto Dial (32 memories)
Auto-Redial (PF Key Function)
Busy Channel Lockout
Talk Around & Time Out Timer
Minimum Volume Setting
Power/Control/Warn Tone On/Off
Tone Volume Setting
PTT Release Tone
Off Hook Decode (QT/DQT)
Off Hook Horn Alert
PC Programming (KPG-76D)
PC Tuning
Panel Test & Tuning Modes
Clone Enable/Disable
Cloning (same model only)
Flash ROM Memory
Embedded Message (64 char.)
MIL-STD 810 C, D & E
Horn Alert Output [3]
Programmable Logic Outputs (SQL/LOK/HA)
Ignition-Sense Power On [4]
Ignition-Sense Horn Alert Disable [5]
Public Address Output Option [6]
AUX Manual Relay Output Option [6]
Foot Switch Input (PF input) [7]
KES-5 External Speaker Option [8]
KES-3 Compact External Speaker Opt. [9]



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[1] Conventional systems per channel; LTR systems per system
[2] Both wide 25 kHz and narrow 12.5 kHz spaced channels
[3] Requires KAP-1, KCT-19 and wire to horn relay or device (Horn Alert or AUX Manual Relay Output are KPG-76D programmable)
[4] Requires KCT-19, KCT-18
[5] Requires KAP-1, KCT-19 & KCT-18 and wire to horn relay
[6] Requires KAP-1, KCT-19 & speaker
[7] Requires KCT-19 & switch input to ground
[8] Requires KCT-19
[9] Plugs into mobile 3.5 mm phono-jack

Accessories for the TK-863G Series Radios

Model	Description	List
AVL UNITS		
	Note: For more information on AVL Units, please refer to the AVL pricepages.	
KGP-2A	GPS Receiver / Modem Unit (includes one dash-mount GPS antenna, mounting bracket, screw set)	525.00
KGP-2B	Base Modem Unit	225.00
KCT-35	KGP-2A & 2B Radio Interface Cable for 60G/62G/63G-Series Mobiles	21.00
KCT-36	KCT-35 Extension Cable; 117.6 inches (9.8 ft)	42.00
KPG-73D	Programming Software for KGP-2A/2B Windows® 95/98/Me	99.00
CABLES		
KCT-18	Ignition Sense Cable (Requires KCT-19)	13.00
KCT-19	Accessory Interface Cable (i.e., data, horn alert)	21.00
INSTALLATION ACCESSORIES		
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	39.50
KMB-10	Key lock adapter for the KMB-6	25.00
MICROPHONE AND SPEAKERS		
KES-3	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	42.00
KES-5	External Speaker, 40W max input, black case (TK-863G requires a KCT-19 option)	59.00
KMC-27A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug)	99.00
KMC-27B	Standard dynamic mobile microphone (8-pin mod. plug) --- **same as supplied w/ radio**	40.00
KMC-28A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug) w/ DTMF	155.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	82.00
MISCELLANEOUS ITEMS		
KAP-1	Horn Alert/P.A. Relay Option (requires KCT-19)	40.00
KMB-20	Mobile cabinet for KPS-15 Power Supplies (mobile mounting hardware included) For 60G/60HG/62G/62HG/63G/80-series mobiles	25.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak) ***Compatible with medium & high power compact mobiles only:** 60G/60HG/62G/62HG/80/150/180/160-series mobiles	167.00
SERVICE RELATED ACCESSORIES		
KCT-35	KGP-2A & 2B Radio Interface Cable for 60G/62G/63G-Series Mobiles	21.00
KCT-36	KCT-35 Extension Cable; 117.6 inches (9.8 ft)	42.00
KPG-46	Mobile Programming interface cable (8-pin mic jack mobiles)	N/A
KPG-73D	Programming Software for KGP-2A/2B Windows® 95/98/Me	99.00
KPG-76D	Programming Software for TK-363G/863G	99.00

Installation / Tuning Charges for the TK-863G Series Radios

Model	Description	List
L-895	Install KCT-19 in 60G/62G/63G Series Mobiles for Data/MDT mode	17.00
L-897	Install KCT-19 in 60G/62G/63G Series Mobiles for Emergency Foot Sw. Input	17.00
L-930	Install KCT-35 in 60G/62G/63G Series Mobiles for KDS-100/KGP-2A/2B Interface (order KCT-35 separately)	21.00
L-936	Tune TK-863G	25.00

KENWOOD

Jun-05
Last Revised: 06/01/05

Land-Mobile Price List

TK-885K

450-470MHz UHF MPT1327 Network Trunking Mobile Radio

Model	*Description*	*List*
UHF	***Includes: KMC-27B Mic., DC Cable, Mounting bracket***	
TK-885K	450-470 MHz 25W; 8 MPT Networks (trunked); 32 CH (conventional)	$583.00

TK-885K FEATURES:

GENERAL FEATURES
25W UHF Transmit Power
12.5 kHz Channel Spacing
4 W Audio Power
Inverting Front Panel (for speaker positioning)
Back Lit Front Panel Dot Matrix LCD
12 Character Alphanumeric Display
3 Char. Sub-Display (RSSI bargraph)
LCD Operational Icons
Two Color LED (TX/Busy indicator)
4 Programmable Function Keys (lighted)
Horn Alert Output (Prog.; KCT-19 Opt.)
Public Address Output (KAP-1, KCT-19 Opt.)
FootSwitch Input (Prog.; KCT-19 Opt.)
Encryption/Scrambler Board Control
TX Power Select
Data Port I/O (KCT-19 option)
Minimum Volume Setting
Power On Text (message display)
Timed Power Off
Embedded Message (64 Char.)
ESN Protected Network files
Radio Password (Lock; DTMF mic+Call Key)
Data Password (Protected Programming)
KPG-62D Windows® PC Programming & Tuning
Front Panel Test & Tune
Flash ROM Firmware
KES-3 External Speaker (compact)
KES-5 External Speaker (req. KCT-19)
MIL-Spec/Noise-Cancel Mic Options
MILSTD810 C, D & E (9 categories)

CONVENTIONAL MODE
32 Channels (Conventional Mode)
QT/DQT Encode & Decode
Normal Scan (No Priority)
Scan Revert (Last Call, Selected or Used)
TX Power In Conventional Mode (high or low)
Companded Audio in Conventional Mode
Off Hook Scan / Off Hook Decode
Time Out Timer (Pre-Alert, Re-Key, Reset)
Busy Channel Lockout
DTMF Encode (KMC-28A Option; conv. Only)

TRUNKED NETWORK MODE***
8 Network Capacity
Individual Call
Group Call
Broadcast Call (dispatcher to all fleets call)
Priority Call (unit placed top of queue in network)
Emergency Key Function (Network only)
Emergency Call (specific net address/ tel. no.)
Status Message Call (32, 12-Char. statuses)
Power On/Off Statuses
Full Off Air Call Setup (conserves network link resources)
PTT Initiates Call
Conventional Mode (manual PF key)
Auto Conventional Mode- auto switches to conventional mode when no control ch. present.
The "Trunking Search - automatically switches back to Trunked Mode mode (or alert-only) when a control ch. is detected.
Own Call Diversion (call forwarding)
Third Party Call Diversion (call forwarding)
Call Queuing (incoming call queuing)
Network Call Queuing (outgoing call queuing)
Include Call ("late entry" conversation joining)
NOS Call (3-digit priority call to net operator)
Technician Call (8-digit dial call for net techs)
Don't Distrub Call (block voice, data or all calls)
99 Call Address Table (call units)
32 Group Address Table (receive group)
Home Key (one touch to Home Address)
Network Formatted Dialing (1343 compatible)
Dial Key (pre-programmed dial strings execuetd)
Re-Dial Key (recalls last 3 dialed calls)
Network Select (manual selection of networks)
Normal/Status/Stack Mode Select
Stack Mode Auto-reset Timer
CALL Key (initiate call)
Clear Key (initiate call & PTT)
Short Data Message Call (on control channel)*
Non-Prescribed Data (on traffic channel)*
Companded Audio Per Network
TX Power in Trunked Mode (high or low only; RSSI auto n/a on mobile)
*Require external network compatible data hardware/dispatch applications software

IMPORTANT NOTES
The TK-885 "network trunking" model differs from an 80-Series model. **Most notable, the TK-885 DOES NOT support the following features/options:**
25 kHz Channel Spacing (12.5 kHz only)
Priority Scan (normal scan only)
LTR Trunking
FleetSync® Encode/Decode
ANI Boards / PTT ID Features
Emergency ANI Features (network Emergency Call only)
DTMF or 2-Tone Decode Features
PassPort® Trunking Network Options
KDS-100 (KCT-34/36)
KGP-2A/2B (KCT-34/36)
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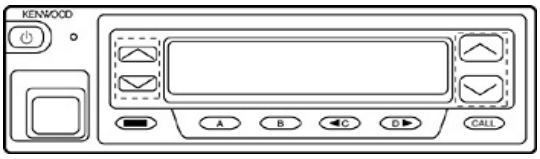
*TK-385/885 Trunked network features/operation listed may not be available depending on brand network controller used or network operator provisioning.



KENWOOD

Jun-05
Last Revised: 06/01/05

Accessories for the TK-885K Mobile Radio

Model	Description	List
MOBILE INSTALLATION ACCESSORIES		
KAP-1	Horn Alert/P.A. Relay Option (requires KCT-19)	40.00
KCT-18	Ignition sense cable (requires KCT-19)	13.00
KCT-19	Accessory connector cable (for ignition sense, horn alert, KSP- spkrs, & Data Port)	21.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	39.50
KMB-6	Mobile mounting bracket (same as supplied)	12.00
KMB-10	Key lock adapter (for both KMB-4 & 6)	25.00
CONTROL STATION INSTALLATION ACCESSORIES		
KCT-31	PC Serial Interface cable (mobile-to-PC connection for MAP27 applications or Kenwood serial data) Note: Order L-918 for Kenwood installation	70.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	82.00
KMB-20	Control Station Mounting Case for KPS-15 Power Supplies (mobile mounting hardware included) For 60G/60HG/62G/62HG/80-series mobiles	40.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak) ***Compatible with medium & high power compact mobiles only:** 60G/60HG/62G/62HG/80/150-Series mobiles; See KMB-20 mounting case	167.00
MICROPHONES AND SPEAKERS		
KES-3	External speaker (compact low profile; black case; 3.5 mm plug-in)	42.00
KES-5	External speaker, 40W max input, blk case; 5"x5"x2-9/16" (requires KCT-19)	59.00
KMC-27A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug)	99.00
KMC-27B	Standard dynamic mobile microphone (8-pin mod. plug) --- **same as supplied with radio**	40.00
KMC-28A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug) w/ DTMF	155.00
KMC-32	Low Profile DTMF Microphone (8-pin mod. Plug)	67.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	82.00
SERVICE RELATED ACCESSORIES		
KPG-46	Mobile Programming interface cable (8-pin mic jack mobiles)	N/A
KPG-62DK	P.C. Programming Software for TK-385/885 (Windows® 98, 2000, Me & XP compatible)	N/A
	Important: The KPG-62DK includes a Dealer/Reseller Level License ID for limited subscriber unit programming privileges. A Network Level License ID (at no additional charge) is required for full system operator subscriber unit privileges; contact Kenwood engineering, Suwanee office 678-474-4700	
**********	**Call Kenwood Parts at 800-367-7514 to order the following:**	
J29-0627-13	Mounting bracket for TK-780/880/980/981 --- same as supplied w/ radio	7.04

Installation / Tuning Charges for the TK-885K Series Radios

Model	Description	List
L-918	Install KCT-31 in mobile (order KCT-31 separately)	21.00

KENWOOD

Jun-05
Last Revised: 06/01/05

Land-Mobile Price List

TK-930HD

Trunked Compact Mobile Radios

Model	*Description*	*List*
800 MHz	***Includes: Mic (KMC-14), DC power cable, mounting brackets***	
TK-930HD	800MHz, 35W, 10 Systems x 10 Groups (LTR® - compatible) NPSPAC Option available- Order L811	$882.00

TK-930HD FEATURES:

Programmable up to 10 sysems with 10 groups per system
LCD Display
35W RF power output
LCD Display
System Scan Functions
Interval Scan
Off Hook Revert
User Selectable Delete / Add
Group Scan
QT/DQT
Busy Channel Lock-out
Talk Around
Free System Ring Back
Dual T-O-T
Horn Alert
MIL-STD 810 C, D, & E
2 Fixed Priority Receive ID Codes
Transmit Inhibit
Transpond
Automatic Minimum Volume
NPSPAC Option

Accessories for the TK-930HD Series Radios

Model	*Description*	*List*
INSTALLATION ACCESSORIES		
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	$39.50
KMB-10	Key lock adapter (for both KMB-4 & 6)	$25.00
KMB-4	Mobile mounting bracket (same as supplied)	$12.00
MICROPHONE AND SPEAKERS		
KES-5	External speaker, Black Case, 40W max. input (dimensions: 5-1/16" W x 5-1/16" H x 3" D)	$59.00
KMC-14	Standard dynamic mobile microphone	$30.00
KMC-18	DTMF mic, manual dial, auto PTT, Backlit keypad, MILSTD	$155.00
KMC-2A	Noise canceling microphone	$49.00
KMC-9	Control station desktop microphone	$82.00
MISCELLANEOUS ITEMS		
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak) ***Compatible with medium & high power compact mobiles only.**	167.00
SERVICE RELATED ACCESSORIES		
KPG-4	Mobile Programming interface cable	N/A
KPG-5DK	Programming software for TK-930HD	N/A

Installation / Tuning Charges for the TK-930HD Radios

Model	*Description*	*List*
L-812	Tune TK-930HD	17.00
L-811	NPSPAC conversion kit installation for TK-930HD; NSPAC is not programmable per channel with this option/model makes all channels transmit +/- 4 kHz max. deviation, installs receiver 12.5kHz narrowband filters and 1.5PPM TCXOs	33.00

Land-Mobile Price List

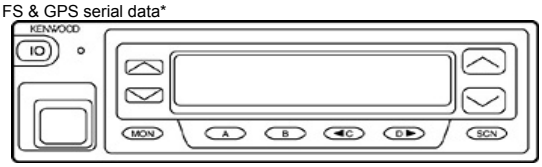
TK-980/981

800 / 900 MHz Trunked Mobile Radios

Model	*Description*	*List*
800 MHz	***KMC-27B mic., DC Cable, & Mounting Bracket incl.***	
TK-980	800 MHz, 15W LTR-32 Systems, CONV-250 CH.	$525.00
L-889	Install firmware & enable NPSPAC operation in TK-980	84.00
	Other required items: KPG-49D (V2.00 or higher) higher permits "per channel" programming of NPSPAC capability. Note: NPSPAC and PassPort® capabilty are not available in the same firmware option.	
900 MHz	***KMC-27B mic., DC Cable, & Mounting Bracket incl.***	
TK-981	900 MHz, 15W LTR-32 Systems, CONV-250 CH.	541.00

TK-980/981 FEATURES:

GENERAL FEATURES:
- 15W 800 & 900 MHz Models
- NPSPAC firmware option
- Programmable Power Per Channel
- Companded Audio Per Channel (wide & narrow*)
- 4 W Speaker Audio Power
- Inverting Front Panel (speaker position)
- 10 Character Alphanumeric Display
- 3 Numeric Character Sub-Display
- Dot Matrix Backlit LCD
- LCD Operational Icons
- Two Color Tri-State LED Indicator
- 4 PF Keys (lighted)
- Shift Key Function (req. DTMF mic)
- FleetSync®
- Encryption/Scrambler Board Support
- ANI Board Support
- Emergency Type (FS, DTMF, ANI Brd.)*
- Emergency Calling Feature
- DTMF Decode Selective Call
- DTMF Deadbeat Disable
- DTMF PTT ID & DTMF Emergency ID*
- Alert with Transpond (DTMF)*
- PTT ID Side-Tone (ANI Boards)*
- PTT ID TA Inhibit*
- Call Alert Tone: Mom or Continuous (DTMF & FleetSync®)*
- Auto-Dial Memory (32 numbers)
- Horn Alert (req. KCT-19 & KAP-1)
- Public Address
- Single COM Port: FS & GPS serial data*
- Programmable Function DTMF Mics
- Data Port I/O's (KCT-19)
- FleetSync® COM 1 & 2 (KCT-31)
- Accessory Connector Option (KCT-19)
- Ignition Sense On/Off
- Timed Power Off (8 hr.)
- Inhibit PTT ID in TA
- PTT Release Tone
- Minimum Volume
- Control Tones On/Off
- Power On Text
- Embedded Message (64 Char.)
- Data Password ("Anti-piracy")
- Radio Password (Radio Lock)
- Clone Capability (enable/disable)
- Front Panel Field Programming & Tuning
- Windows® Programming & Tuning
- Flash ROM Firmware
- KES-3 External Speaker (compact)
- KES-5 External Speaker (req. KCT-19)
- MIL-Spec/Noise-Cancel Mic Options
- KDS-100 Compatible (req. KCT-34/36)
- KGP-2A/2B Compatible (req. KCT-34/36)
- MIL810 C, D & E (9 categories)



TRUNKED FORMAT
- 32 Systems (max.)
- Trunked LTR & Conventional Systems
- 250 Group IDs (aggregate max.)
- Single Priority Scan (within any Conv. System only)
- Scan Delete/Add
- QT/DQT Encode & Decode, BCL, TOT & TA (Conv.)
- LTR Talk Around / Scan Revert Group Display
- System Scan & Group Scan / Auto System Search

FLEETSYNC®
- PTT ID (Digital ANI; 100 ID List capacity*)
  - Caller ID Display (per CH; BOT only)*
  - Caller ID Stack (last 3 calls)*
- Status Messaging (50 Msg. List capacity*)
  - 70 Custom Dispatch Messages
  - 9 Reserved Special Use Messages
    - ST# 98 - Man Down Emergergency (portables)*
    - ST# 99- Emergency Status
    - ST# 88- Emergency Mode Off*
    - ST# 89- Horn Alert Request* (mobiles)
    - ST# 90- Stun radio (No TX)
    - ST# 91- Stun radio (No TX / No RX audio)
    - ST# 92- Turn off Stun
    - ST# 93- ACK stun is ON
    - ST# 94- ACK stun is OFF
    - ST# 80-87, 95-97 (Reserved for future use)
- Selective Call

Short Text Messages** (stored/display)
Long Text Message** (req. KDS-100, KCT-34/36)
PC Serial Control Interface** (req. KCT-31)
FS GPS Data** (req. aftermarket GPS/modification)
PC Serial Interface**

*** Features added in Ver. 2 radios**
**** Fleetsync® Enhanced Option required - NOT factory installed on these models; please purchase seperately.**

INCLUDED ITEMS
- KMC-27B Standard Microphone
- DC Cable - Mounting Bracket
- Instruction Manual

Important Note:
The TK-480/481/980/981 only operate in "Trunked Format" (LTR & Conventional systems). These are not "Dual Format" radios like the TK-280/380/780/880 mobiles which operate in either Trunked Format (LTR & Conventional systems) or Conventional Format (traditional conventional channel organization with priority scan).

Accessories for the TK-980/981 Series Radios

Model ***Description*** ***List***

ACCESSORY COMPATIBILITY FOR THE 80-SERIES MOBILES

	KCT-18	KCT-19	KAP-1	KCT-31	KCT-34	KCT-35	KCT-36	KDS-100	KGP-2A/2B
KCT-18		X	X (a)	X (b)	X (b)	X (b)	:	X (b)	X (b)
KCT-19	X		X (a)	X (c)	:	:	:	:	:
KAP-1	X (a)	X (a)		X (d)	:	:	:	:	:
KCT-31	X (b)	X (c)	X (c)		:	:	:	:	:
KCT-34	X (b)	:	:	:		:	X	X	X
KCT-35	X (b)	:	:	:	:		X	X	X
KCT-36					X	X		X	X
KDS-100	X (b)	:	:	:	X	X	X		:
KGP-2A/2B	X (b)	:	:	:	X	X	X	:	

Chart Key
X = compatible
X ( )= compatible, but additional options/modification may be required; some modifications are "Dealer-installed only; refer to Kenwood application notes" (no Kenwood install labor code available).
Blank= Not compatible
Gray= Non-applicable

Remarks
(a) The KAP-1 PA/HA relay board requires a KCT-19 to route the PA & HA outputs external of the mobile.
(b) Installing the option in the left-hand column will require the KCT-18 to be routed under the DC cable grommet, stripped /tinned and soldered directly to the ignition sense input inside the mobile Dealer-installed only; refer to Kenwood application notes.
(c) [80-Series mobile only] This install must share the SB+ and GND connections. The KCT-31 connects to the 80-Series COM1 port only. Dealer-installed only; refer to Kenwood application notes.
(d) [80-Series mobile only] This install must share the SB+ and GND connections. Dealer-installed only; refer to Kenwood application notes.The KAP-1 requires a KCT-19.

MOBILE INSTALLATION ACCESSORIES

KAP-1	Horn Alert/P.A. Relay Option (requires KCT-19)	40.00
KCT-18	Ignition sense cable (requires KCT-19)	13.00
KCT-19	Accessory connector cable (for ignition sense, horn alert, KSP- spkrs, & Data Port)	21.00
KCT-34	KGP-2A/2B & KDS-100 Radio Interface Cable for 80-Series Mobiles	21.00
KCT-36	KCT-34/35/39/40M Extension Cable; 117.6 inches (9.8 ft)	42.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	39.50
KMB-6	Mobile mounting bracket (same as supplied)	12.00
KMB-10	Key lock adapter (for both KMB-4 & 6)	25.00

CONTROL STATION INSTALLATION ACCESSORIES

KCT-31	PC Serial Interface cable (80-Series mobile-to-PC connection for FleetSync®)	70.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	82.00
KMB-20	Control Station Mounting Case for KPS-15 Power Supplies (mobile mounting hardware included) For 60G/60HG/62G/62HG/80-series mobiles	40.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak) ***Compatible with medium & high power compact mobiles only:** 60G/60HG/62G/62HG/80/150-Series mobiles; See KMB-20 mounting case	167.00
KAS-2SFD	**FleetDispatchPRO: FleetSync® messaging dispatch software for PC (Windows® 98/Me/NT/2000/XP compatible) Supports the following FleetSync® features: decodes PTT ID, decodes Emergency, encode/decodes Status Messages, encodes Short & Long Text Mesages.**	498.00

COMPUTER SYSTEM REQUIREMENTS
- Windows 98/Me/NT/2000/XP OS / Pentium II 450 MHz or better
- 10 MB of hard disk drive space / 64MB RAM / CD ROM Drive / Mouse
- Super VGA color monitor or better / 1024 x 768 or higher resolution setting
- 1 Serial Port (for mobile serial cable)
- 1 Parallel Port (for FleetDispatchPRO hardware key; single PC use only; not LAN compatible)
- Package Contents: CD ROM, Instruction Manual, Hardware Key

MOBILE PC STATION REQUIREMENTS
- FleetSync PC Serial Interface capable (FleetSync enhanced enabled)
- Installed PC Serial Interface Cable (see mobile options/accessories)
- Base Station Desktop Microphone recommended (see mobile options/accessories)

Accessories for the TK-980/981 Series Radios

Model	Description	List
MICROPHONES AND SPEAKERS		
KES-3	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	42.00
KES-5	External speaker, 40W max input, blk case; 5"x5"x2-9/16" (requires KCT-19)	59.00
KMC-27A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug)	99.00
KMC-27B	Standard dynamic mobile microphone (8-pin mod. plug) --- **same as supplied with radio**	40.00
KMC-28A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug) w/ DTMF	155.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	82.00
FLEETSYNC® MOBILE DATA TERMINAL	**See the KDS-100 price pages for detailed information**	
KDS-100	FleetSync® Data Terminal- Includes mounting bracket, mounting hardware and DC Cable Notes: 80-Series mobiles require the FleetSync® Enhanced option enabled-see L-875. KCT-34 Radio Interface cable is required. Use a KCT-36 9.8 ft. for an extension cable.	595.00
KCT-34	KGP-2A/2B & KDS-100 Radio Interface Cable for 80-Series Mobiles	21.00
KCT-36	KCT-34/35/39/40M Extension Cable; 117.6 inches (9.8 ft)	42.00
KPG-71D	Programming Software for KDS-100 Windows® 95/98/Me	99.00
KAS-2SFD	**FleetDispatchPRO: FleetSync® messaging dispatch software for PC (Windows® 98/Me/NT/2000/XP compatible) Supports the following FleetSync® features: decodes PTT ID, decodes Emergency, encode/decodes Status Messages, encodes Short & Long Text Mesages.**	498.00
AVL UNITS	**See the AVL price pages for detailed information**	
KGP-2A	GPS Receiver / Modem Unit (includes one dash-mount GPS antenna, mounting bracket, screw set	525.00
KGP-2B	Base Modem Unit	225.00
	Note: A KGP-2A/2B AVL system requires aftermarket AVL mapping dispatch software -see AVL price pages	
KCT-34	KGP-2A/2B & KDS-100 Radio Interface Cable for 80-Series Mobiles	21.00
KCT-36	KCT-34/35/39/40M Extension Cable; 117.6 inches (9.8 ft)	42.00
KPG-73D	Programming Software for KGP-2A/2B Windows® 95/98/Me	99.00

QE-2 G-Star®/ MDC1200 DIGITAL ANI MODULES by Cimarron Technologies

How to Order: Please see QE-2 Information and Order Sheet available from LMR Order Desk

1. Select the proper model/ quantity of radios, desired MDC-1200 (L-901) or G-Star (L-902) ANI format labor code.
2. Refer to the "QE-2 MDC-1200 Information/Order Sheet" available from the LMR Order Desk; select the ID format, ID codes and other feature options
3. Fax the Order Sheet with your radio order to your authorized Kenwood Rep or LMR Order Desk

All order sheet items must be filled out even if the feature option is "disabled" (incomplete Order Sheets will not be processed).

a. QE-2's are Kenwood installed only; these are not available as "shipped loose" (pre-programmed or not).

b. Allow a min. 1 week delivery ARO for 1- 25 units (allow min. 3 weeks for 25 units and up).

Notes:

Emergency "Man-down" features require an installed CAE-3 internal man-down tilt switch option (portables only).

Dealers can purchase a QE-2 programmer , Model QPF-2, direct from Cimarrron Technologies Call 800-487-7184 www.cimtechcorp.com

QE-2	G-Star® or MDC1200 ANI Board : PTT ANI, emergency & man-down **Important Factory Install Only –Order L-901 or L-902**	128.00

Accessories for the TK-980/981 Series Radios

Model	*Description*	*List*
SERVICE RELATED ACCESSORIES		
KPG-46	Mobile Programming interface cable (8-pin mic jack mobiles)	N/A
KPG-49D	P.C. Programming Software for TK-280/380/480/481/780/880/980/981 V3.00 or higher	65.00
KPG-73D	Programming Software for KGP-2A/2B Windows® 95/98/Me	99.00
**********	**Call Kenwood Parts at 800-367-7514 to order the following:**	
E30-3382-05	Clone cable	13.54
J29-0627-13	Mounting bracket for TK-780/880/980/981 --- same as supplied w/ radio	7.04

Installation / Tuning Charges for the TK-980/981 Radios

Model	*Description*	*List*
L-857	Tune TK-780/880/980/981	25.00
L-875	Enable FleetSync® Enhanced Option in 80-Series (mobile/portable)	50.00
L-889	Install firmware & enable NPSPAC operation in TK-980	84.00
	Note: NPSPAC and PassPort capabilty are not available in the same firmware option.	
L-901	Program and install QE-2 MDC1200 Encoder	75.00
L-902	Program and install QE-2 G-Star® Encoder	75.00
L-905	FleetSync® enhanced option (field retrofit) (order qty. bet. 1-24). Must order SRB08698 Hardware Key also; requires KPG-65ED	50.00
L-906	FleetSync® enhanced option (field retrofit) (order qty. bet. 25-99). Must order SRB08698 Hardware Key also; requires KPG-65ED	50.00
L-907	FleetSync® enhanced option (field retrofit) (order qty. 100+). Must order SRB08698 Hardware Key also; requires KPG-65ED	50.00
L-929	Install KCT-34 to 80-Series mobile for KGP-2A/2B interface (order KCT-34 separately)	21.00

FleetSync® General Information

The 40, 50 & 80-Series radio firmwares include both the full set of FleetSync® Basic and FleetSync® Enhanced feature sets. However, the TK-2140/3140 & the TK-480/481/980/981 radios require the "FleetSync® Enhanced" Option to be ordered to "enable" the enhanced feature set. As of 10/01/02, the TK-280/380/780/880/7150/8150 come with the FleetSync® enhanced option pre-enabled.

FleetSync® Basic - "Basic" features are available in each radio as shipped from Kenwood (no actitvation is required). The entire Basic feature set is designed to operate between FleetSync® base and fleet radios (within the limitations of the radio controls and LCD display capabilities). Some Basic feature sets require a vendor-supplied base dispatch hardware and/or software for practical dispatch operations.

~ **PTT ANI (fleet portables/mobiles) -** digital ANI sent on each PTT using the FleetSync® ID.

~ **Caller ID / Caller ID Stack** [1] (portables/mobiles)- decodes an incoming PTT ID and displays the caller alphanumeric tag; Caller ID Stack stores the last 3 calls for review.

~ **Selective Call** (portables/mobiles) - allows base-to-fleet and fleet-to-fleet selective calling via a pre-stored 100 ID list[2]. Each ID can have an 16 character alphanumeric tag for easy selection and Caller ID recognition.

~ **Status Messaging** (portables/mobiles)- provides up to 50 pre-stored sixteen-character alphanumeric messages[3] permitting a base to send a larger variety of job-type messages and fleet radios to display and respond accordingly with complimentary acknowledgements (includes special reserved Emergency, Emergency Man-down*, Emergency Mode Off *, Horn Alert (mobiles)* and Radio Stun/Acknowledge/Resurrect statuses are available).

[1] *80-Series: starting with Ver. 2.0 radios;*

[2] *80-Series: starting with Version 2.0 radios only; previous versions had a 32 ID capacity;*

[3] *80-Series: starting in Version 2.0 radios only; previous versions had a 32 Status Message capacity*

FleetSync® Enhanced Option- The FleetSync® Enhanced Option, if not already pre-enabeld, must be "enabled" in the radio by ordering the appropriate labor codes for a Kenwood install or ordering the appropriate quantities of FS Enhanced options loaded in hardware key(s) and a KPG-65ED as a dealer field retrofit kit (see model price lists). This enables the following Enhanced features in addition to the Basic feature set:

~ **PC Serial Control** (mobiles only)- PC Serial Interface enables serial line communications between an 80-Series mobile radio and a FleetSync® compatible computer software application or peripheral device (enables the serial COM port I/O's of an 80-Series mobile) such as CAD/messaging, AVL/messaging software and devices such as status messaging units, desktop ANI encoder/decoder units and mobile data terminals (check with vendor).

~ **Short Text Messaging** (portables/mobiles)- decodes, stores and displays in the radio up to four 48-character Short Text messages

~ **Long Text Messaging** (mobiles only)- decodes and stores one 1024-character message for output to an external KDS-100 or decode-display device. A Long Text message is NOT stored in mobile memory or displayed in the mobiles LCD.

~ **FleetSync® GPS Data** (mobiles only; requires special modifications)- FleetSync® Enhanced option enables a FleetSync mobile to use the NMEA-0183 GPS serial data output (in RS-232C format) from a GPS receiver and send this data in the FleetSync® air protocol data format (the type GPS data sent is programmable in the mobile). This requires the FleetSync® Enhanced option in both fleet and base mobiles; an aftermarket GPS receiver (internal or external); special hardware modifications to connect the GPS receiver. Call Kenwood techncial support for GPS receiver application notes and see Manning Rastrac information in the AVL price pages for software.

FleetSync® for 80-Series Portables & Mobiles

Installation / Tuning Charges

Model	*Description*	*List*
To program all 80-Series radio parameters (including FleetSync parameters):		
KPG-36	Portable Programming interface cable	N/A
KPG-46	Mobile Programming interface cable (8-pin mic jack mobiles)	181.67
KPG-49D	P.C. Programming Software for TK-280/380/780/880/980/981 & TK-480/480	65.00
Kenwood-installed FleetSync® Enhanced Option		
L-875	FleetSync® Enhanced Option- enable in 80-Series (mobile/portable)	50.00
Dealer-installed FleetSync® Enhanced Options		
	Note: Instead of L-875, options L-905/906/907; SRB08698 Hardware Key and KPG-65ED can be purchased for dealer field installation of the FleetSync® Enhanced option	
L-905	FleetSync® Enhanced Option (field retrofit) for 80-series; Price each for qty. 1-24	50.00
	Note: Must order SRB08698 Hardware Key also; requires KPG-65ED	
L-906	FleetSync® Enhanced Option (field retrofit) for 80-series; Price each for qty. 25-99	50.00
	Note: Must order SRB08698 Hardware Key also; requires KPG-65ED	
L-907	FleetSync® Enhanced Option (field retrofit) for 80-series; Price each for qty. 100+	50.00
	Note: Must order SRB08698 Hardware Key which holds 100 ESN's maximium; multiple keys must be oders over 100. Also requires KPG-65ED.	
SRB08698 [2]	Hardware Key (Sentinel Super Pro)	83.33
	Note: SRB08698 hardware key holds 100 ESN's maximum; multiple keys must be purchased for orders over 100.	
KPG-65ED [3]	FleetSync® Enhanced Option Installation Software	10.00
	Note: Required for L-905/906/907 & SRB08698 use. This software is re-usable on future orders of L-905/906/90	
Cable/options to connect an 80-Series base/control mobile to a PC		
KCT-31	PC Serial Interface cable (80-Series mobile-to-PC connection for FleetSync®) Order L-918 for Kenwood installation	70.00
L-918	Install KCT-31 in 80-Series mobile (order KCT-31 separately)	21.00

Option Notes:

1. KPG-49D: As of June 2001, 80-Series "Version 2.0" radio productions were released (see LMR Sales Bulletin I-01-26LM for details).
~ KPG-49D V3.XX programming software is required for Version 2.0 radios. KPG-49D V3.XX programming software will program all early (pre-VER 2.0) radios except the early TK-480/481 production (the KPG-35D must be used). On all other models, the 2-tone data defaults to factory settings and will require re-entry.
~ KPG-49D V2.XX or earlier will not program any new Version 2.0 radios. V2.XX programs pre-Version 2.0 radios that were the first version to include FleetSync (TK-280/380/780/880/980/981-production starting 7/99 and TK-980/981 production starting 3/99).
~ KPG-49D V1.XX should be retained to program older TK-280/380/780/880 radios that do not have FleetSync® capability; the KPG-35D V1.XX should be used to program earlier TK-480/481 radios that do not have FleetSync.

2. The SRB08698 hardware key requires L-905, 906 or 907 options to be loaded into it. The hardware key requires the KPG-65ED to activate FleetSync® Enhanced Options in an 80-Series radio. The SRB08698 hardware key can be returned when empty for 50% credit. Call the LMR order desk for an RMA#. Credit will NOT be issued for the L-905/906/907 options.

3. The KPG-65ED is a one-time order and may be re-used on future orders of L-905/906/907. The SRB08698 hardware key must be installed on the PC parallel port for the KPG-65ED to operate.

PassPort® Options (Kenwood-installed)

FOR NEW RADIO ORDERS ONLY

Ordering Instructions

For 800/900 MHz models TK-480/481/980/981 new radio orders, the Kenwood-installed Passport® ESN / firmware option is available for a charge:

1. Order the ESN/Firmware option per L-876, L-877 or L-878

Other required items:

a. KPG-63D Radio Programming Software: the KPG-63D is required to program all PassPort® parameters for all PassPort® enabled radios, the KPG-63D will not program LTR or conventional parameters.
b. KPG-49D is required only if LTR or conventional systems are to also be programmed in the PassPort® radio.

Model	***Description***	***List***
Labor Code		
L-876	Install PassPort® ESN options and firmware in TK-480/481/980/981 · 1-24 qty. lot price; Price is per ESN · The latest PassPort® radio firmware will be installed	$68.00
L-877	Install PassPort® ESN options and firmware · 25-99 qty. lot price; Price is per ESN · The latest PassPort® radio firmware will be installed	68.00
L-878	Install PassPort® ESN options and firmware · 100 qty. lot price; Price is per ESN · The latest PassPort® radio firmware will be installed	68.00
L-938	Install PassPort® ESN options and firmware in TK-380/880 models (with new radios purchases beginning 10/1/02)	0.00
PassPort® Radio Programming Software		
KPG-63D	PassPort® Radio Programming Software V2.00 or higher	65.00

PassPort® Options (Field-installation kits)

FOR DEALER / OPERATOR FIELD CONVERSIONS

Ordering Instructions

1. Order the ESN key/firmware Labor Code options: L-892, L-893 or L-894; specify model radio(s).
Pre-loaded ESN hardware key(s) with the ordered quantities of ESN's and a PassPort® radio firmware diskette will be shipped (100 ESN's maximum per hardware key). **Important: Any depleted key previously registered to a technicians computer must be retained to register any new purchased key to the computer; please retain the old key until the new one is received.**
2. Other required items:
a. KPG-64D: PassPort® ESN Install Program: the KPG-64D only needs to be ordered one time. It is re-usable for subsequent ESN orders (unless an upgrade is recommended).
b. KPG-63D Radio Programming Software: required to program all PassPort parameters for all PassPort® enabled radios, the KPG-63D will not program LTR or conventional parameters.
c. KPG-49D Radio Programming Software: required only if LTR or conventional systems are also tbe programmed in the PassPort® radio.
3. The KPG-49D radio programming software is required for LTR & conventional site programming.

Model	*Description*	*List*
L-892	PassPort® ESN Options & PassPort® firmware disk **(SPECIFY RADIO MODEL)** · 1-24 qty. lot price; Price is per ESN	$68.00
L-893	PassPort® ESN Options & PassPort® firmware disk **(SPECIFY RADIO MODEL)** · 25-99 qty. lot price; Price is per ESN	68.00
L-894	PassPort® ESN Options & PassPort® firmware disk **(SPECIFY RADIO MODEL)** · 100 qty lot price; Price is per ESN · Maximum 100 ESN options per hardware key	68.00

Note: *Sales of L-892, 893, 894 are NOT refundable. Purchaser has a 72 hour limit after receipt to report suspected hardware key defects or ESN shortages to Kenwood engineering, Suwanee office 678-474-4700*

SRB08698	Hardware Key (Sentinel Super Pro)	83.33

NOTES:
· Requires purchase of L-892, 893 or 894
· Sales of L-892, 893, 894 are NOT refundable
· Maximum 100 ESNs per hardware key
· Requires KPG-64D to download PassPort ® ESN options into an 80-Series radio.
· Important: The hardware key is registered to the computer that it is first used on; it cannot be used on other computers.
· Empty hardware keys can be returned for 50% credit; call the LMR order desk for RMA #.
· Important: Retain depleted keys until a new one is received. It will be required to register the new key to the same computer.

KPG-64D	PassPort® ESN Field Installation Software V1.12 · V1.12: supercedes V1.11; upgrade to V1.12 recommended for improved ESN file database features	10.00
KPG-63D	PassPort® Radio Programming Software V2.00 or higher	65.00

Land-Mobile Price List

TK-5710

VHF FM Conventional & P25 Digital Mobile Radios

Model	*Description*	*List*
	RF Deck Only- Order Configuration Set & Assembly Labor Code for a Complete Mobile	
TK-5710BK	136-174MHz 10-50W 50 Zones/512 Channels (R.F. DECK ONLY)	$1,753.00
TK-5710HBK	136-174MHz 50-110W 50 Zones/512 Channels (R.F. DECK ONLY)	2,240.00

TK-5710 FEATURES:

GENERAL (FM & P25)
50 &110 W Models (136-174 MHz)
50 Zones / 512 Channels
Personality Lists
Voice Annunciation
Microphone Sense (Normal/ Emerg.)
External Speaker (SP)
Intercom (IC)
Public Address (PA)
Speaker1-2 Mute
TX Audio Monitor
Emergency Call Features
Emergency Suspend Power Off
Home Zone/CH
Direct Channel Access (5)
Channel Tracking
Tactical Group1
Minimum Volume
Monitor (MON)
Squelch Control (FM)
Talk Around
Busy Channel Lockout
Time Out Timer
Timed Power Off
Ignition Sense Features
Power-on Text Message or Clock
Transceiver Password (Keypad mic)
Data Password (Read/Write)
Date & 12/24 Hour Time Clock
Windows® Programming & Tuning
Windows® Firmware Uploading
Field-Programming & Tuning
Cloning
Embedded Message (64 Character)
Embedded Message with Password
Easy Option Port (26-pin)
MIL-STD-810 C/D/E/F
IP-54 Water & Dust Intrusion
MIL-STD Noise-Cancel Mic Option
12-Key DTMF Mic Option
VGS-1 Voice Storage Option

MOUNTING CONFIGURATIONS
Dash Mount
Single Control Head Remote Mount
Dual Control Head Remote Mount

FRONT PANELS / CONTROL HEADS
Backlit Dot Matrix LCD
3-Digit Sub-Display
Function/Status LCD Icons
LCD Brightness Control
Power On/Off Switch
Rotary Volume Knob
Rotary Selector Knob
Backlit Keys
PF Key Label Inserts
Recessed PF Key for Emergency
Microphone Jack
MILSTD 810 512.X Driven Rain

KCH-14 Front Panel
12-Character Alphanumeric Aliases
5 PF Keys w/ insert labels
UP/DOWN Keys
Built-in Front Speaker

KCH-15 Front Panel
14-Character Alphanumeric Aliases
11 PF Keys (9 w/insert label)
UP/DOWN Keys
External Speaker Required

SCAN TYPES (FM & P25)
Dual Priority Scan
Scan Lists (16 Lists)
Scan Revert Channel Display**
Channel Recall
Off-Hook Scan
Priority Channel Lock Alert
CH Delete/Add
Nuisance Delete
Priority Temporary Delete
Limited Talkgroup Scan*

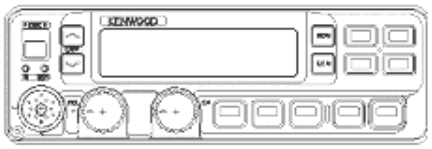
FM
QT / DQT
Operator Selectable Tone (40 pairs)
Two-Tone Decode (4 sets x 4 formats)
DTMF Decode (2 codes)
DTMF Radio Stun
DTMF PTT ID
DTMF Emergency ANI
DTMF Manual Encode6
DTMF Auto-Dial (32 numbers)
Signaling AND/OR
Off-Hook Decode
Horn Alert (HA)
Off-Hook Horn Alert
Special Alert Tone Patterns (8)
Encryption Board Control (16 Keys)
ANI Board Control
Companded Audio per Channel

FLEETSYNC® (FM)
FleetSync® or FleetSync® II
PTT ID Digital ANI
100 ID List Capacity
Caller ID Display
Caller ID Stack (last 3 calls)
Status Messaging
90 Status Message List
10-79 Custom Dispatch Statuses
10 Reserved Statuses
ST 98: Man-Down Emergency (portables)
ST 99: Emergency Status
ST 88: Emergency Mode Off
ST 89: Horn Alert Request (mobiles)
ST 90: Stun radio (No TX)
ST 91: Stun radio (No TX / No RX audio)
ST 92- Turn off Stun
ST 93- ACK stun is ON
ST 94- ACK stun is OFF
ST 80- No Such Status Prog. Response
ST 81-87, 95-97 (Reserved for future use)
Selective Call
Short Text Messages (stored/display)
Long Text Message (PC interface serial only)
Power On/Off Status Messages
Group Call (10 groups)
AUX Input/Output Status Messages (3 each)
FleetSync® PC Serial Interface (DB-25)

P25 DIGITAL
P25 Digital Conventional
P25 Digital Trunking Option
IMBE™ Vocoder
Talk Group ID Lists
Individual ID List
Caller ID Display
Remote Monitor
Radio Check
Radio Inhibit
Call Response
Clear Alert Tone
Encryption Key Delete
DES 16-Key Encryption Option
AES/DES 16-Key Encryption Option
Windows® DES/AES Key Programming
KPG-94 Motorola KVL3000 Interface Cable
OTAR Option***

**Future Option

INCLUDED ITEMS
English Instruction Manual
DC Cables, Microphones, mounting bracket & hardware, external speaker, front panel/control heads, control head cables are included in ordered configuration sets.



Configuration Sets

Model	Description	List
	Dash Mount	
10BHD	KCH-14M, KCT-23M2, KMB-9, KMC-27	$651.00
10BMD	KCH-14M, KCT-23M, KMB-5, KMC-27	623.00
10FHD	KCH-15M, KCT-23M2, KMB-9, KMC-27, KES-5	710.00
10FMD	KCH-15M, KCT-23M, KMB-5, KMC-27, KES-5	682.00
	Single Head Remote Mount	
10BHSH	KCH-14M, KRK-5, KCT-22M2, KCT-23M4, KMB-9, KMC-27	$877.00
10BMSH	KCH-14M, KRK-5, KCT-22M2, KCT-23M3, KMB-5, KMC-27	846.00
10FHSH	KCH-15M, KRK-5, KCT-22M2, KCT-23M4, KMB-9, KMC-27, KES-5	936.00
10FMSH	KCH-15M, KRK-5, KCT-22M2, KCT-23M3, KMB-5, KMC-27, KES-5	905.00
	Dual Head Remote Mount	
10BHDH	KCH-14M(x2), KRK-6DH, KCT-22M2(x2), KCT-23M4, KMB-9, KMC-27(x2)	$1,636.00
10BMDH	KCH-14M(x2), KRK-6DH, KCT-22M2(x2), KCT-23M3, KMB-5, KMC-27(x2)	1,605.00
10FHDH	KCH-15M(x2), KRK-6DH, KCT-22M2(x2), KCT-23M4, KMB-9, KMC-27(x2), KES-5(x2)	1,754.00
10FMDH	KCH-15M(x2), KRK-6DH, KCT-22M2(x2), KCT-23M3, KMB-5, KMC-27(x2), KES-5(x2)	1,723.00

Definition of Configurations

10 = 5710-series mobiles
B = Basic Front Panel
F = Full Featured Front Panel
H = High Powered
M = Medium Powered
DH = Dual Head Remote Mount
SH = Single Head Remote Mount
D = Dash Mount

Example 1: 10BHDH = 5710-series, Basic Front, High Powered, Dual Head Remote Mount, Single Band Radio
Example 2: 10BMD = 5710-series, Basic Front, Medium Powered, Dash-mount

Accessories for 5710-Series Mobile Radios

Model	Description	List
CABLES		
KCT-18	Ignition sense cable	13.00
KCT-22M	Control cable - 8 Feet	70.00
KCT-22M2	Control cable - 17 Feet (Standard accessory config. set cable)	80.00
KCT-22M3	Control cable - 25 Feet	90.00
KCT-23M	DC Cable (10-50W Dash mount)	30.00
KCT-23M2	DC Cable (50-110W Dash mount)	37.00
KCT-23M3	DC Cable (10-50W Remote mount)	33.00
KCT-23M4	DC Cable (50-110W Remote mount)	43.00
INSTALLATION ACCESSORIES		
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max)	39.50
KMB-10	Key Lock Adapter for use with KMB-5	25.00
KMB-5	Medium Power Mounting Bracket (10-50W models)	14.00
KMB-9	High Power Mounting Bracket with built-in key lock (50-110W models)	35.00
MICROPHONES AND SPEAKERS		
KES-5	External Speaker (40W max input)	59.00
KMC-27	MIL-SPEC noise-canceling mobile hand microhone (included with configration sets)	99.00
KMC-28	MIL-SPEC DTMF noise-canceling mobile hand microphone	155.00
KMC-9B	Desk top microphone	92.00
FRONT PANELS / REMOTE MOUNT KITS ***(for upgrade/replacements; order Configuration Sets for full install accessories)***		
KCH-14M	Basic Remote Control Head w/ 12 Alphanumeric Display (4W Front Speaker)	480.00
	Note: All KCH-14 / Basic Control Head configurations are shipped with the control heads 4W internal speaker enabled. Order L-1008 to enable the 13W external speaker output for KES-5 speaker use. This will disconnect the control heads internal 4W speaker !	
KCH-15M	Full-Featured Remote Control Head w/ 14 Alphanumeric Display (external speaker required)	480.00
KRK-5	Single Control Head Remote Mount Kit	140.00
KRK-6DH	Dual Control Head Remote Mount Kit	240.00

Accessories for 5710-Series Mobile Radios

Model	Description	List
SERVICE RELATED ACCESSORIES		
KPG-43	Programming Interface Cable for TK-5710 (requires KPG-95DK)	N/A
KPG-95DK V3.00 or later	Windows® Programming Software for TK-5210/5710 (98, ME, 2000 & XP compatible) No DES/AES encryption key loader An export license may be required (DOC/BIS ECCN 5D991)	598.00
KPG-95DTKL V2.00	Windows® Programming Software for TK-5210/5710 (98, ME, 2000 & XP compatible) Includes DES/AES encryption key loader; An export license is likely required (DOC/BIS ECCN 5D002A)	598.00
	IMPORTANT: P25 Trunked operation requires purchase of the P25 Trunked Network Option and the Install Labor Code (no charge). KPG-95D ships with a "Dealer Level License ID". This permits Conventional FM and P25 Conventional radio programming privileges only. To enable the KPG-95D for P25 Trunked Networked level programming privileges will require 1) Written verifiable authorization from the network owner/operator. 2) The 3-digit hexidecimal System ID from the network owner/operator. 3) Purchase of a KPG-95D Network Level ID Privilege option; Labor Code-989 (includes an encrypted KPG-95D "System Key Data File" containing the 16-digit Network Level License ID & 3-digit hexi-decimal System ID code)	
L-989	KPG-95DK Network Level ID Privilege (encrypted data file)	132.00
KPG-94	Key Loader Interface Cable for Motorola KVL-3000	$250.00
**********	**Call Kenwood Parts at 800-367-7514 to order the following:**	
K29-5276-03	Key Inserts for 90-series mobile (AN, D/A, DIM, HA, HC, IC, MON, OPT, OST, PA)	14.00
K29-5277-03	Key Inserts for 90-series mobile (RCL, RPT, SCN, SP, SPM, SQ, TA, <up arrow>, <down arrow>)	14.00
K29-5305-03	Key Inserts for 90-series mobile (CH1, CH2, CH3, CH4, CH5, AUXA, AUXB, AUXC, EMG, ORG)	14.00
K29-5276-03	Key Inserts for 90-Series/TK-5710 (AN, D/A, DIM, HA, HC, IC, MON, OPT, OST, PA)	14.00
K29-5277-03	Key Inserts for 90-Series/TK-5710 (RCL, RPT, SCN, SP, SPM, SQ, TA, <up arrow>, <down arrow>, 1x Clear key insert)	14.00
K29-5305-03	Key Inserts for 90-Series/TK-5710 (CH1, CH2, CH3, CH4, CH5, AUXA, AUXB, AUXC, EMG, ORG)	14.00
K29-9353-13	Key Inserts for TK-5710 (2TN, AD, AR, CLK, FNC, PBK, SCP, SEC, SEL, SES)	14.00
K29-9354-03	Key Inserts for TK-5710 (GPS, STS, TAC, TON, RES, IDV, KDL, TGR, 2x Clear key inserts)	14.00
K29-9356-03	Key Inserts for TK-5710 (PAG, SIT, SRC, 7 X Clear key inserts)	14.00

Options for TK-5710 Mobiles

Model	Description	List
FIRMWARE OPTIONS		
KWD-DE10[6]	TK-5710 DES-OFB Multi-key Encryption Option; 16 keys (Requires L-997)	550.00
L-997	Install DES-OFB P25 Encryption Option **(Must purchase firmware option seperately)**	N/C
KWD-AE10[6]	TK-5710 DES-OFB & AES Multi-key Encryption Option; 16 keys (Requires L-998) **U.S.** **DOC/BIS Export Controlled Item (ECCN 5A992A) See notes for information.**	950.00
L-998	Install AES Encryption Option **(Must purchase firmware option seperately)**	N/C
KWD-AR10	TK-5210/5710 Project 25 OTAR Option (Requires L-983 for portable and L-1003 for mobile) **U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) See notes for information.**	TBD
L-1003	Install OTAR Option in TK-5710 **(Must purchase firmware option seperately)**	N/C
KWD-TR10	TK-5210/5710 Project 25 Digital Trunking Option (Requires L-984 for portable and L-1004 for mobile)	TBD
L-1004	Install Project 25 Digital Trunking Option in TK-5710	N/C
OPTION MODULES		
VGS-1	Voice Storage Unit (VGS-1 provides Auto-Record, Voice Memo & Playback; The Voice Guide (a.k.a annunciaiton) function is built-in to the TK-5710 and does not require the VGS-1)	72.00
QE-2	G-Star® or MDC1200 ANI Board : PTT ANI, emergency & man-down **Important Factory Install Only –Order L-901 (MDC1200) or L-902 (G-Star) labor codes**	128.00

QE-2 G-Star®/ MDC1200 DIGITAL ANI MODULES by Cimarron Technologies

How to Order: Please see QE-2 Information and Order Sheet available from LMR Order Desk

1. Select the proper model/ quantity of radios, desired G-Star (L-902) or MDC-1200 (L-901) ANI format labor code.
2. Refer to the "QE-2 MDC-1200 Information/Order Sheet" available from the LMR Order Desk; select the ID format, ID codes and other feature options
3. Fax the Order Sheet with your radio order to your authorized Kenwood Rep or LMR Order Desk

All order sheet items must be filled out even if the feature option is "disabled" (incomplete Order Sheets will not be processed).

a. Orders are only accepted on new radio purchases. No retrofits, module-only or "tune & ship loose" orders are accepted.

b. Allow a min. 1 week delivery ARO for 1- 25 units (allow min. 3 weeks for 25 units and up).

Notes:

Dealers can purchase a QE-2 programmer , Model QPF-2, direct from Cimarrron Technologies Call 800-487-7184 www.cimtechcorp.com

QE-2 will be replaced in late 2005 with a new Cimarron ANI Module with Easy Option Port plug-in (26-pin)

Encryption Boards

The radios Encryption/ANI Port (PCB hardwire solder lands) is designed to interface with the typcial aftermarket encryption and ANI boards. This radio supports the interface required for boards from various manufacturer(s). Contact the manufaturer for current product information and Kenwood radio model application notes.

Transcrypt Secure Technologies
3900 NW 12th Street, Suite 200
Lincoln, NE 68521
Phone: 800-228-0226
website: www.transcryptsecure.com

Wire Harness Boards: Transcypt SC20-4XXX Series, SC20-DES-LP
Easy Option Port plug-in (26-pin) Boards: Transcrypt KW21-4XX Series

Installation / Tuning Charges for TK-5710 Mobile Radios

Model	*Description*	*List*
L-846	Package Dash/Single Head Remote for 90series/5710 mobiles	$17.00
L-847	Package Dual Head Remote for 90series/5710 mobiles	34.00
L-1005	Tune TK-5710 (Basic TX/RX check only with factory test freq.s or dealer/customer provided KPG-95D data file)	125.00
L-1006	Modify TK-5710 for Horn Alert relay output (1 amp max.; relay factory installed already)	25.00
L-862[2]	Install Front Panel PF Key Label Inserts in TK-5710/90-series Mobile (key names and positions must be specified)	15.00
L864[3, 4]	KCT-22A Extended Control Head Cable (up to 50 ft. max.)[4]	190.00
L865[3, 4]	KCT-22A Extended Control Head Cable (up to 100 ft. max.)[4]	245.00
L866[5]	Modify KCT-23M2/M4 110W High Power DC Cables from 4 to 2 Conductors (1x23 ft. positive, 1x23 ft. negative; AWG #10)	75.00
L-1008	External Speaker modification for TK-5710 mobile Control Head (13W) Note: All Basic Control Head (KCH-14M) configurations are shipped with the control heads 4W internal speaker enabled. Order L-1008 to enable the 13W external speaker output for KES-5 speaker use. This will disconnect the control heads internal 4W speaker!	10.00
L-901	Program and install QE-2 MDC1200 Encoder	75.00
L-902	Program and install QE-2 G-Star® Encoder	75.00
L-962	Install VGS-1 Voice Guide & Storage Unit	25.00
L-989	KPG-95DK Network Level ID Privilege (encrypted data file)	132.00
L-997	Install DES-OFB P25 Encryption Option **(Must purchase firmware option seperately)**	N/C
L-998	Install AES Encryption Option **(Must purchase firmware option seperately)**	N/C
L-1003	Install OTAR Option in TK-5710 **(Must purchase firmware option seperately)**	N/C
L-1004	Install Project 25 Digital Trunking Option in TK-5710	N/C

2 KWD-DE10 (DES-OFB) or KWD-AE10 (AES) High Level Encryption Options and radios containing encryption are export controlled by the U.S. Department of Commerce Bureau of Industry & Security EAR regulations and may either require an Export License, are eligible for a License Exception (ENC) or are exportable with No License Required (NLR) depending on the country, the consignee and the intended use. High level encryption is a special commodity that may likely require an export license to most countries. See www.bis.gov for more information regarding export regulations. DO NOT SHIP encryption items outside the U.S. without proper DOC/BIS Export License and/or compliances. Kenwood may request the follwoing information to be submitted at time of order (this information must meet Kenwood internal approvals prior to shipment even if being returned to Kenwood later):
a. Initial Destination: Intial delivery point if different from Ulitmate Destination (customer distribution center, headquarters, dealership, manufacturer's representative)
* Business/Agency Name:
* Address
* Contact Person Name
* Contact Phone:
b. Ultimate Destination: Final delivery point(s); deployment/distribution
* Business/Agency Name
* Address:
* Contact Person Name:
* Contact Phone:
c. Intended Use of Radios: Law enforcement, security, operations, etc.

2. Key Inserts: For new radio tune orders only. Installs only the included KCH-14/15 key inserts. Must specify keys and placement (see Service Manuals for placement diagram, pg. 14). Also, see Service Manuals for technical details. Key Inserts are available from Kenwood Parts Dept.

3. Please specify exact length at 1ft. increments when ordering.

4. Extended control head cables: Using extended control head cables instead of the standard cables will result in a loss of speaker audio power to the control heads. For either type control head (KCH-14/15) it is recommended that the 13W audio outputs be used to drive extended cable runs and a KES-5 external speaker. Refer to the radio service manual for 13W modifications for the KCH-14 (the KCH-15 does not require any modification). Note: Installing new radio firmware (hex files) via the KPG-95D software nor checking the firmware "checksum" may not be possible through an extended control head cable. A standard KCT-22 cable of 25 ft. or less should be used when this has to be done. Normal KPG-95D radio parameter programming is possible at extended lengths.

5. This modifies the following four conductor DC Cables to two conductor:
KCT-23M2 75/110W Dash Mount DC Cable (4 Conductor: 2x10 ft. positive, 2x10 ft. negative)
KCT-23M4 75/110W Remote Mount DC Cable (4 Conductor: 2x23 ft. positive, 2x23 ft. negative)

KENWOOD

Jun-05
Last Revised: 06/01/05

Land-Mobile Price List

TK-6110
Compact Low Band Mobile

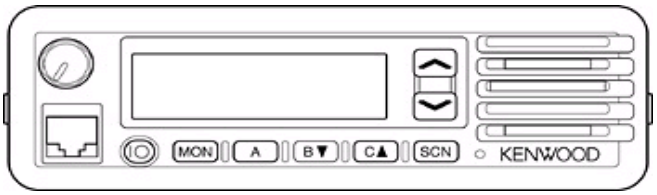
Model	*Description*	*List*
VHF	***Mic (KMC-27B), D.C. Power Cable and Mounting Bracket Included***	
TK-6110K	VHF Low Band 29.7 – 37.0 MHz 70W, 32 Channels	$750.00
TK-6110K2	VHF Low Band 35.0 – 50.0 MHz 70W, 32 Channels	750.00

TK-6110 FEATURES:

32 Channels
70 W Transmitter Power Output
8 Character Alphanumeric LCD (13 Segment)
3 Digit Display and Icons
Two Color Tri-State LED
Up/Down Channel Selector
Mechanical Volume Knob
Power On/Off Button
Front Panel Internal Speaker
Noise Blanker Function
Single Priority Scan
Home Channel
7 Programmable Radio Keys
MIL-STD 810 C, D, & E
Heat-sink / Die-Cast Chassis
Two Tone Decode
DTMF Decode
DTMF Dead Beat Disable (DBD)
DTMF PTT ANI Encode
QT/DQT Tone/Digital Coded Squelch
Operator Selectable Tone (QT/DQT)
Encryption Board Port/Control
Digital ANI Board Port/Control
Emergency Key & Call Channel Features

Foot Switch Input
Ignition-Sense Function
Timed Power Off Function
Horn Alert Function
Data Password
Cloning

PC Programming and Tuning
Flash ROM Memory
15 Pin Accessory Connector
8 Pin Modular Microphone Jack
M-Type Antenna Connector (pig-tail)
Unavailable Frequencies:
TK-6110K (29.7 - 37.0 MHz model): 33.60 MHz
TK-6110K2 (35.0 - 50.0 MHz model): 42.00 MHz



IMPORTANT NOTICE [Power/Bandwidth vs. VSWR]
The TK-6110 mobiles output power will be significantly reduced with VSWR = 1.5 or greater.
TK-6110 Output Power Performance (nominal; transmission line losses not included)

VSWR	Output Power
1.2 or less	70W or more
1.3-1.5	60W or more
More than 1.5	60W or less

The following table shows the bandwidth performance of a typical low band antenna maintaining a VSWR= 1.5 or less with the TK-6110 models.

TK-6110K		TK-6110K2	
Frequency	Bandwidth	Frequency	Bandwidth
29.7MHz	0.4MHz (+/-0.20MHz)	35.0MHz	1.0MHz (+/-0.5MHz)
33.0MHz	0.4MHz (+/-0.20MHz)	40.0MHz	1.8MHz (+/-0.9MHz)
37.0MHz	1.0MHz (+/-0.50MHz)	50.0MHz	1.8MHz (+/-0.9MHz)

IMPORTANT NOTICE:
The TK-6110 design *eliminates* the need for the following accessories typical of Kenwood compact mobiles:
1. KCT-19: 15-pin accessory connector is built in.
2. KAP-1: the Horn Alert output is provided on the 15-pin connector (see service manual for maximum current rating).

Audio Power: 3W internal speaker / 10W external speaker (KES-5).
FleetSync® is not available for the TK-6110.
KES-3 is not compatible, use KES-5.
The following frequencies are not allowed in the TK-190 and TK-6110 models: 33.6 MHz and 42.0 MHz.

Accessories for the TK-6110 Series Radios

Model	Description	List
CABLES		
KCT-18	Ignition sense cable	13.00
INSTALLATION ACCESSORIES		
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	39.50
MICROPHONES AND SPEAKERS		
KES-5	Ext. speaker, 40W max input; blk,. case, 5"x5"x2-9/16" (plugs into TK-6110 6-pin molex acc. conn.)	59.00
KMC-27A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug)	99.00
KMC-27B	Standard dynamic mobile microphone (8-pin mod. plug) --- same as supplied with radio	40.00
KMC-28A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug) w/ DTMF	155.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	82.00
MISCELLANEOUS ITEMS		
KPS-10A	DC power supply (gray case)	209.00
SERVICE RELATED ACCESSORIES		
KPG-46	Radio Programming Interface Cable	N/A
KPG-59DK	Program Software for TK-190/6110 (Version 2.00)	N/A
**********	**Call Kenwood Parts at 800-367-7514 to order the following:**	
E30-3382-05	Clone cable	13.54
J29-0662-03	Mounting bracket (Same as supplied)	7.36
N99-0395-05	Screw set for mounting bracket Part #J29-0662-03	2.99

DIGITAL ANI MODULES

QE-2 G-Star®/ MDC1200 DIGITAL ANI MODULES by Cimarron Technologies

How to Order: Please see QE-2 Information and Order Sheet available from LMR Order Desk

1. Select the proper model/ quantity of radios, desired MDC-1200 (L-901) or G-Star (L-902) ANI format labor code.
2. Refer to the "QE-2 MDC-1200 Information/Order Sheet" available from the LMR Order Desk; select the ID format, ID codes and other feature options
3. Fax the Order Sheet with your radio order to your authorized Kenwood Rep or LMR Order Desk

All order sheet items must be filled out even if the feature option is "disabled" (incomplete Order Sheets will not be processed).

a. Orders are only accepted on new radio purchases. No retrofits, module-only or "tune & ship loose" orders are accepted.
b. Allow a min. 1 week delivery ARO for 1- 25 units (allow min. 3 weeks for 25 units and up).

Notes:

Emergency "Man-down" features require an installed CAE-3 internal man-down tilt switch option (portables only).
Dealers can purchase a QE-2 programmer , Model QPF-2, direct from Cimarrron Technologies Call 800-487-7184www.cimtechcorp.com

QE-2	G-Star® or MDC1200 ANI Board : PTT ANI, emergency & man-down **Important: Kenwood factory Install Only –Order L-901 or L-902**	128.00

Installation / Tuning Charges for the TK-6110 Series Radios

Model	Description	List
L-901	Program and install QE-2 MDC1200 Encoder	75.00
L-902	Program and install QE-2 G-Star® Encoder	75.00
L-911	Tune TK-190/TK-6110	25.00

KENWOOD

Jun-05
Last Revised: 06/01/05

Land-Mobile Price List

TK-7150/8150

VHF / UHF Trunking & Conventional Mobile Radios

Model	*Description*	*List*
VHF	***Includes: KMC-27B Mic., KCT-23M DC Cable, Mounting bracket, key label inserts***	
TK-7150	136-174 MHz, 50 W, 128 Conventional/ 32 LTR Zones max.	$700.00
UHF	***Includes: KMC-27B Mic., KCT-23M DC Cable, Mounting bracket, key label inserts***	
TK-8150	450-500 MHz, 45 W, 128 Conventional/ 32 LTR Zones max.	733.00

TK-7150/8150 FEATURES:

GENERAL FEATURES:
50W VHF & 45W UHF
DSP Processing
Wide Frequency Range
Wide/Narrow Channel Spacing
Programmable Power Per Channel
Remote Mount Capable (KRK-9)
3.5 W Front Panel Speaker
12 W External Speaker Output
Companded Audio Per Channel
12-Character Alphanumeric Display
3-Digit Numeric Sub-Display
Dot Matrix Backlit LCD
TX/Busy LED Indicators
LCD Backlight Control
6 PF Keys with Label Inserts
Volume Knob / Power ON/Off Button
Zone/ CH Selector Knob
Dynamic Channel/Zone Allocation
Home CH/GID
5 CH. Direct Channel Select (User)
CH/GID Selector Tracking & Recall
Send GPS
Speaker Internal-External Switch
Squelch Level
FleetSync® & FleetSync® II ***
Encryption/Scrambler Board Support
ANI Board Support
Dual ANI & Scrambler Board Install
Emergency Call (DTMF& FleetSync®)
DTMF Decode Selective Call
DTMF Deadbeat Disable
DTMF PTT ID & DTMF Emergency ID
Auto-Dial Memory (32 numbers)
Horn Alert (Programmable Output)
Public Address
DB-25 Accessory Connector
AUX A Output (High or Open Coll.)
AUX B Output (High or Open Coll.)
AUX Inputs 1-4 (F-Port)
AUX Outputs 1-4 (F-Port)
16 CH. Remote Ctrl. I/O's (F-Port)
Data Port I/O's (F-Port)
FleetSync® COM 1 & 2 (DB-25)
6-Pin Accessory Connector
Ignition Sense On/Off
Timed Power Off with Ignition Sense
Inhibit PTT ID in TA
PTT Release Tone
Minimum Volume
Control Tones/Offset Volume
Power On Text
Embedded Message (64 Char.)
Embedded Message w/Password
Data Password ("Anti-piracy")
Radio Password (Radio Lock)
Clone Capability (enable/disable)
PC Programming & Tuning
Flash ROM Firmware
Windows® Programming Software
KES-5 External Speaker
MIL-Spec/Noise-Cancel Mic Options
KDS-100 Compatible (KCT-40M)
KGP-2A/2B Compatible (KCT-40M)
MIL-STD 810 C, D, E & F

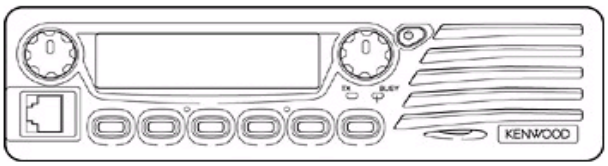
INCLUDED ITEMS
KMC-27B Standard Microphone
DC Cable
Mounting Bracket
Instruction Manual
2 Year Warranty Card

CONVENTIONAL ZONE OPERATION
128 Zones (max.)
Dual Priority Scan
Single/Multi-Zone & List Scan
Scan Revert Channel Display
Scan Delete/Add
Nuisance Delete
QT/DQT Encode & Decode
Operator Selectable Tone (16 OST)
2-Tone Decode (4 x 4 Decoding)
Tones: A, B, C, D; Seq.:A-B, A-C, C-B, A-D, C-D
4 Decode Groups x 4 Decode pairs
8 Unique Alert Tone Patterns
2-Tone Encode (32 Selectable Pairs)
BCL/BCL Override, TOT & TA

LTR ZONE OPERATION
32 Zones (max.)
250 GIDs max.
LTR Talk Around
Scan Revert Group Display
System Scan & Group Scan
Auto System Search

FLEETSYNC® / FLEETSYNC® II *
Programmable for either FleetSync® I or FleetSync® II protocols
PTT ID (Digital ANI)
Caller ID Display (per CH;, 100 ID List)
Status Messaging (50 Msg. List capacity)
70 Custom Dispatch Messages
9 Reserved Special Use Messages
ST# 98 - Man Down Emergergency (portables)
ST# 99- Emergency Status
ST# 88- Emergency Mode Off
ST# 89- Horn Alert Request
ST# 90- Stun radio (No TX)
ST# 91- Stun radio (No TX / No RX audio)
ST# 92- Turn off Stun
ST# 93- ACK stun is ON
ST# 94- ACK stun is OFF
ST# 80-87, 95-97 (reserved for future use)
Selective Call (100 ID List, Last 3 Message Stack)
Short Text Messages** (stored/display)
Long Text Message** (req. KDS-100, KCT-40//36)
PC Serial Control Interface** (req. computer serial cable)
FS GPS Data** (req. aftermarket GPS/modification)

*** Fleetsync® Enhanced features (factory enabled)*
**** FleetSync® II air protocol is not compatible with the original FleetSync® air protocol. The TK-7150/8150 FleetSync PC Serial interface is the same regardless of FleetSync® or FleetSync® II operation with dispatch software applications.*



Accessories for the TK-7150/8150 Series Radios

Model	Description	List
MOBILE INSTALLATION ACCESSORIES		
KCT-18	Ignition sense cable (plugs into TK-7150/8150 mobile 6-pin acc.conn.)	13.00
KCT-22M	Remote Control Cable - 8 Feet; TK-7150/8150; 90-Series	70.00
KCT-22M2	Remote Control Cable - 17 Feet (typical sedan length); TK-7150/8150; 90-Series	80.00
KCT-22M3	Remote Control Cable - 25 Feet; TK-7150/8150; 90-Series	90.00
KCT-23M	DC Cable (35-50W Dash mount; pos/neg. 10 ft. leads)- **same as supplied with radio**	30.00
KCT-23M3	DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	33.00
KCT-36	KCT-34/35/39/40M Extension Cable; 117.6 inches (9.8 ft)	42.00
KCT-40M	KGP-2A/2B & KDS-100 Radio Interface Cable for 150/180-Series Mobiles	28.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	39.50
KRK-9	Remote Control Kit for TK-7150/8150 (purchase KCT-22M/M2/M3 cable separately)	47.00
CONTROL STATION INSTALLATION ACCESSSORIES		
	Notes: FleetSync® PC Serial Interface connections to a computer can be made with a standard computer serial cable; DB-25 male (mobile) -to- DB-9/25 female (computer). The TK-7150/8150 does not require a special Kenwood KCT-cable.	
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	82.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak) **Compatible with medium & high power compact mobiles only:** *60G/60HG/62G/62HG/80/150/180/160-series mobiles*	167.00
MICROPHONES AND SPEAKERS		
KES-5	Ext. speaker, 40W max input; blk,. case, 5"x5"x2-9/16" (plugs into 7150/8150 6-pin molex acc. conn.)	59.00
KMC-27A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug)	99.00
KMC-27B	Standard dynamic mobile microphone (8-pin mod. plug) --- **same as supplied with radio**	40.00
KMC-28A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug) w/ DTMF	155.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	82.00
FLEETSYNC® MOBILE DATA TERMINAL	***(See KDS-100 price pages for details)***	
KDS-100	FleetSync® Data Terminal- Includes mounting bracket, mounting hardware and DC Cable	595.00
KCT-40M	KGP-2A/2B & KDS-100 Radio Interface Cable for 150/180-Series Mobiles	28.00
KCT-36	KCT-34/35/39/40M Extension Cable; 117.6 inches (9.8 ft)	42.00
KPG-71D	Programming Software for KDS-100 Windows® 95/98/Me	99.00
KAS-2FSD	FleetDispatchPRO: FleetSync® messaging dispatch software for PC (Windows® 98/Me/NT/2000/XP compatible) Supports the following FleetSync® features: decodes PTT ID, decodes Emergency, encode/decodes Status Messages, encodes Short & Long Text Mesages. ***Note***: TK-7150/8150 base mobile connects to PC via standard DB-25 serial cable; not supplied.	365.00

COMPUTER SYSTEM REQUIREMENTS
- ☐Windows® 98/Me/NT/2000/XP OS / Pentium II 450 MHz or better
- ☐10 MB of hard disk drive space / 64MB RAM / CD ROM Drive / Mouse
- ☐Super VGA color monitor or better / 1024 x 768 or higher resolution setting
- ☐1 Serial Port (for mobile serial cable)
- ☐1 Parallel Port (for FleetDispatchPRO hardware key; single PC use only; not LAN compatible)
- ☐Package Contents: CD ROM, Instruction Manual, Hardware Key

MOBILE PC STATION REQUIREMENTS
- ☐FleetSync® PC Serial Interface capable (FleetSync enhanced enabled)
- ☐Installed PC Serial Interface Cable (see mobile options/accessories)
- ☐Base Station Desktop Microphone recommended (see mobile options/accessories)

AVL UNITS	**See the AVL price pages for detailed information**	
KGP-2A	GPS Receiver / Modem Unit (includes one dash-mount GPS antenna, mounting bracket, screw set	525.00
KGP-2B	Base Modem Unit	225.00
KCT-40M	KGP-2A/2B & KDS-100 Radio Interface Cable for 150/180-Series Mobiles	28.00
KCT-36	KCT-34/35/39/40M Extension Cable; 117.6 inches (9.8 ft)	42.00
KPG-73D	Programming Software for KGP-2A/2B Windows® 95/98/Me	99.00

Accessories for the TK-7150/8150 Series Radios

Model	Description	List

QE-2 G-Star®/ MDC1200 DIGITAL ANI MODULES by Cimarron Technologies

How to Order: Please see QE-2 Information and Order Sheet available from LMR Order Desk

1. Select the proper model/ quantity of radios, desired MDC-1200 (L-901) or G-Star (L-902) ANI format labor code.
2. Refer to the "QE-2 MDC-1200 Information/Order Sheet" available from the LMR Order Desk; select the ID format, ID codes and other feature options
3. Fax the Order Sheet with your radio order to your authorized Kenwood Rep or LMR Order Desk

All order sheet items must be filled out even if the feature option is "disabled" (incomplete Order Sheets will not be processed).

a. QE-2's are Kenwood installed only; these are not available as "shipped loose" (pre-programmed or not).

b. Allow a min. 1 week delivery ARO for 1- 25 units (allow min. 3 weeks for 25 units and up).

Notes:

Emergency "Man-down" features require an installed CAE-3 internal man-down tilt switch option (portables only).

Dealers can purchase a QE-2 programmer , Model QPF-2, direct from Cimarrron Technologies Call 800-487-7184 www.cimtechcorp.com

QE-2	G-Star® or MDC1200 ANI Board : PTT ANI, emergency & man-down **Important: Kenwood factory Install Only** –Order L-901 or L-902	128.00

SERVICE RELATED ACCESSORIES

KPG-46	Mobile Programming interface cable (8-pin mic jack mobiles)	N/A
KPG-79DK	P.C. Programming Software for TK-7150/8150 Windows® 98,2000,Me & XP	N/A
	Call Kenwood Parts at 800-367-7514 to order the following:	
E30-3382-05	Clone cable	13.54
J29-0697-XX	Mounting bracket for TK-7150/8150 (hardware N99-0395-x5)- **same as supplied with radio**	TBD

Installation / Tuning Charges for the TK-7150/8150 Series Radios

Model	Description	List
L-939	Tune TK-7150/8150	50.00
L-940	Assemble TK-7150/8150 with KRK-9 Remote Kit	35.00
L-901	Program and install QE-2 MDC1200 Encoder	59.00
L-902	Program and install QE-2 G-Star® Encoder	59.00

KENWOOD

Dec-05
Last Revised: 12/15/05

Land-Mobile Price List

TK-7160/8160

VHF / UHF Conventional Mobile Radios

Model	*Description*	*List*
VHF	***Includes: KMC-35 Mic., DC Cable, Mounting bracket***	
TK-7160K	136-174 MHz 25W, 128 CH / 128 Zone Conventional	$467.00
TK-7160HK	136-174 MHz 50W, 128 CH / 128 Zone Conventional	533.00
UHF	***Includes: KMC-35 Mic., DC Cable, Mounting bracket***	
TK-8160K	450-490 MHz 25W, 128 CH / 128 Zone Conventional	483.00
TK-8160HK	450-490 MHz 45W, 128 CH / 128 Zone Conventional	550.00

TK-7160/8160 FEATURES:

GENERAL
25/45W UHF & 25W/50W VHF Models
Wideband UHF (40 MHz)/VHF(38 MHz)
Conventional 128 Channels / 128 Zones
Single Priority Scan
Single/Multi-Zone Scan
Scan Revert Channel Display
Priority Channel Stop Tone
CH Delete/Add
Zone Delete/Add
Talk Around
Backlit 13-Segment LCD
8-Character Alphanumeric Aliases
Power On Text Message (LCD)
9 Programmable Function Keys
Emergency/AUX Key]
Kenwood Enhanced Audio
Companded Audio Per Channel
4 Watt Front Panel Speaker
Horn Alert (FleetSync®, 2-Tone or DTMF decode)
Voice Inversion Scrambler Built-in
Encryption/ ANI Board Control
Emergency Calling Features
Emergency Foot/Panic Switch Input
Emergency Suspend Power Off
Emergency Mic Sensitivity
Emergency Background TX Tone
Signaling AND/OR (per Zone)
Audio Control per Zone
(QT/DQT, QT/DQT + Option Sig)
QT / DQT (Encode / Decode)
Operator Selectable Tone (40 code pairs)
Two-Tone Decode (3 pairs)
Single / Two-Tone Encode (10)
DTMF Encode / Decode
DTMF Stun
DTMF PTT ID
DTMF Emergency ANI
DTMF Manual Encode (KMC-36)
DTMF Auto-Dial (9 numbers)
Special Alert Tones (8 Sequences)
Call Key 1 &2 (FleetSync®, 2-Tone or DTMF encode)
Embedded Message (64 Character)
Embedded Message with Password
Microphone Sensitivity Select
Tone Volume
Minimum Volume
Busy Channel Lockout
Time Out Timer (per radio)
Ignition Sense / Timed Power Off
Transceiver Password
Data Password (Read/Write)
Windows® Programming & Tuning
English/Spanish Program Screen Language
Electronic Serial Number
Front Panel Field Program Mode
Cloning (wired)
KCT-39 Accessory Cable Option
8 Programmable Port I/Os (External/Internal options)
Ignition Sense (KCT-39/KCT-18)
Timed Power Off
PA/HA Option (KAP-2)
KGP-2A/2B Compatible (KCT-39/36 required)
KDS-100 Compatible (KCT-39/36 required)
KES-3 Compact External Speaker Jack (3.5 mm jack)
KES-5 External Speaker (KAP-2 required)
KMC-36 DTMF/Function Keypad Microphone
MIL-STD-810 C/D/E/F (11 cat.)
2 Year Warranty

INCLUDED ITEMS
DC cable, fuses, mounting bracket, mic hanger & hardware, KMC-35 microphone
English/Spanish Instruction Manual

FLEETSYNC® (FleetSync® II is NOT supported)
PTT ID Digital ANI
100 ID List Capacity
Caller ID Display
Caller ID Stack (last 3 calls)
Status Messaging:
50 Custom Status Message List Capacity
70 Protocol -supported Status Messages
10 Special Use Statuses (ST 98-99, 88-94, 80)
ST 98: Man-Down Emergency (portables)
ST 99: Emergency Status
ST 88: Emergency Mode Off
ST 89: Horn Alert Request (mobiles)
ST 90: Stun radio (No TX)
ST 91: Stun radio (No TX / No RX audio)
ST 92- Turn off Stun
ST 93- ACK ST-90 (Stun, No TX)
ST 94- ACK ST-91 (Stun; No TX/ No RX audio)
ST 80- No Such Status Programmed Response
1 0 Reserved for future use statuses (ST 81-87, 95-97)
Selective Call
Input (Enter) / Output Status Messages
FleetSync® GPS Ready **
FleetSync® PTT ID & Emergency with GPS**
FleetSync® Ignition On / Off with GPS* *

**** FleetSync® GPS related features require**
An aftermarket GPS unit with NMEA (TTL level serial data output; Port 2 (Input)= GPS NMEA

160-Series DOES NOT support:
FleetSync® Short & Long Text Messages
FleetSync® PC Serial Protocol
KAS2-FSD Fleet Dispatch (as a PC / base station)

Accessories for the TK-7160/8160 Series Radios

Model	Description	List
MOBILE INSTALLATION ACCESSORIES		
KAP-2	Horn Alert/P.A. Relay Option	60.00
KCT-18	Ignition sense cable (requires KCT-39 Acc. Cable Option)	13.00
KCT-39	KGP-2A/2B & KDS-100 Radio Interface & Accesory Cable	21.00
KCT-36	KCT-34/35/39/40M Extension Cable; 117.6 inches (9.8 ft)	42.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	39.50
KMB-10	Key lock adapter	25.00
	Mobile mounting bracket (same as supplied): see service manaul for part number	
CONTROL STATION INSTALLATION ACCESSORIES		
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	82.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak) **Compatible with medium & high power compact mobiles only.**	167.00
MICROPHONES AND SPEAKERS		
KES-3	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	42.00
KES-5	External speaker, 40W max output, blk case; 5"x5"x2-9/16" (NOTE: requires KAP-2 PA/HA unit!)	59.00
KMC-35	Standard dynamic MILSTD mobile microphone (8-pin mod. plug) --- **same as supplied with radio**	50.00
KMC-36	Standard dynamic MILSTD mobile microphone with DTMF keypad (8-pin mod. plug)	90.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	82.00
FLEETSYNC® MOBILE DATA TERMINAL	***See the KDS-100 price pages for detailed information***	
KDS-100	FleetSync® Data Terminal- Includes mounting bracket, mounting hardware and Connecting Cable Note: 160-Series mobiles do not support FleetSync® PC Serial Data Protocol so the KDS-100 must operaet in "Air mode". KCT-39 Radio Interface cable is required. Use a KCT-36 9.8 ft. for an extension cable.	595.00
KCT-36	KCT-34/35/39/40M Extension Cable; 117.6 inches (9.8 ft)	42.00
KCT-39	KGP-2A/2B & KDS-100 Radio Interface & Accessory Cable	21.00
KPG-71D	Programming Software for KDS-100 Windows® 95/98/Me	99.00
AVL UNITS	**See the AVL price pages for detailed information**	
KGP-2A	GPS Receiver / Modem Unit (includes one dash-mount GPS antenna, mounting bracket, screw set) Note: Requires KCT-39.	525.00
KGP-2B	Base Modem Unit Note: Requires KCT-39	225.00
	Note: A KGP-2A/2B AVL system requires compatioble aftermarket AVL mapping dispatch software -see AVL price pages	
KPG-73D	Programming Software for KGP-2A/2B Windows® 95/98/Me	99.00
KCT-36	KCT-34/35/39/40M Extension Cable; 117.6 inches (9.8 ft)	42.00
KCT-39	KGP-2A/2B & KDS-100 Radio Interface & Accesory Cable	21.00
OPTION MODULES		
QE-2	G-Star® or MDC1200 ANI Board : PTT ANI & Emergency **Important Factory Install Only – Order L-901 or L-902**	128.00

QE-2 G-Star®/ MDC1200 Digital ANI Boards by Cimarron Technologies

Pre-programmed & installed boards require a completed "QE-2 Information and Order Sheet" (available from Kenwood LMR Order Desk) submitted with order.

Notes:

a. QE-2's are Kenwood installed only; these are not available as "shipped loose" (pre-programmed or not).
b. Allow a min. 1 week delivery ARO for 1- 25 units (allow min. 3 weeks for 25 units and up).
c. QE-2 Programmers are NOT available from Kenwood. Purchase model QPF-2, direct from Cimarrron Technologies Call 800-487-7184 www.cimtechcorp.com

Encryption Boards

The radios Encryption/ANI Port (PCB hardwire solder lands) is designed to interface with the typcial aftermarket encryption and ANI boards.
This radio supports the interface required for boards from the following manufacturer(s); contact the manufaturer for product information and Kenwood radio model application notes:

Transcrypt Secure Technologies
3900 NW 12th Street, Suite 200
Lincoln, NE 68521
Phone: 800-228-0226
website: www.transcryptsecure.com

Typical Models (check with vendor for most recent product info)
SC-20-416/430/460-12
KW21-416/430/460

Accessories for the TK-7160/8160 Series Radios

Model	*Description*	*List*
SERVICE RELATED ACCESSORIES		
KPG-46	Mobile Programming interface cable (for 8-pin modular mic jack mobiles)	N/A
KPG-99DK	Windows® Programming Software for TK-7160/8160 (98, ME, 2000 & XP compatible)	N/A
	Call Kenwood Parts at 800-367-7514 to order the following:	
E30-3382-05	Clone cable	$11.28
J29-0662-03	Mounting bracket for TK-7180/8180/7160/8160--same as supplied w/ radio (order N99-2039-05 for mounting screw set)	

Installation / Tuning Charges for the TK-7160/8160 Series Radios

Model	*Description*	*List*
L-985	Tune TK-7160/8160	37.50
L-966	Install KAP-2 (Default) HR1/Internal Sp./PA	25.00
L-1010	Install KAP-2 (External Sp.) HR1/External Sp./PA	25.00
L-901	Program and install QE-2 MDC1200 Encoder	75.00
L-902	Program and install QE-2 G-Star® Encoder	75.00

KENWOOD

Nov-05
Last Revised: 11/01/05

Land-Mobile Price List

TK-7180/8180

VHF / UHF Trunking & Conventional Mobile Radios

Model	*Description*	*List*
VHF	***Includes: KMC-35 Mic., DC Cable, Mounting bracket***	
TK-7180K	136-174 MHz 30W, 512 CH / 128 Zone CONV-& LTR	$558.00
TK-7180HK	136-174 MHz 50W, 512 CH / 128 Zone CONV-& LTR	$684.00
UHF	***Includes: KMC-35 Mic., DC Cable, Mounting bracket***	
TK-8180K	450-520 MHz 30W, 512 CH / 128 Zone CONV-& LTR	$575.00
TK-8180HK	450-520 MHz 45W**, 512 CH / 128 Zone CONV-& LTR	$700.00
TK-8180K2	400-470 MHz 30W, 512 CH / 128 Zone CONV-& LTR	$575.00
TK-8180HK2	400-470 MHz 45W, 512 CH / 128 Zone CONV-& LTR	$700.00

TK-7180/8180 FEATURES:

GENERAL
30** Watt UHF & VHF Models
45**/50 Watt UHF & VHF Models
Wide Band: UHF 70 MHz / VHF 38 MHz
Conventional & LTR Zones
512 Channels / 128 Zones
Remote Control Head Option (KRK-10)
Home CH/GID
Direct Channel/GID Access (5)
12 Character Alphanumeric Aliases
Backlit Dot Matrix LCD
3-Digit Sub-Display
RSSI Indicator
Date & Time Clock
Power On Text Message
Emergency/AUX Key (△)
6 Programmable Function Keys
Kenwood Enhanced Audio
Companded Audio Per Channel
4 W Front Panel Speaker Audio
DB-25 Acc. Conn. /Programmable Interface
Ignition Sense Line (pigtail)
KAP-2 PA/HA Unit
Horn Alert (FleetSync®, 2-Tone, DTMF decode)
Easy Option Port
VGS-1 Voice Guide & Storage Unit
Voice Inversion Scrambler Built-in
Encryption/ANI Board Control
Emergency Calling Features
Signaling AND/OR (per Zone)
DTMF Decode
DTMF Stun
DTMF PTT ID
DTMF Manual Encode (keypad models)
DTMF Auto-Dial (32 numbers)
Call Key (FleetSync®, 2-Tone or DTMF encode)
Special Alert Tones (8 Sequences)
Embedded Message (64 Character)
Embedded Message with Password
Microphone Sensitivity Adjust
Tone Volume
Min / Max. Speaker Volume
Time Out Timer (per Zone)
Timed Power Off
Transceiver Password
Data Password (Read/Write)
Windows® Programming & Tuning
English/Spanish Program Screen Language
Panel Test/Tune
Cloning
Firmware Version Programming & Version
MIL-STD-810 C/D/E/F (11 cat.)
MIL-STD "Driven-Rain" (Control Head)
IP-54/55 Water & Dust Intrusion (Control Head)
2 Year Warranty

CONVENTIONAL ZONES
512 Channels (CH & GID max. capacity per radio)
128 Zones max. per radio
250 CH max. per CONV. Zone
QT / DQT
Two-Tone Decode (4 sets x 4 pairs each)
Single / Two-Tone Encode (32)
Operator Selectable Tone (40 code pairs)
Dual Priority Scan
Single/Multi-Group/List Scan
Scan Revert Channel Display
Priority Channel Stop Tone
CH Delete/Add
Nuisance Delete
Priority Temporary Delete
Power on Scan
Talk Around
Busy Channel Lockout

INCLUDED ITEMS
DC cable, spare fuse, mounting bracket & hardware,
KMC-35 microphone
English/Spanish Instruction Manual

TRUNKED ZONES
512 GID (CH & GID max. capacity per radio)
128 Zones max. per radio
250 GID max. per Trunked Zone
GID Delete/Add
Full LTR Trunking Features
LTR Talk Around /Scan Revert Group Display
System Scan, Group Scan, Auto Search

FLEETSYNC® (Conv. & Trunked Zones)
FLEETSYNC® or FLEETSYNC® II Compatibility
PTT ID Digital ANI
100 ID List Capacity
Caller ID Display
Caller ID Stack (last 3 calls)
Status Messaging
90 Message List Capacity
10-79 Custom Dispatch Messages
ST 98: Man-Down Emergency (portables)
ST 99: Emergency Status
ST 88: Emergency Mode Off
ST 89: Horn Alert Request (mobiles)
ST 90: Stun radio (No TX)
ST 91: Stun radio (No TX / No RX audio)
ST 92- Turn off Stun
ST 93- ACK stun is ON
ST 94- ACK stun is OFF
ST 80- No Such Status Programmed Response
ST 81-87, 95-97 (Reserved for future use)
Selective Call
Short Text Messages (stored/display)
Long Text Message (requires KDS-100, KCT-40M)
Power On/Off Status Messages
AUX Input/Output Status Messages (3 each)
FleetSync® GPS Ready (NMEA Input)
FleetSync® GPS Data Storage (requires VGS-1)
FleetSync® PC Serial Interfacee (DB-25)

**** TX Power is derated at 490-512MHz**
TK-8180K: 30W: 450-489 MHz; 25W: 490-512 MHz
TK-8180HK: 45W: 450-489 MHz; 40W: 490-512 MHz

Accessories for the TK-7180/8180 Series Radios

Model	Description	List
MOBILE INSTALLATION ACCESSORIES		
KAP-2	Horn Alert/P.A. Relay Option	60.00
KCT-46	Ignition sense cable (plugs directly into mobile chassis ignition sense line)	13.00
KCT-40M	KGP-2A/2B & KDS-100 Radio Interface Cable for TK-7150/8150/7180/8180.	28.00
KCT-36	KCT-34/35/39/40M Extension Cable; 117.6 inches (9.8 ft)	42.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	39.50
KMB-10	Key lock adapter	25.00
	Mobile mounting bracket (same as supplied): see service manaul for part number	
KRK-10	Remote Control Kit for TK-7180/8180 (a remote control cable (23 ft) is included)	100.00
CONTROL STATION INSTALLATION ACCESSORIES		
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	82.00
KMB-24	Control Station Mounting Case for KPS-15 Power Supplies (mobile mounting hardware included) For 180/160-series mobiles.	40.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak) **Compatible with medium & high power compact mobiles only.**	167.00
MICROPHONES AND SPEAKERS		
KES-3	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	42.00
KES-5	External speaker, 40W max input, blk case; 5"x5"x2-9/16" (NOTE: requires and installed KAP-2 PA/HA unit!)	59.00
KMC-35	Standard dynamic mobile microphone (8-pin mod. plug) --- **same as supplied with radio**	50.00
KMC-36	Standard dynamic mobile microphone with DTMF keypad (8-pin mod. plug)	90.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	82.00
FLEETSYNC® MOBILE DATA TERMINAL	***See the KDS-100 price pages for detailed information***	
KDS-100	FleetSync® Data Terminal- Includes mounting bracket, mounting hardware and DC Cable **Note**: KCT-40M Radio Interface cable is required. Use a KCT-36 9.8 ft. for an extension cable	595.00
KPG-71D	Programming Software for KDS-100 Windows® 95/98/Me	99.00
KCT-40M	KGP-2A/2B & KDS-100 Radio Interface Cable	28.00
KCT-36	KCT-34/35/39/40M Extension Cable; 117.6 inches (9.8 ft)	42.00
KAS-2FSD	**FleetDispatchPRO: FleetSync® messaging dispatch software for PC (Windows® 98/Me/NT/2000/XP compatible) Supports the following FleetSync® features: decodes PTT ID, decodes Emergency, encode/decodes Status Messages, encodes Short & Long Text Mesages.** **Note: TK-7180/8180 base mobile connects to PC via standard DB-25 serial cable; not supplied.**	365.00

COMPUTER SYSTEM REQUIREMENTS
- ☐Windows 98/Me/NT/2000/XP OS / Pentium II 450 MHz or better
- ☐10 MB of hard disk drive space / 64MB RAM / CD ROM Drive / Mouse
- ☐Super VGA color monitor or better / 1024 x 768 or higher resolution setting
- ☐1 Serial Port (for mobile serial cable)
- ☐1 Parallel Port (for FleetDispatchPRO hardware key; single PC use only; not LAN compatible)
- ☐Package Contents: CD ROM, Instruction Manual, Hardware Key

MOBILE PC STATION REQUIREMENTS
- ☐FleetSync PC Serial Interface capable (FleetSync enhanced enabled)
- ☐Installed PC Serial Interface Cable (see mobile options/accessories)
- ☐Base Station Desktop Microphone recommended (see mobile options/accessories)

AVL UNITS	**See the AVL price pages for detailed information**	
KGP-2A	GPS Receiver / Modem Unit (includes one dash-mount GPS antenna, mounting bracket, screw set)	525.00
KGP-2B	Base Modem Unit	225.00
	Note: A KGP-2A/2B AVL system requires aftermarket AVL mapping dispatch software -see AVL price pages	
KPG-73D	Programming Software for KGP-2A/2B Windows® 95/98/Me	99.00
KCT-40M	KGP-2A/2B & KDS-100 Radio Interface Cable	28.00
KCT-36	KCT-34/35/39/40M Extension Cable; 117.6 inches (9.8 ft)	42.00

Accessories for the TK-7180/8180 Series Radios

Model	Description	List
OPTION MODULES		
VGS-1	Voice Guide and Storage Unit	72.00
QE-2	G-Star® or MDC1200 ANI Board : PTT ANI & Emergency **Important Factory Install Only – Order L-901 or L-902**	128.00

QE-2 G-Star®/ MDC1200 Digital ANI Boards by Cimarron Technologies

Pre-programmed & installed boards require a completed "QE-2 Information and Order Sheet" (available from Kenwood LMR Order Desk) submitted with order.

Notes:

a. QE-2's are Kenwood installed only; these are not available as "shipped loose" (pre-programmed or not).
b. Allow a min. 1 week delivery ARO for 1- 25 units (allow min. 3 weeks for 25 units and up).
c. QE-2 Programmers are NOT available from Kenwood. Purchase model QPF-2, direct from Cimarrron Technologies Call 800-487-718. www.cimtechcorp.com

Encryption Boards

The radios Encryption/ANI Port (PCB hardwire solder lands) is designed to interface with the typcial aftermarket encryption and ANI boards.
This radio supports the interface required for boards from the following manufacturer(s); contact the manufaturer for product information and Kenwood radio model application notes:

Transcrypt Secure Technologies
3900 NW 12th Street, Suite 200
Lincoln, NE 68521
Phone: 800-228-0226
website: www.transcryptsecure.com

Accessories for the TK-7180/8180 Series Radios

Model	Description	List
SERVICE RELATED ACCESSORIES		
KPG-46	Mobile Programming interface cable (for 8-pin modular mic jack mobiles)	N/A
KPG-89DK	Windows® Programming Software for TK-2180/3180/7180/8180 (98, ME, 2000 & XP compatible)	N/A
	Call Kenwood Parts at 800-367-7514 to order the following:	
E30-3382-05	Clone cable	11.28
J29-0662-03	Mounting bracket for TK-7180/8180--- same as supplied w/ radio (order N99-2039-05 for mounting screw set)	

Installation / Tuning Charges for the TK-7180/8180 Series Radios

Model	Description	List
L-965	Tune TK-7180/8180	37.50
L-962	Install VGS-1 Voice Guide & Storage Unit Note: VGS-1 installation precludes any ANI or encryption board installation	25.00
L-966	Install KAP-2 (Default) HR1/Internal Sp./PA	25.00
L-1010	Install KAP-2 (External Sp.) HR1/External Sp./PA	25.00
L-901	Program and install QE-2 MDC1200 Encoder	75.00
L-902	Program and install QE-2 G-Star® Encoder	75.00
L-968	Assemble TK-7180/8180 with KRK-10 Remote Kit	42.00

Land-Mobile Price List

TK-7180/8180 MPT

VHF / UHF Trunking MPT Mobile Radios

ORDER RADIO & MPT OPTION

Model	*Description*	*List*
L-1012	Install MPT option in 180-Series radio	$16.67
VHF	***Includes: KMC-35 Mic., DC Cable, Mounting bracket***	
TK-7180K	136-174 MHz 30W, 512 CH / 128 Zone CONV-& LTR	$558.00
TK-7180HK	136-174 MHz 50W, 512 CH / 128 Zone CONV-& LTR	$684.00
UHF	***Includes: KMC-35 Mic., DC Cable, Mounting bracket***	
TK-8180K	450-520 MHz 30W, 512 CH / 128 Zone CONV-& LTR	$575.00
TK-8180HK	450-520 MHz 45W**, 512 CH / 128 Zone CONV-& LTR	$700.00
TK-8180K2	400-470 MHz 30W, 512 CH / 128 Zone CONV-& LTR	$575.00
TK-8180HK2	400-470 MHz 45W, 512 CH / 128 Zone CONV-& LTR	$700.00

TK-7180/8180 MPT FEATURES:

GENERAL
- 30** Watt UHF & VHF Models
- 45**/50 Watt UHF & VHF Models
- Remote Control Head Option
- Backlit Dot Matric LCD
- 12 Character Alphanumeric Aliases
- 3-Digit Sub-Display
- Function/Status LCD Icons
- Power On Text Message
- Display Customization
- RSSI Indicator
- Date & 12/24 Hour Time Clock
- Transmit/Busy/Call Alert/Warn LED
- 6 Programmable Function Keys
- Orange Emergency/AUX Key
- 1.5 W Front Panel Speaker
- Voice Inversion Scrambler Built-in
- Enhanced Kenwood Audio
- Encryption Board Control
- Easy Option Port
- VGS-1 Voice Guide/Storage Option
- DTMF Manual Encode (DTMF mic required)
- Embedded Message (64 Character)
- Embedded Message with Password
- Microphone Sensitivity
- Tone Volume
- Min / Max. Speaker Volume
- Timed Power Off
- DB-25 Accessory Connector
- 9 Programmable AUX I/Os
- 2 Programmable AUX Outputs
- Ignition Sense
- KAP-2 Public Address Option
- MIL-Spec Standard Mic
- MIL-Spec 12-Key DTMF Mic Option
- Transceiver Password
- Data Password (Read/Write)
- Windows® Programming & Tuning
- Windows® Firmware Uploading
- Panel Test/Tune
- Transceiver Information
- MIL-STD-810 C/D/E/F (11 cat.)
- MIL-STD "Driven-Rain" (control head)
- IP-54/55 Water & Dust Intrusion (ctrl. head)
- MIL-Spec Noise-Canceling Speaker Mic
- 2 Year Warranty

INCLUDED ITEMS
DC cable, spare fuse, mounting bracket & hardware, KMC-35 microphone

CONVENTIONAL MODE
- 32 Channels
- 12.5/25 kHz CH Spacing (per CH)
- QT/DQT Encode & Decode
- Normal Scan (No Priority)
- Scan Delete/Add
- Companded Audio (per CH)
- Time Out Timer
- Busy Channel Lockout (per CH)

**** TX Power is derated at 490-512MHz**
TK-8180K: 30W: 450-489 MHz; 25W: 490-512 MHz
TK-8180HK: 45W: 450-489 MHz; 40W: 490-512 MHz

TRUNKED MODE
- 8 Network Capacity
- Multi-Site Network Trunking
- Single-Site Trunking
- Network Roaming/Registration
- 12.5/25 kHz Spacing (per network)

Voice Call Types
- Individual Calls
- Group Calls
- Broadcast Calls
- Inter-Fleet Calling
- Inter-Prefix Calling
- PTT Initiates Call
- PSTN & PABX Calls
- Priority Call
- Emergency Call
- Pre-emptive Emergency Call
- Emergency Calling Features
- Emergency Man-Down Option
- Full Off Air Call Setup
- Network Call Queuing
- Call Prioritization
- Own Call Diversion
- Third-Party Diversion
- Include Call ("late entry")
- Don't Disturb
- Queue Incoming Calls
- Special Alert Tones (Individual Calls)

General
- Electronic Serial Number (ESN)
- Power On Statuses
- Manual Conventional Mode
- Auto Mode Change
- 250 Call and Group Address List
- Group Scan
- Home Address, Direct Address
- Companded Audio (PSTN/PABX, Voice)
- Network selector
- CALL Key, CLEAR Key
- Call Timer
- Special Alert Tones (Ind. Call)
- QT/DQT Encode/Decode
- KAP-2 Horn Alert Option

Data Call Types
- Status Message Call SDM-1**
- Short Data Message Call SDM-2**
- Long Data Message Call NPD**

** Status Messages may be sent radio-to-radio; Kenwood does not offer MPT SDM-1, SDM-2 or NPD compatible base applications messaging software.

Accessories for the TK-7180/8180 MPT Radios

Model	*Description*	*List*
MOBILE INSTALLATION ACCESSORIES		
KAP-2	Horn Alert/P.A. Relay Option (HA operates in MPT Trunked Mode only)	60.00
KCT-46	Ignition sense cable (plugs directly into mobile chassis ignition sense line)	13.00
KCT-40M	KGP-2A/2B & KDS-100 Radio Interface Cable for TK-7150/8150/7180/8180.	28.00
KCT-36	KCT-34/35/39/40M Extension Cable; 117.6 inches (9.8 ft)	42.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	39.50
KMB-10	Key lock adapter	25.00
	Mobile mounting bracket (same as supplied): see service manaul for part number	
KRK-10	Remote Control Kit for TK-7180/8180 (a remote control cable (23 ft) is included)	100.00
CONTROL STATION INSTALLATION ACCESSORIES		
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	82.00
KMB-24	Control Station Mounting Case for KPS-15 Power Supplies (mobile mounting hardware included) For 180/160-series mobiles.	40.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak) **Compatible with medium & high power compact mobiles only.**	167.00
MICROPHONES AND SPEAKERS		
KES-3	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	42.00
KES-5	External speaker, 40W max input, blk case; 5"x5"x2-9/16" (NOTE: requires and installed KAP-2 PA/HA unit!)	59.00
KMC-35	Standard dynamic mobile microphone (8-pin mod. plug) --- **same as supplied with radio**	50.00
KMC-36	Standard dynamic mobile microphone with DTMF keypad (8-pin mod. plug)	90.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	82.00

Accessories for the TK-7180/8180 MPT Radios

Model	Description	List
OPTION MODULES		
VGS-1	Voice Guide and Storage Unit	72.00

Encryption Boards

The radios Encryption Port (Easy Option 26-pin plug-in port or paralleled PCB hardwire solder lands) is designed to interface with the typical aftermarket encryption boards (180-Series models with MPT option do not support aftermarket ANI boards). This radio supports the interface required for boards from the following manufacturer(s); contact the manufacturer for the most current product information and Kenwood radio model application notes:

Transcrypt Secure Technologies
3900 NW 12th Street, Suite 200
Lincoln, NE 68521
Phone: 800-228-0226
website: www.transcryptsecure.com

Typical Models (check with vendor for most recent product info)
SC-20-416/430/460-12
KW21-416/430/460

Accessories for the TK-7180/8180 MPT Radios

Model	Description	List
SERVICE RELATED ACCESSORIES		
KPG-46	Mobile Programming interface cable (for 8-pin modular mic jack mobiles)	N/A
KPG-96DK	180-Series MPT Program Software for TK-2180/3180/7180/8180 with MPT Option Installed (Dealer Level License ID included) Windows® 98, ME, 2000 & XP compatible Order Network L-1013 for Network Level License ID & programming privileges	93.33
L-1013	Network Level License ID for KPG-96D 180-Series Programmer	158.33
	Call Kenwood Parts at 800-367-7514 to order the following:	
E30-3382-05	Clone cable	11.28
J29-0662-03	Mounting bracket for TK-7180/8180--- same as supplied w/ radio (order N99-2039-05 for mounting screw set)	

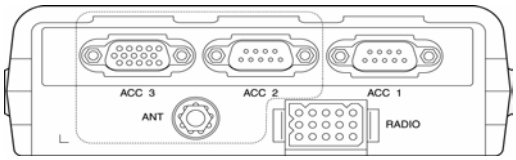
Installation / Tuning Charges for the TK-7180/8180 MPT Radios

Model	Description	List
L-965	Tune TK-7180/8180	37.50
L-962	Install VGS-1 Voice Guide & Storage Unit Note: VGS-1 installation precludes any ANI or encryption board installation	25.00
L-966	Install KAP-2 PA/HA Unit Note: uses dedicated internal plug-in connections; not the Easy Option Port	25.00
L-901	Program and install QE-2 MDC1200 Encoder	75.00
L-902	Program and install QE-2 G-Star® Encoder	75.00
L-968	Assemble TK-7180/8180 with KRK-10 Remote Kit	42.00
L-1012	Install MPT option in 180-Series radio	$16.67
L-1013	Network Level License ID for KPG-96D 180-Series Programmer	158.33
L-1014	Retrofit Install of MPT option in 180-Seires radio For previously purchased 180-Series radios. Order L-1014 through LMR order desk/rep. Ship radios to attn: Kenwood LMR Tuning, Long Beach for installation. Include Kenwood order number for L-1014 provided by order desk & copy of company P.O. or P.O. number. NOTE: Only certain Serial Number Lots produced in late 2004 and later can be retrofitted - see 180-Series MPT Introduction Sales Bulletin for details	$85.00

Land-Mobile Price List

KGP-2A / 2B

GPS Automatic Vehicle Location Units



Important! Please read prior to selling a KGP-2A/2B AVL system and ordering product:

1. **KGP-2A/2B Compatible AVL Mapping Software is Required**- A KGP-2A/2B AVL system requires a AVL mapping software specifically engineered for KGP-2B serial protocol compatibility. This software is available from Manning NavComp (see Manning RasTrac information).
2. **Read the ordering instructions** in the following base station and fleet mobiles sections for possible additional options and hardware requirements.
3. **Check the "ACCESSORY COMPATIBILITY" chart** that follows for accessory limitations when using KGP-2A/2B units.

KGP-2A/2B FEATURES:

KGP-2A/2B FEATURES

· Compatible Radios: 60G/62/63G/80/150/180/160-Series mobiles
· KGP-2A/2B air protocol is backward compatible with KGP-1A/1B
· Programmable Auto-reporting or polled updates
· 256 Mobile IDs x 256 Groups
· Mil-Spec 810C, D & E Dust, Vibration and Shock
· Over-the-air programming- Data Rate 1200 or 2400 baud (except intial programming; see KPG-73D)
· Windows® 95, 98 & Me Programming Software (KPG-73D)
· Sixteen Multi-purpose Programmable I/O's [External Connectors; [DB-9 (ACC2); DB-15(ACC-3)]
  - *Each I/O programmable for either an analog "input" or output" (dispatch-AVL mapping software must support)*
  - *Inputs for external sensors, switches, contacts, etc.*
  - *Outputs for external relays, controls, etc.(mapping software must support)*
· LED Status Indicators
  - *DC Source- indicates receiving power from the mobile*
  - *Data- indicates KGP-unit is sending /receiving data*
  - *GPS- indicates receiving a GPS signal (KGP-2A)*
· Flashrom Firmware / Compact Size

Accessories for KGP-2A/2B

ACCESSORY COMPATIBILITY

	KCT-18	KCT-19	KAP-1	KCT-29	KCT-40	KCT-31	KCT-34	KCT-35	KCT-36	KDS-100	KGP-2A/2B
KCT-18		X	X (a)	X (b)	X	X (b)	X (b)	X (b)	:	X (b)	X (b)
KCT-19	X		X (a)	:		X (c)	:	:	:	:	:
KAP-1	X (a)	X (a)		:	:	X (d)	:	:	:	:	:
KCT-29	X (b)	:	:			X (c)	:	:	:	:	:
KCT-40	X								X	X	X
KCT-31	X (b)	X (c)	X (c)	X (c)			:	:	:	:	:
KCT-34	X (b)	:	:	:		:		:	X	X	X
KCT-35	X (b)	:	:	:		:	:		X	X	X
KCT-36					X		X	X		X	X
KDS-100	X (b)	:	:	:	X	:	X	X	X		:
KGP-2A/2B	X (b)	:	:	:	X	:	X	X	X	:	

Chart Key
X = compatible
X ( )= compatible, but additional options/modification may be required; some modifications are "Dealer-installed only; refer to Kenwood application notes" (no Kenwood install labor code available).
Blank= Not compatible
Gray= Non-applicable
Remarks
(a) The KAP-1 PA/HA relay board requires a KCT-19 to route the PA & HA outputs external of the mobile.
(b) Installing the option in the left-hand column will require the KCT-18 to be routed under the DC cable grommet, stripped /tinned and soldered directly to the ignition sense input inside the mobile Dealer-installed only; refer to Kenwood application notes.
(c) [80-Series mobile only] This install must share the SB+ and GND connections. The KCT-31 connects to the 80-Series COM1 port only. Dealer-installed only; refer to Kenwood application notes.
(d) [80-Series mobile only] This install must share the SB+ and GND connections. Dealer-installed only; refer to Kenwood application notes.The KAP-1 requires a KCT-19.

FOR 80-SERIES MOBILES

Model	*Description*	*List*

FOR EACH BASE STATION ORDER:

1. KGP-2B Modem Unit - one KGP-Protocol base/control station modem unit required per AVL system
2. KCT-34 interface cable & L-929 install code - connects the KGP-2B to the base/control station mobile
3. Computer Serial Cable Required (not supplied)- The KGP-2B-to-PC COM port connection for AVL data is made via a dealer-supplied computer serial communication port cable. The serial cable should be a D-Sub 9-Pin Female (KGP-2B; ACC1 end) and the appropriate D-Sub 9-Pin or 25-Pin on the PC serial COM port end. Serial cables are wired "Null Modem" with pins 2-to-3 and 3-to-2 configured end connectors.

FOR EACH FLEET MOBILE ORDER:

1. KGP-2A GPS Receiver-Modem Unit - the KGP-Protocol fleet mobile unit
2. KCT-34 interface cable & L-929 - connects the KGP-2A to the fleet 80-Series mobile
3. Note: KCT-19 & KCT-34 cables cannot be installed simultaneously- Therefore using a KCT-34 excludes plug-in of a KCT-19 for KES-5 external speaker (use KES-3), Horn Alert output, Data modem I/O's, footswitch input and headsets.

KGP-2B	Base Modem Unit	$225.00
	1. One KCT-34 is required for each fleet and base mobile radio 2. L-929 - Install KCT-34 to 80-Series Mobile for KGP-2A/2B interface 3. The KCT-34 is 12 inches in length; use a KCT-36 (9.8 ft) extension if required	
KGP-2A	GPS Receiver / Modem Unit (includes one dash-mount GPS antenna)	$525.00
	1. One KCT-34 is required for each fleet and base mobile radio 2. L-929 - Install KCT-34 to 80-Series Mobile for KGP-2A/2B interface 3. The KCT-34 is 12 inches in length; use a KCT-36 (9.8 ft.) extension if required	
INSTALLATION RELATED ACCESSORIES		
KCT-34	KGP-2A/2B & KDS-100 Radio Interface Cable for 80-Series Mobiles	21.00
KCT-36	KCT-34/35/39/40M Extension Cable; 117.6 inches (9.8 ft)	42.00
INSTALLATION/TUNING CHARGES		
L-929	Install KCT-34 to 80-Series mobile for KGP-2A/2B (order KPG-34 separately)	21.00
SERVICE RELATED ACCESSORIES		
KPG-73D	Programming Software for KGP-2A/2B ;Windows® 95, 98 & Me compatible	N/A

FOR 60G/62G/63G-SERIES MOBILES

Model	*Description*	*List*

FOR EACH BASE STATION ORDER:

1. KGP-2B Modem Unit - one KGP-Protocol base/control station modem unit required per AVL system
2. KCT-35 cable & L-930 - connects the KGP-2B to the 60G-Series base/control station mobile
3. Computer Serial Cable Required (not supplied)- The KGP-2B-to-PC COM Port connection for AVL data is made via a dealer-supplied computer serial communication port cable. The serial cable should be a D-Sub 9-Pin Female (KGP-2B; ACC1 end) and the appropriate D-Sub 9-Pin or 25-Pin on the PC serial COM Port end. Serial cables are wired "Null Modem" with pins 2-to-3 and 3-to-2 configured end connectors.

FOR EACH FLEET MOBILE ORDER:

1. KGP-2A GPS Receiver-Modem Unit - the KGP-Protocol fleet mobile unit
2. KCT-35 cable & L-930 - connects the KGP-2A to the fleet 60G-Series mobile
3. The KCT-19 & KCT-35 cannot be installed simultaneously- Therefore using a KCT-35 excludes plug-in of a KCT-19 for KES-5 external speaker (use KES-3), Horn Alert output, Data modem I/O's, footswitch input and headsets.

KGP-2B	Base Modem Unit	$225.00
	1. One KCT-35 is required for each fleet and base mobile radio 2. L-930 - Install KCT-35 to 60G/62G/63G-Series Mobile for KGP-2A/2B interface 3. The KCT-35 is 12 inches in length; use a KCT-36 (9.8 ft.) extension if required	
KGP-2A	GPS Receiver / Modem Unit (includes one dash-mount GPS antenna)	525.00
	1. One KCT-35 is required for each fleet and base mobile radio 2. L-930 - Install KCT-35 to 60G/62G/63G-Series Mobile for KGP-2A/2B interface 3. The KCT-35 is 12 inches in length; use a KCT-36 (9.8 ft.) extension if required	
INSTALLATION RELATED ACCESSORIES		
KCT-35	KGP-2A/2B & KDS-100 Radio Interface Cable for 60G/62G/63G-Series Mobiles	21.00
KCT-36	KCT-34/35/39/40M Extension Cable; 117.6 inches (9.8 ft)	42.00
INSTALLATION/TUNING CHARGES		
L-930	Install KCT-35 to 60G-Series mobile for KGP-2A/2B (order KPG-35 separately)	21.00
SERVICE RELATED ACCESSORIES		
KPG-73D	Programming Software for KGP-2A/2B ;Windows® 95, 98 & Me compatible	99.00

FOR TK-7180/8180/7150/8150 MOBILES

Model	*Description*	*List*

FOR EACH BASE STATION ORDER:

1. KGP-2B Modem Unit - one KGP-Protocol base/control station modem unit required per AVL system
2. KCT-40M cable- connects the KGP-2B to the base180/150-Series mobile
3. Computer Serial Cable Required (not supplied)- The KGP-2B-to-PC COM Port connection for AVL data is made via a dealer-supplied computer serial communication port cable. The serial cable should be a D-Sub 9-Pin Female (KGP-2B; ACC1 end) and the appropriate D-Sub 9-Pin or 25-Pin on the PC serial COM Port end. Serial cables are wired "Null Modem" with pins 2-to-3 and 3-to-2 configured end connectors.

FOR EACH FLEET MOBILE ORDER:

1. KGP-2A GPS Receiver-Modem Unit - the KGP-Protocol fleet mobile unit
2. KCT-40M cable- connects the KGP-2A to the fleet180/150-Series mobile

KGP-2B	Base Modem Unit	225.00
	1. One KCT-40M is required for each fleet and base mobile radio 2. The KCT- 40M is 12 inches in length; use a KCT-36 (9.8 ft.) extension if required	
KGP-2A	GPS Receiver / Modem Unit (includes one dash-mount GPS antenna)	$525.00
	1. One KCT-40M is required for each fleet and base mobile radio 2. The KCT-40M is 12 inches in length; use a KCT-36 (9.8 ft.) extension if required	
INSTALLATION RELATED ACCESSORIES		
KCT-40M	KGP-2A/2B & KDS-100 Radio Interface Cable for 180/150-Series Mobiles	28.00
KCT-36	KCT-34/35/39/40M Extension Cable; 117.6 inches (9.8 ft)	42.00
SERVICE RELATED ACCESSORIES		
KPG-73D	Programming Software for KGP-2A/2B ;Windows® 95, 98 & Me compatible	99.00

FOR 160-SERIES MOBILES

Model	*Description*	*List*

FOR EACH BASE STATION ORDER:

1. KGP-2B Modem Unit - one KGP-Protocol base/control station modem unit required per AVL system
2. KCT-39 cable & L-xxx - connects the KGP-2B to the 160-Series base/control station mobile
3. Computer Serial Cable Required (not supplied)- The KGP-2B-to-PC COM Port connection for AVL data is made via a dealer-supplied computer serial communication port cable. The serial cable should be a D-Sub 9-Pin Female (KGP-2B; ACC1 end) and the appropriate D-Sub 9-Pin or 25-Pin on the PC serial COM Port end. Serial cables are wired "Null Modem" with pins 2-to-3 and 3-to-2 configured end connectors.

FOR EACH FLEET MOBILE ORDER:

1. KGP-2A GPS Receiver-Modem Unit - the KGP-Protocol fleet mobile unit
2. KCT-39 cable - connects the KGP-2A to the fleet 160-Series mobile
3. The KCT-19 & KCT-39 cannot be installed simultaneously- Therefore using a KCT39 excludes plug-in of a KCT-19 for KES-5 external speaker (use KES-3), Horn Alert output, Data modem I/O's, footswitch input and headsets.

KGP-2B	Base Modem Unit	$225.00
	1. One KCT-39 is required for each fleet and base mobile radio 2. The KCT-39 is 12 inches in length; use a KCT-36 (9.8 ft.) extension if required	
KGP-2A	GPS Receiver / Modem Unit (includes one dash-mount GPS antenna)	$525.00
	1. One KCT-39 is required for each fleet and base mobile radio 2. The KCT-39 is 12 inches in length; use a KCT-36 (9.8 ft.) extension if required	

INSTALLATION RELATED ACCESSORIES

KCT-39	KGP-2A/2B & KDS-100 Radio Interface Cable for 160-Series Mobiles	21.00
KCT-36	KCT-34/35/39/40M Extension Cable; 117.6 inches (9.8 ft)	42.00

SERVICE RELATED ACCESSORIES

KPG-73D	Programming Software for KGP-2A/2B ;Windows® 95, 98 & Me compatible	99.00

RASTRAC® MX Mobile Asset Management Software
Available from Manning NavComp

The KGP-2A/2B GPS AVL systems require a mapping software package “specifically engineered” for KGP-protocol compatibility. Manning NavComp’s RASTRAC® software provides AVL mapping/fleet management. To purchase, or for more information contact:

Manning NavComp, Inc.
4205 Park Dr.
Lago Vista, Texas 78645
Ph.: 512-267-7800, Fax: 512-267-9200
E-mail: sales@navcomp.com
Web: http://www.navcomp.com

KENWOOD

Jun-05

Last Revised: 06/01/05

Land-Mobile Price List

KDS-100

FleetSync® Data Terminal
For 180/160/150/60G/62G/63G & 80-series mobiles

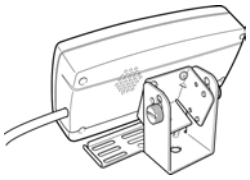
Model	*Description*	*List*
KDS-100	FleetSync® Data Terminal- Includes mounting bracket, mounting hardware and DC Cable Note: The KDS-100 pigtail cable (1.83 ft) combined with the KDS-100 mobile interface cables KCT-34/35/39/40M (1 ft.) and use a KCT-36 (9.8 ft.) for an extension.	595.00

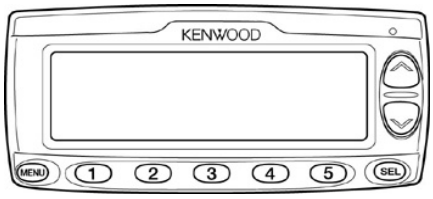
Important! Please read prior to selling a KDS-100 system and ordering product:

1. **KDS-100 Compatible Dispatch Software May Be Required**- The KDS-100 used a fleet unit will decode Status Messages and Selective Calls sent other FleetSync®-capable portables or mobiles, from a KDS-100 with a FleetSync® capable mobile (PC mode) or a KDS-100 with a non-FleetSync® capable mobile (air mode). However, Short and Long T Messaging requires a base station FleetSync® capable mobile PC Serial Interfaced with computer running a FleetSync® compatible dispatch software capable of creating and sending Short/Long Text Messages. This software is available from vendors such as:

IDA Corporation, Fargo ND: KenCall Dispatch software
Kenwood Communications Corporation: Fleet Dispatch Pro software

2. **Check the "ACCESSORY COMPATIBILITY" chart** that follows for accessory limitations when using KDS-100 units. **The KDS-100 cannot be used simultaneously with a Kenwood KGP-2A/2B AVL unit.**





KDS-100 FEATURES:

KDS-100 FEATURES

Increases FleetSync® Message Viewing: 40 Character x 6 line Dot Matix LCD
- View 5 line Message List x 23 Char. @ line (vs. 1 line Message x 16 Char. scrolling)
- View Short Text Messages (48 Char.) at once (vs. 48 Char. scrolling)
- View Long Text Message (1024 Char.) at once (vs. not available)

Increases FleetSync® ID Capacity: 511 IDs (vs. 100 IDs)
- Base stations can handle larger size fleets

Increases Status Message List Capacity: 89 Messages (vs. 50 Msgs.)
- More dispatcher-to-fleet type messages for different job tasks
- More fleet-to-dispatcher type messages for responses/statuses

Increased Status Message Stack Memory: 367 Messages (vs. 9 Msg.s)
Increased Short Text Message Stack Memory: 367 Messages (vs. 4 Msg.s)
Litium Cell Memory Backup Battery (vs. radio-only volatile message memory)
Large Backlit LCD & Function Keys
Simple Installation
Windows® Compatible Programming Software
Programming Password Protection
Built-in FleetSync® DSP Modem
Real-Time Clock/Message Time Stamping
10 Status Message 'Hot Keys'
Message Sorting & Deletion Screens
Message Temporary Recycle Bin
New Message Tone and LED Alerts
Buzzer Volume Level
Flashrom Firmeware Memory
MIL-STD 810C/D/E Dust, Vibration, Shock

Accessories for KDS-100

Model	*Description*	*List*
KDS-100	FleetSync® Data Terminal- Includes mounting bracket, mounting hardware and DC Cable	595.00
KCT-34	KDS-100 Interface Cable for 80-Series Mobiles (TK-780/880/980/981) - Only 1.0 ft.; order a KCT-36 for a 9.8 ft. extension - L-932 - Install KCT-34 to 80-Series Mobile for KDS-100 - Same cable for KGP-2A/2B interface; the KDS-100 and KGP-2A/2B cannot be installed at the same time.	21.00
L-929	Install KCT-34 to 80-Series Mobiles for KDS-100	21.00
KCT-35	KDS-100 Interface Cable for 60G/62G/63G-Series Mobiles (For TK-760G/860G/762G/862G/863G) - Only 1.0 ft.; order a KCT-36 for a 9.8 ft. extension - L-932 - Install KCT-35 to 60G/62G/63G-Series Mobile for KDS-100 - Same cable for KGP-2A/2B interface; the KDS-100 and KGP-2A/2B cannot be installed at the same time.	21.00
L-930	Install KCT-35 to 60G/62G/63G Series Mobiles for KDS-100	21.00
KCT-40M	KDS-100 Radio Interface Cable for TK-7150/8150/7180/8180 Mobiles ☐ Only 1.0 ft.; order a KCT-36 for a 9.8 ft. extension - Same cable for KGP-2A/2B interface; the KDS-100 and KGP-2A/2B cannot be installed at the same time.	28.00
KCT-39	KDS-100 Interface Cable for 160-Series Mobiles - Only 1.0 ft.; order a KCT-36 for a 9.8 ft. extension - Same cable for KGP-2A/2B interface; the KDS-100 and KGP-2A/2B cannot be installed at the same time.	21.00
KCT-36	KCT-34/35/39/40M Extension Cable; 117.6 inches (9.8 ft)	42.00
KAS-2SFD	FleetDispatchPRO: FleetSync® messaging dispatch software for PC (Windows® 98/Me/NT/2000/XP compatible) Supports the following FleetSync® features: decodes PTT ID, decodes Emergency, encode/decodes Status Messages, encodes Short & Long Text Mesages.	365.00

COMPUTER SYSTEM REQUIREMENTS
- ☐Windows 98/Me/NT/2000/XP OS / Pentium II 450 MHz or better
- ☐10 MB of hard disk drive space / 64MB RAM / CD ROM Drive / Mouse
- ☐Super VGA color monitor or better / 1024 x 768 or higher resolution setting
- ☐1 Serial Port (for mobile serial cable)
- ☐1 Parallel Port (for FleetDispatchPRO hardware key; single PC use only; not LAN compatible)
- ☐Package Contents: CD ROM, Instruction Manual, Hardware Key

MOBILE PC STATION REQUIREMENTS
- ☐FleetSync PC Serial Interface capable (FleetSync enhanced enabled)
- ☐Installed PC Serial Interface Cable (see mobile options/accessories)
- ☐Base Station Desktop Microphone recommended (see mobile options/accessories)

SERVICE RELATED ACCESSORIES

KPG-71DK	Windows® (95/98/ME) P.C. Programming Software for KDS-100	99.00
KPG-46	Programming interface cable	N/C

Accessories for KDS-100

ACCESSORY COMPATIBILITY FOR 60G/62G/63G/80/50-SERIES MOBILES

	KCT-18	KCT-19	KAP-1	KCT-29	KCT-40	KCT-31	KCT-34	KCT-35	KCT-36	KDS-100	KGP-2A/2B
KCT-18		X	X (a)	X (b)	X	X (b)	X (b)	X (b)	:	X (b)	X (b)
KCT-19	X		X (a)	:		X (c)	:	:	:	:	:
KAP-1	X (a)	X (a)		:	:	X (d)	:	:	:	:	:
KCT-29	X (b)	:	:			X (c)	:	:	:	:	:
KCT-40	X								X	X	X
KCT-31	X (b)	X (c)	X (c)	X (c)			:	:	:	:	:
KCT-34	X (b)	:	:	:		:		:	X	X	X
KCT-35	X (b)	:	:	:		:	:		X	X	X
KCT-36					X		X	X		X	X
KDS-100	X (b)	:	:	:	X	:	X	X	X		:
KGP-2A/2B	X (b)	:	:	:	X	:	X	X	X	:	

Chart Key

X = compatible

X ( )= compatible, but additional options/modification may be required; some modifications are "Dealer-installed only; refer to Kenwood application notes" (no Kenwood install labor code available).

Blank= Not compatible

Gray= Non-applicable

Remarks

(a) The KAP-1 PA/HA relay board requires a KCT-19 to route the PA & HA outputs external of the mobile.

(b) Installing the option in the left-hand column will require the KCT-18 to be routed under the DC cable grommet, stripped /tinned and soldered directly to the ignition sense input inside the mobile Dealer-installed only; refer to Kenwood application notes.

(c) [80-Series mobile only] This install must share the SB+ and GND connections. The KCT-31 connects to the 80-Series COM1 port only. Dealer-installed only; refer to Kenwood application notes.

(d) [80-Series mobile only] This install must share the SB+ and GND connections. Dealer-installed only; refer to Kenwood application notes.The KAP-1 requires a KCT-19.

KENWOOD

Jun-05
Last Revised: 06/01/05

Land-Mobile Price List

TK-690/790/890

Public Safety / Service Mobile Radios

Model	*Description*	*List*
TK-690HBK	29.7-37.0 MHz, 110W, 160 Channels (R.F. DECK ONLY)	$1,020.00
TK-690HBK2	35.0-43.0 MHz, 110W, 160 Channels (R.F. DECK ONLY)	1,020.00
TK-690HBK3	40.0-50.0 MHz, 110W, 160 Channels (R.F. DECK ONLY)	1,020.00
Multi-Mode Versions		
TK-790BK	148-174 MHz, 45W, 160 Channels (R.F. DECK ONLY)	730.00
TK-790BK2	136-156 MHz, 45W, 160 Channels (R.F. DECK ONLY)	730.00
TK-790HBK*	148-174 MHz, 110W, 160 Channels (R.F. DECK ONLY)	1,180.00
TK-790K*	148-174 MHz, Basic Front("BMD"), 45W, 160 Channels	1,013.00
TK-890BK*	450-490 MHz, 40W, 160 Channels (R.F. DECK ONLY)	780.00
TK-890BK2	480-512 MHz, 40W, 160 Channels (R.F. DECK ONLY)	780.00
TK-890BK3	403-430 MHz, 40W, 160 Channels (R.F. DECK ONLY)	780.00
TK-890HBK*	450-480 MHz, 100/75W, 160 Channels (R.F. DECK ONLY)	1,230.00
TK-890K	450-490 MHz, Basic Front ("BMD"), 40W, 160 Channels	1,063.00

* Most popular radios

90-SERIES MOBILE FEATURES:

General Features:
- 160 Channels
- 12.5 / 25 kHz Channel Spacing (per channel)
- Dual Priority Scan
- Flash ROM Memory
- MIL-STD 810C, D & E
- MIIL-Spec "Driven Rain" Control Head

Multiple Configurations:
- Dash Mount
- Single Head Remote
- Dual Head Remote
- Dual Band Remote
- Dual Head & Dual Band Remote

Basic Control Head (KCH-10)
- 7 Programmable Keys
- 8 Alphanumeric LCD

Full Featured Control Head (KCH-11)
- 13 Programmable Keys
- 14 Alphanumeric Dot Matrix LCD

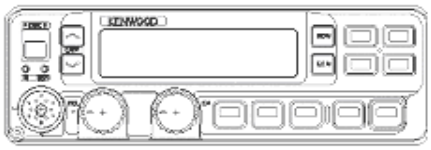
Programmable Key Functions
- Emergency
- Channel Recall
- Direct Channel Select
- Home Channel Toggle
- LCD Dimmer
- Mobile Relay Repeat
- Intercom
- Operator Selectable Tone
- FleetSync PTT ID*
- Emergency Mode*
- Continuous Call Alert**
- Call Alert & Transpond**
- Power On Text**
- Two Tone Decode A-B, B-C & C-B**
- External Speaker status backup**
- Horn Alert status backup**
- Timed Power Off – Ignition Sense On**

Universal Accessory Connector
- Mobile Data Terminals
- Mobile Computers
- GPS AVL
- Repeater Port
- Remote Control Port
- 7 Programmable Input Ports
- 6 Programmable Output Ports

* Feature available with Version 2.0 radio production; serial S/N 209xxxxx or later

** Feature available with Version 2.0 radio production; serial S/N 303xxxxx or later

Basic Control Head (KCH-10)



Full Featured Control Head (KCH-11)

Accessory Configuration Sets

Single Band

(see pages 6 - 8 for more information)

Model	*Description*	*List*
9BHD1	KCH-10, KCT-23M2, KMB-9, KMC-27	$311.00
9BHDH1	KCH-10(x2), KRK-6DH, KCT-22M2(x2), KCT-23M4, KMB-9, KMC-27(x2)	956.00
9BHSH1	KCH-10, KRK-5, KCT-22M2, KCT-23M4, KMB-9, KMC-27	537.00
9BMD1	KCH-10, KCT-23M, KMB-5, KMC-27	283.00
9BMDH1	KCH-10(x2), KRK-6DH, KCT-22M2(x2), KCT-23M3, KMB-5, KMC-27(x2)	925.00
9BMSH1	KCH-10, KRK-5, KCT-22M2, KCT-23M3, KMB-5, KMC-27	506.00
	Note: All KCH-10 / Basic Control Head configurations are shipped with the control heads 4W internal speaker enabled. Order L-891 to enable the 13W external speaker output for KES-5 speaker use. This will disconnect the control heads internal 4W speaker !	
9FHD1	KCH-11, KCT-23M2, KMB-9, KMC-27, KES-5	450.00
9FHDH1	KCH-11(x2), KRK-6DH, KCT-22M2(x2), KCT-23M4, KMB-9, KMC-27(x2), KES-5(x2)	1,234.00
9FHSH1	KCH-11, KRK-5, KCT-22M2, KCT-23M4, KMB-9, KMC-27, KES-5	676.00
9FMD1	KCH-11, KCT-23M, KMB-5, KMC-27, KES-5	422.00
9FMDH1	KCH-11(x2), KRK-6DH, KCT-22M2(x2), KCT-23M3, KMB-5, KMC-27(x2), KES-5(x2)	1,203.00
9FMSH1	KCH-11, KRK-5, KCT-22M2, KCT-23M3, KMB-5, KMC-27, KES-5	645.00

Dual Band

(see page 9 for more information)

Model	*Description*	*List*
9BHHDB	KCH-10, KRK-7DB, KMC-27, KCT-22M2, KCT-23M4(x2), KMB-9(x2)	725.00
9BHMDB	KCH-10, KRK-7DB, KMC-27, KCT-22M2, KCT-23M3, KCT-23M4, KMB-5, KMB-9	694.00
9BMMDB	KCH-10, KRK-7DB, KMC-27, KCT-22M2, KCT-23M3(x2), KMB-5(x2)	663.00
	Note: All KCH-10 / Basic Control Head configurations are shipped with the control heads 4W internal speaker enabled. Order L-891 to enable the 13W external speaker output for KES-5 speaker use. This will disconnect the control heads internal 4W speaker !	
9FHHDB	KCH-11 KRK-7DB, KMC-27, KES-5, KCT-22M2, KCT-23M4(x2), KMB-9(x2)	864.00
9FHMDB	KCH-11 KRK-7DB, KMC-27, KES-5, KCT-22M2, KCT-23M3, KCT-23M4, KMB-5, KMB-9	833.00
9FMMDB	KCH-11 KRK-7DB, KMC-27, KES-5, KCT-22M2, KCT-23M3(x2), KMB-5(x2)	802.00

Dual Band Dual Head

(see page 10 for more information)

Model	*Description*	*List*
9BBHH	KCH-10(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M4(x2), KMB-9(x2)	1,064.00
9BBHM	KCH-10(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3, KCT-23M4, KMB-5, KMB-9	1,033.00
9BBMM	KCH-10(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3(x2), KMB-5(x2)	1,002.00
	Note: All KCH-10 / Basic Control Head configurations are shipped with the control heads 4W internal speaker enabled. Order L-891 to enable the 13W external speaker output for KES-5 speaker use. This will disconnect the control heads internal 4W speaker !	
9FFHH	KCH-11(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M4(x2), KMB-9(x2), KES-5(x2)	1,342.00
9FFHM	KCH-11(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3, KCT-23M4, KMB-5, KMB-9, KES-5(x2)	1,311.00
9FFMM	KCH-11(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3(x2), KMB-5(x2), KES-5(x2)	1,280.00

Definition of Configurations

9 = 90-series mobiles	DB = Dual Band Remote Mount
B = Basic Front Panel	DH = Dual Head Remote Mount
F = Full Featured Front Panel	SH = Single Head Remote Mount
H = High Powered	D = Dash Mount
M = Medium Powered	1 = Single Band

Example 1: 9BMDH1 = 90-series, Basic Front, Medium Powered, Dual Head Remote Mount, Single Band Radio
Example 2: 9FHHDB = 90-series, Full Featured Front, High Powered, High Powered, Dual Band
Example 3: 9BBHM = 90-series, Basic Front, Basic Front, High Powered, Medium Powered, Dual Band

Accessories for 90-Series Mobile Radios

Model	Description	List
CABLES		
KCT-18	Ignition sense cable	$13.00
KCT-22M	Control cable - 8 Feet	70.00
KCT-22M2	Control cable - 17 Feet (Standard accessory config. set cable)	80.00
KCT-22M3	Control cable (25 Feet)	90.00
KCT-23M	DC Cable (35/45W Dash mount)	30.00
KCT-23M2	DC Cable (75/110W Dash mount)	37.00
KCT-23M3	DC Cable (35/45W Remote mount)	33.00
KCT-23M4	DC Cable (75/110W Remote mount)	43.00
INSTALLATION ACCESSORIES		
KCK-6[1]	Auxiliary Adapter for 90-Series Mobiles (For AUX A, B, & C)	115.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max)	39.50
KMB-10	Key Lock Adapter for use with KMB-5	25.00
KMB-5	Medium Power Mounting Bracket (35W/45W models)	14.00
KMB-9	High Power Mounting Bracket with built-in key lock (75W/110W models)	35.00
MICROPHONES AND SPEAKERS		
KES-5	External Speaker (40W max input)	59.00
	Note: All KCH-10 / Basic Control Head configurations are shipped with the control heads 4W internal speaker enabled. Order L-891 to enable the 13W external speaker output for KES-5 speaker use. This will disconnect the control heads internal 4W speaker !	
KMC-27	Rugged standard microphone with noise canceling, MIL-STD and driven rain features	99.00
KMC-28	DTMF microphone (MIL-SPEC, Noise canceling)	155.00
KMC-9B	Desk top microphone	92.00
MISCELLANEOUS ITEMS		
KCH-10	Basic Control Panel	140.00
	Note: All KCH-10 / Basic Control Head configurations are shipped with the control heads 4W internal speaker enabled. Order L-891 to enable the 13W external speaker output for KES-5 speaker use. This will disconnect the control heads internal 4W speaker !	
KCH-11	Full Featured Control Panel	220.00
KRK-5	Single Control Head Remote Mount Kit	140.00
KRK-6DH	Dual Control Head Remote Mount Kit	240.00
KRK-7DB	Dual Band Control Head Remote Mount Kit	250.00
KRK-8DBH	Dual Band Dual Head Remote Mount Kit	270.00
SERVICE RELATED ACCESSORIES		
KPG-43	Programming Interface Cable for TK-690/790/890 (requires KPG-44D)	N/A
KPG-44D	90-Series Mobile Programming Software; Windows® 98/2000/Me/XP compatible	65.00
**********	**Call Kenwood Parts at 800-367-7514 to order the following:**	
K29-5276-03	Key Inserts for 90-series mobile (AN, D/A, DIM, HA, HC, IC, MON, OPT, OST, PA)	14.00
K29-5277-03	Key Inserts for 90-series mobile (RCL, RPT, SCN, SP, SPM, SQ, TA, <up arrow>, <down arrow>)	14.00
K29-5305-03	Key Inserts for 90-series mobile (CH1, CH2, CH3, CH4, CH5, AUXA, AUXB, AUXC, EMG, ORG)	14.00
S76-0434-05	1 Amp Relay for 90-series mobile	11.22

Accessories for 90-Series Mobile Radios

Model	Description	List
QE-2 G-Star®/ MDC1200 DIGITAL ANI MODULES by Cimarron Technologies		

How to Order: Please see QE-2 Information and Order Sheet available from LMR Order Desk

1. Select the proper model/ quantity of radios, desired MDC-1200 (L-901) or G-Star (L-902) ANI format labor code.
2. Refer to the "QE-2 MDC-1200 Information/Order Sheet" available from the LMR Order Desk; select the ID format, ID codes and other feature options
3. Fax the Order Sheet with your radio order to your authorized Kenwood Rep or LMR Order Desk

All order sheet items must be filled out even if the feature option is "disabled" (incomplete Order Sheets will not be processed).

a. QE-2's are Kenwood installed only; these are not available as "shipped loose" (pre-programmed or not).

b. Allow a min. 1 week delivery ARO for 1- 25 units (allow min. 3 weeks for 25 units and up).

Notes:

Emergency "Man-down" features require an installed CAE-3 internal man-down tilt switch option (portables only).

Dealers can purchase a QE-2 programmer , Model QPF-2, direct from Cimarrron Technologies Call 800-487-7184, website: www.cimtechcorp.com.

QE-2	G-Star® or MDC1200 ANI Board : PTT ANI, emergency & man-down **Important Factory Install Only –Order L-901 or L-902**	128.00

Installation / Tuning Charges for 90-Series Mobile Radios

Model	*Description*	*List*
L-846	Package Dash/Single Head Remote for 90-series mobiles	17.00
L-847	Package Dual Head Remote for 90-series mobiles	34.00
L-848	Package Dual Band Remote for 90-series mobiles	34.00
L-849	Package Dual Band Dual Head Remote for 90-series mobiles	50.00
L-850	Tune TK-890 receiver channel spread (20 MHz max.); specify receive spread (See Pg. 37)	N/C
L-854	Tune 90-series mobile	30.00
L-858	Modify 90-series mobile Single Band (Single Head) Mobile for Pyramid Vehicular Repeater	75.00
L-859	Modify 90-series mobile Single Band (Dual Head) Mobile for Pyramid Vehicular Repeater Note: L-859 labor code was originally for Dual Head (Single Head) and has been changed to Dual Head (Single Band). For more info. pls. see "Pyramid Instruction Guide r	75.00
L-861	Install Horn Alert output relay for 90-series mobiles (1 amp max.) --- Part #S76-0407-05 Relay incl.	70.00
L-862[2]	Install Key Inserts for 90-series mobiles	15.00
L864[3, 4]	KCT-22A Extended Control Head Cable (up to 50 ft. max.)[4]	190.00
L865[3, 4]	KCT-22A Extended Control Head Cable (up to 100 ft. max.)[4]	245.00
L866[5]	KCT-23A-K2 Two Conductor 75/110W High Power DC Cable (2 Conductor: 1x23 ft. positive, 1x23 ft. negative; AWG #10)	75.00
L-867	Jumper foil for SB to pin 14 of accessory connector for 90-series mobile (Ref. 90-Series Mobile Service Manual, page 17/18)	25.00
L-870	Simultaneous transpond and alert feature up-grade for 90-series mobiles & portables	50.00
L-883	Modify 90-series mobile for KCT-18	25.00
L-891	External speaker modification for 90-series mobile Control Head (13W) Note: All KCH-10 / Basic Control Head configurations are shipped with the control heads 4W internal speaker enab	10.00
L-901	Program and install QE-2 MDC1200 Encoder	75.00
L-902	Program and install QE-2 G-Star® Encoder	75.00
L-903	R640 mic input modification for 90-series mobile	17.00
L-910[6]	Install firmware 094F (90-series mobile * and # DTMF without PTT)	17.00
L-912	90-Series mobile low imp. mic. Input at RF deck	10.00
L-917	EXT PTT / Local KMC-27 mic disable PURPOSE: Disables the KMC-27 mobile hand mic element when 90-series mobile external PTT is active. For use with data modems, GPS AVL data units, headset systems (motorcycles, ambulance, fire engines), vehicle intercom	17.00
L-921	Modify 90-series mobile Dual Band (Single Head) for Pyramid Vehicular Repeater	75.00
L-922	Modify 90-series mobile Dual Band (Dual Head) for Pyramid Vehicular Repeater	75.00

[1] For KCK-6
---> Features: 90-Series AUX A, B, & C Inputs, 3 AUX 1 Amp Relay Outputs, D-Sub 25 90-Series Accessory Connector Parallel Feed Through
---> Supplied Items: Instruction Sheet (1pc.), KCK-6 (1pc.), Insulated Spade Lugs [0.250 female fully insulated, 16-14 wire range] (8pcs.)
***Hardware that may be required but NOT supplied - two 3/16" mounting screws, male-to-female DB-25 straight through serial cable, & wire peripheral.**
CAUTION: KCK-6 Relays are rated at 1A maximum. Do Not Exceed. The KCK-6 is not intended to directly drive siren and light packages. The siren/light package manufacturers recommended high amperage relay units and directions should be followed.
[2] For new radio tune orders only. Installs only the included KCH-10/11 key inserts. Must specify keys and placement (see Service Manuals for placement diagram, pg. 14). Also, see Service Manuals for technical details (pg. 14). Other Key Inserts are available from Parts Dept. See the "Service Related Accessories" section of the 90-series mobiles pricepages for more information.
[3] Please specify exact length at 1ft. increments when ordering.
[4] Extended control head cables exhibit a loss in speaker audio power to the control heads. For either type control head (KCH-10/11), it is recommended that the 13W audio output modification be implemented to drive extended cable runs and a KES-5 external speaker be used. Refer to the service manual pg. 15-17 for 13W modifications. Installing new radio firmware (hex files) via the KPG-44D software nor checking the firmware "checksum" is not possible through an extended control head cable. A standard KCT-22 cable of 25 ft. or less should be used when this has to be done. Normal KPG-44D radio parameter programming is possible at extended lengths.
[5] This cable substitutes for the ff: DC Cables:
---> KCT-23M2 75/110W Dash Mount DC Cable: 4 Conductor: 2x10 ft. positive, 2x10 ft. negative
---> KCT-23M4 75/110W Remote Mount DC Cable: 4 Conductor: 2x23 ft. positive, 2x23 ft. negative
[6] The firmware 094F gives the 90-series mobile the ability to generate a DTMF tone from the * and # keys without pushing the PTT button.

90-Series Mobile Radios Configuration Sets - Single Band

(see page 2 for more information)

DASH MOUNT / MEDIUM POWER

Model	*Description*	*List*
VHF HIGH BAND		
TK-790K	148-174 MHz, 45W, Basic front, 160 Channels (pre-packaged TK-790BK 9BMD1)	$1,013.00
	Note: Pre-packaged & fully assembled: basic front, medium power, dash mount mobiles. No need to use the assembly labor code L-846. If these versions are out of stock please order: "TK-790BK 9BMD1" and an L-846.	
TK-790BK 9BMD1	148-174 MHz, 45W, Basic front, 160 Channels	1,013.00
TK-790BK2 9BMD1	136-156 MHz, 45W, Basic front, 160 Channels	1,013.00
TK-790BK 9FMD1	148-174 MHz, 45W, Full front, 160 Channels	1,152.00
TK-790BK2 9FMD1	136-156 MHz, 45W, Full front, 160 Channels	1,152.00
UHF		
TK-890K	450-490 MHz, 40W, Basic front, 160 Chan. (prepackaged TK-890BK 9BMD1)	1,063.00
	Note: Pre-packaged & fully assembled: basic front, medium power, dash mount mobiles. No need to use the assembly labor code L-846. If these versions are out of stock please order: "TK-890BK 9BMD1" and an L-846.	
TK-890BK 9BMD1	450-490 MHz, 40W, Basic front, 160 Channels	1,063.00
TK-890BK2 9BMD1	480-512 MHz, 40W, Basic front, 160 Channels	1,063.00
TK-890BK3 9BMD1	403-430 MHz, 40W, Basic front, 160 Channels	1,063.00
TK-890BK 9FMD1	450-490 MHz, 40W, Full front, 160 Alpha/Num Channels	1,202.00
TK-890BK2 9FMD1	480-512 MHz, 40W, Full front, 160 Alpha/Num Channels	1,202.00
TK-890BK3 9FMD1	403-430 MHz, 40W, Full front, 160 Alpha/Num Channels	1,202.00
	Note: Order an L-846 for each model above if factory packaging is required (except the TK-790K & TK-890K pre-packaged models).	

DASH MOUNT / HIGH POWER

Model	*Description*	*List*
VHF LOW BAND		
TK-690HBK 9BHD1	29.7-37.0 MHz, 110W, Basic front, 160 Channels	1,331.00
TK-690HBK2 9BHD1	35.0-43.0 MHz, 110W, Basic front, 160 Channels	1,331.00
TK-690HBK3 9BHD1	40.0-50.0 MHz, 110W, Basic front, 160 Channels	1,331.00
TK-690HBK 9FHD1	29.7-37.0 MHz, 110W, Full front, 160 Alpha/Num Channels	1,470.00
TK-690HBK2 9FHD1	35.0-43.0 MHz, 110W, Full front, 160 Alpha/Num Channels	1,470.00
TK-690HBK3 9FHD1	40.0-50.0 MHz, 110W, Full front, 160 Alpha/Num Channels	1,470.00
VHF HIGH BAND		
TK-790HBK 9BHD1	148-174 MHz, 110W, Basic front, 160 Channels	1,491.00
TK-790HBK 9FHD1	148-174 MHz, 110W, Full front, 160 Alpha/Num Channels	1,630.00
UHF		
TK-890HBK 9BHD1	450-480 MHz, 100/75W, Basic front, 160 Channels	1,541.00
TK-890HBK 9FHD1	450-480 MHz, 100/75W, Full front, 160 Alpha/Num Channels	1,680.00

Note: Order an L-846 for each model above if factory packaging is required.

Warning: High power decks may not be suitable for some dash mount installations. Please account for size, weight & heat dissipation: Size-7.05" Wx2.36"Hx 12.97"D, Weight-8.36lbs

90-Series Mobile Radios Configuration Sets - Single Band Cont'd…

(see page 2 for more information)

SINGLE HEAD REMOTE / MEDIUM POWER

Model	Description	List
VHF HIGH BAND		
TK-790BK 9BMSH1	148-174 MHz, 45W, Basic front, 160 Channels	$1,236.00
TK-790BK2 9BMSH1	136-156 MHz, 45W, Basic front, 160 Channels	1,236.00
TK-790BK 9FMSH1	148-174 MHz, 45W, Full front, 160 Alpha/Num Channels	1,375.00
TK-790BK2 9FMSH1	136-156 MHz, 45W, Full front, 160 Channels	1,375.00
UHF		
TK-890BK 9BMSH1	450-490 MHz, 40W, Basic front, 160 Channels	1,286.00
TK-890BK2 9BMSH1	480-512 MHz, 40W, Basic front, 160 Channels	1,286.00
TK-890BK3 9BMSH1	403-430 MHz, 40W, Basic front, 160 Channels	1,286.00
TK-890BK 9FMSH1	450-490 MHz, 40W, Full front, 160 Alpha/Num Channels	1,425.00
TK-890BK2 9FMSH1	480-512 MHz, 40W, Full front, 160 Alpha/Num Channels	1,425.00
TK-890BK3 9FMSH1	403-430 MHz, 40W, Full front, 160 Alpha/Num Channels	1,425.00

Note: Order an L-846 for each model above if factory packaging is required.

SINGLE HEAD REMOTE / HIGH POWER

Model	Description	List
VHF LOW BAND		
TK-690HBK 9BHSH1	29.7-37.0 MHz, 110W, Basic front, 160 Channels	1,557.00
TK-690HBK2 9BHSH1	35.0-43.0 MHz, 110W, Basic front, 160 Channels	1,557.00
TK-690HBK3 9BHSH1	40.0-50.0 MHz, 110W, Basic front, 160 Channels	1,557.00
TK-690HBK 9FHSH1	29.7-37.0 MHz, 110W, Full front, 160 Alpha/Num Channels	1,696.00
TK-690HBK2 9FHSH1	35.0-43.0 MHz, 110W, Full front, 160 Alpha/Num Channels	1,696.00
TK-690HBK3 9FHSH1	40.0-50.0 MHz, 110W, Full front, 160 Alpha/Num Channels	1,696.00
VHF HIGH BAND		
TK-790HBK 9BHSH1	148-174 MHz, 110W, Basic front, 160 Channels	1,717.00
TK-790HBK 9FHSH1	148-174 MHz, 110W, Full front, 160 Alpha/Num Channels	1,856.00
UHF		
TK-890HBK 9BHSH1	450-480 MHz, 100/75W, Basic front, 160 Channels	1,767.00
TK-890HBK 9FHSH1	450-480 MHz, 100/75W, Full front, 160 Alpha/Num Channels	1,906.00

Note: Order an L-846 for each model above if factory packaging is required.

90-Series Mobile Radios Configuration Sets - Single Band Cont'd…

(see page 2 for more information)

DUAL HEAD REMOTE / MEDIUM POWER

Model	Description	List
VHF HIGH BAND		
TK-790BK 9BMDH1	148-174 MHz, 45W, Basic fronts, 160 Channels	$1,655.00
TK-790BK 9FMDH1	148-174 MHz, 45W, Full fronts, 160 Alpha/Num Channels	1,933.00
UHF		
TK-890BK 9BMDH1	450-490 MHz, 40W, Basic fronts, 160 Channels	1,705.00
TK-890BK2 9BMDH1	480-512 MHz, 40W, Basic fronts, 160 Channels	1,705.00
TK-890BK3 9BMDH1	403-430 MHz, 40W, Basic fronts, 160 Channels	1,705.00
TK-890BK 9FMDH1	450-490 MHz, 40W, Full fronts, 160 Alpha/Num Channels	1,983.00
TK-890BK2 9FMDH1	480-512 MHz, 40W, Full fronts, 160 Alpha/Num Channels	1,983.00
TK-890BK3 9FMDH1	403-430 MHz, 40W, Full fronts, 160 Alpha/Num Channels	1,983.00

Note: Order an L-847 for each model above if factory packaging is required.

DUAL HEAD REMOTE / HIGH POWER

Model	Description	List
VHF LOW BAND		
TK-690HBK 9BHDH1	29.7-37.0 MHz, 110W, Basic fronts, 160 Channels	1,976.00
TK-690HBK2 9BHDH1	35.0-43.0 MHz, 110W, Basic fronts, 160 Channels	1,976.00
TK-690HBK3 9BHDH1	40.0-50.0 MHz, 110W, Basic fronts, 160 Channels	1,976.00
TK-690HBK 9FHDH1	29.7-37.0 MHz, 110W, Full fronts, 160 Alpha/Num Channels	2,254.00
TK-690HBK2 9FHDH1	35.0-43.0 MHz, 110W, Full fronts, 160 Alpha/Num Channels	2,254.00
TK-690HBK3 9FHDH1	40.0-50.0 MHz, 110W, Full fronts, 160 Alpha/Num Channels	2,254.00
VHF HIGH BAND		
TK-790HBK 9BHDH1	148-174 MHz, 110W, Basic fronts, 160 Channels	2,136.00
TK-790HBK 9FHDH1	148-174 MHz, 110W, Full fronts, 160 Alpha/Num Channel	2,414.00
UHF		
TK-890HBK 9BHDH1	450-480 MHz, 100/75W, Basic fronts, 160 Channels	2,186.00
TK-890HBK 9FHDH1	450-480 MHz, 100/75W, Full fronts, 160 Alpha/Num Channels	2,464.00

Note: Order an L-847 for each model above if factory packaging is required.

90-Series Mobile Radios Configuration Sets - Dual Band Remote Mounts

Dual Band Mobiles must be ordered in components. Follow the three (3) steps listed below:

(1) [Choose the RF DECKS]: RF Decks can both be the same power or can be mixed (i.e. medium & high power).

Adhere to the compatibility chart below:

	TK-690	TK-790	TK-890
TK-690	X	O	O
TK-790	O	X	O
TK-890	O	O	X

O = Compatible
X = Not Compatible

MEDIUM POWER DECKS

Model	*Description*	*List*
TK-790BK	148-174 MHz, 45W, 160 Channels	$730.00
TK-790BK2	136-156 MHz, 45W, 160 Channels	730.00
TK-890BK	450-490 MHz, 40W, 160 Channels	780.00
TK-890BK2	480-512 MHz, 40W, 160 Channels	780.00
TK-890BK3	403-430 MHz, 40W, 160 Channels	780.00

Note: The TK-790BK2 band split, 136-156 MHz is for government/export only.

HIGH POWER DECKS

Model	*Description*	*List*
TK-690HBK	29.7-37.0 MHz, 110W, 160 Channels	1,020.00
TK-690HBK2	35.0-43.0 MHz, 110W, 160 Channels	1,020.00
TK-690HBK3	40.0-50.0 MHz, 110W, 160 Channels	1,020.00
TK-790HBK	148-174 MHz, 110W, 160 Channels	1,180.00
TK-890HBK	450-480 MHz, 100/75W, 160 Channels	1,230.00

(2) [Choose the Accessory Configuration Set]:
a. Choose one set to match the front panel type
B = Basic
F = Full Featured

b. And, each RF deck power range
MM = Medium/Medium Power
HH = High/High Power
HM = High/Medium Power
DB = Dual Band

Model	*Description*	*List*
9BHHDB	KCH-10, KRK-7DB, KMC-27, KCT-22M2, KCT-23M4(x2), KMB-9(x2)	725.00
9BHMDB	KCH-10, KRK-7DB, KMC-27, KCT-22M2, KCT-23M3, KCT-23M4, KMB-5, KMB-9	694.00
9BMMDB	KCH-10, KRK-7DB, KMC-27, KCT-22M2, KCT-23M3(x2), KMB-5(x2)	663.00
9FHHDB	KCH-11 KRK-7DB, KMC-27, KES-5, KCT-22M2, KCT-23M4(x2), KMB-9(x2)	864.00
9FHMDB	KCH-11 KRK-7DB, KMC-27, KES-5, KCT-22M2, KCT-23M3, KCT-23M4, KMB-5, KMB-9	833.00
9FMMDB	KCH-11 KRK-7DB, KMC-27, KES-5, KCT-22M2, KCT-23M3(x2), KMB-5(x2)	802.00

(3) [Optional]: Include the L-848 assembly labor code if factory packaging is required.

EXAMPLE ORDER

TK-790BK	RF Deck #1	730.00
TK-890BK2	RF Deck #2	780.00
9FMMDB	Accessory Set (90-Series, Full Feature Front, Medium/Medium Power, Dual Band)	802.00
L-848	Labor Code	34.00
	Total	**2,346.00**

90-Series Mobile Radios Configuration Sets - Dual Band Dual Head

Dual Band Dual Head Mobiles must be ordered in components. Follow the three (3) steps listed below:

(1) [Choose the RF DECKS]: RF Decks can both be the same power or can be mixed (i.e. medium & high power).

Adhere to the compatibility chart below:

	TK-690	TK-790	TK-890
TK-690	X	O	O
TK-790	O	X	O
TK-890	O	O	X

O = Compatible
X = Not Compatible

MEDIUM POWER DECKS

Model	*Description*	*List*
TK-790BK	148-174 MHz, 45W, 160 Channels	$730.00
TK-790BK2	136-156 MHz, 45W, 160 Channels	730.00
TK-890BK	450-490 MHz, 40W, 160 Channels	780.00
TK-890BK2	480-512 MHz, 40W, 160 Channels	780.00
TK-890BK3	403-430 MHz, 40W, 160 Channels	780.00

Note: The TK-790BK2 band split, 136-156 MHz is for government/export only.

HIGH POWER DECKS

Model	*Description*	*List*
TK-690HBK	29.7-37.0 MHz, 110W, 32 Channels	1,020.00
TK-690HBK2	35.0-43.0 MHz, 110W, 32 Channels	1,020.00
TK-690HBK3	40.0-50.0 MHz, 110W, 32 Channels	1,020.00
TK-790HBK	148-174 MHz, 110W, 160 Channels	1,180.00
TK-890HBK	450-480 MHz, 100/75W, 160 Channels	1,230.00

(2) [Choose the Accessory Configuration Set]:
a. Choose one set to match the front panel type
BB = Basic/Basic
FF = Full/Full Featured

b. And, each RF deck power range
MM = Medium/Medium Power
HH = High/High Power
HM = High/Medium Power

Model	*Description*	*List*
9BBHH	KCH-10(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M4(x2), KMB-9(x2)	1,064.00
9BBMM	KCH-10(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3(x2), KMB-5(x2)	1,002.00
9BBHM	KCH-10(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3, KCT-23M4, KMB-5, KMB-9	1,033.00
9FFHH	KCH-11(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M4(x2), KMB-9(x2), KES-5(x2)	1,342.00
9FFMM	KCH-11(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3(x2), KMB-5(x2), KES-5(x2)	1,280.00
9FFHM	KCH-11(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3, KCT-23M4, KMB-5, KMB-9, KES-5(x2)	1,311.00

(3) [Optional]: Include the L-849 assembly labor code if factory packaging is required.

EXAMPLE ORDER

TK-790BK	RF Deck #1	730.00
TK-890BK2	RF Deck #2	780.00
9FFMM	Accessory Set (9 = 90-Series, FF = Full/Full Front, MM = Medium/Medium Power)	1,280.00
L-849	Labor Code	50.00
	Total	**2,840.00**

IMPORTANT TK-890 INFORMATION

TK-890 Receiver Channel Spread (20MHz)

The lowest receive channel spread range is the factory default tuning if not otherwise specified. Refer to the table below; order L-850 (no charge) and specify receive spread at the time of ordering. Out of range orders cannot be accepted.

TK-890HBK Rated Transmit Power (100W / 75W)

The transmit power output is rated at 100 W from 450-470 MHz and 75W from 470-480 MHz. Radio power level automatically adjusts within these band ranges.

Model	RF Deck Freq. Range	**RX Ch. Spread**	TX Ch. Spread	Remarks
TK-890BK/K	**450-490**	20 MHz	40 MHz	
Factory default		**450-470**	450-490	
Order L-850, specify:		**460-480**	450-490	Red Dot Indicator *
Order L-850, specify:		**470-490**	450-490	Yellow Dot Indicator *
TK-890BK2	**480-512**	20 MHz	40 MHz	
Factory default		**480-500**	480-512	
Order L-850, specify:		**492-512**	480-512	Red Dot Indicator *
TK-890BK3	**403-430**	20 MHz	40 MHz	
Factory default		**410-430**	403-430	
Order L-850, specify:		**403-423**	403-430	Green Dot Indicator *
TK-890HBK	**450-480**	20 MHz	30 MHz	100 W: 450-470
Factory default		**450-470**	450-480	75 W: 470-480
Order L-850, specify:		**460-480**	450-480	Red Dot Indicator *

***Note:** If Kenwood changes the factory default, a colored label as denoted on the "Remarks" column, will be placed on the outside carton and on the radio itself to denote the frequency range to which it was tuned.

KENWOOD

Jun-05
Last Revised: 06/01/05

Note: All Models available through September 2005

Land-Mobile Price List

TK-760G/860G

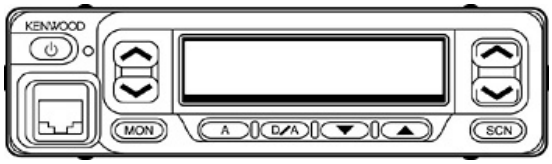
Compact Conventional FM Mobiles

Model	*Description*	*List*
VHF	***Includes: KMC-27B mic., DC power cable, mounting bracket***	
TK-760GK	148-174 MHz 25W, 128 CH	$472.00
TK-760GK2	136-162 MHz 25W, 128 CH	472.00
TK-760HGK	148-174 MHz 50W, 128 CH	565.00
TK-760HGK2	136-162 MHz 50W, 128 CH	565.00
UHF	***Includes: KMC-27B mic., DC power cable, mounting bracket***	
TK-860GK	450-490 MHz 25W, 128 CH	502.00
TK-860GK2	485-512 MHz 25W, 128 CH	502.00
TK-860GK3	400-430 MHz 25W, 128 CH	502.00
TK-860HGK	450-490 MHz 40W, 128 CH	598.00
TK-860HGK2	485-512 MHz 40W, 128 CH	598.00
TK-860HGK3	400-430 MHz 40W, 128 CH	598.00

TK-760G/860G FEATURES:

128 Channel Capacity
Flexible Channel Groups
Conventional
Scan with Priority
Multi-group/Single-group Scan
8 Character Alpha CH. Display (13 segment)
Lighted LCD Display
Power On LCD Text Message
10 Programmable Back-lit PF Keys
DTMF Store & Send Dialing
Operator Selectable QT/DQT (OST)
2 Tone Encode (10 code pairs selectable)
Front Panel Field-Programming Mode
Panel Test & Tuning Modes
12.5 / 25 kHz Channel Spacing (per channel)
High/Low Power per Channel
Companded Audio Per Channel (Narrow ch. only)
Built-in 4 W Speaker
2 Color LED Indicator
Inverting Front Panel
Home Channel Function
Key Lock Function
QT/DQT Encode/Decode
DTMF Decode & DTMF DBD
2-Tone Decode & 2-Tone Encode
DTMF ANI Encode
DTMF Auto Dial Memory (9 memories)
Auto-Redial (PF Key Function)
Busy Channel Lockout
Talk Around & Time Out Timer
Minimum Volume Setting
Power/Control/Warn Tone On/Off
Tone Volume Setting
Off Hook Decode (2-Tone/DTMF Decode)
Off Hook Horn Alert
PC Programming & Tuning
Clone Enable/Disable
Mobile-Portable Cloning

Flash ROM Memory
Embedded Message
MIL-STD 810 C, D & E
Horn Alert Output (req. KAP-1, KCT-19, & wire)
Ignition-Sense Power On (req. KCT-18 & KCT-19)
Ignition-Sense Horn Alert Disable (req. KAP-1,
KCT-19, KCT-18, & wire to horn relay)
Public Address Output Option (req. KAP-1, KCT-19 & Speaker)
AUX Manual Relay Output Option (req. KAP-1, KCT-19 & wire to horn relay)
Foot Switch Input (PF input) (req. KCT-19 & switch input to ground
KES-5 External Speaker Option (req. KCT-19)
KES-3 Compact External Speaker Opt. (plugs into mobile 3.5mm phono-jack)



KENWOOD

Jun-05
Last Revised: 06/01/05

Note: All Models available through September 2005

Accessories for the TK-760G/860G Series Radios

Model	*Description*	*List*
AVL UNITS		
Note: The 60G Series Radios have programmable data channel feature for steering the mobile to dedicated data channel per radio. For more information on AVL Units, please refer to the AVL pricepages.		
KGP-2A	GPS Receiver / Modem Unit (includes one dash-mount GPS antenna, mounting bracket, screw set)	525.00
KGP-2B	Base Modem Unit	225.00
KCT-35	KGP-2A & 2B Radio Interface Cable for 60G/62G/63G-Series Mobiles	21.00
KCT-36	KCT-35 Extension Cable; 117.6 inches (9.8 ft)	42.00
KPG-73D	Programming Software for KGP-2A/2B Windows® 95/98/Me	99.00
CABLES		
KCT-18	Ignition Sense Cable (Requires KCT-19)	13.00
KCT-19	Accessory Interface Cable (i.e., data, horn alert)	21.00
INSTALLATION ACCESSORIES		
KAP-1	Horn Alert/P.A. Relay Option (requires KCT-19)	40.00
KMB-20	Mobile cabinet for KPS-15 Power Supplies (mobile mounting hardware included) For 60G/60HG/62G/62HG/63G/80-series mobiles	25.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak) ***Compatible with medium & high power compact mobiles only:**60G/60HG/62G/62HG/80/150/180/160-series mobiles	167.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	39.50
KMB-10	Key lock adapter for the mobile bracket (KMB-6)	25.00
ST-865KW4 [1]	SmarTrunk II™ Logic Board **(Requires ST-909) (for 60G/70G portables & 62G/60G mobiles only)**	115.00
ST-909	Installation cable for ST-865KW4 **(for 62G/60G-series mobiles only)**	32.00
	SmarTrunk II™ is a registered trademark of SmarTrunk Systems Inc.	
MICROPHONE AND SPEAKERS		
KES-3	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	42.00
KES-5	External Speaker, 40W max input, black case (60G-Series mobiles require a KCT-19 option)	59.00
KMC-27A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug)	99.00
KMC-27B	Standard dynamic mobile microphone (8-pin mod. plug) --- **same as supplied w/ radio**	40.00
KMC-28A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug) w/ DTMF	155.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	82.00
SERVICE RELATED ACCESSORIES		
KCT-35	KGP-2A & 2B Radio Interface Cable for 60G/62G/63G-Series Mobiles	21.00
KCT-36	KCT-35 Extension Cable; 117.6 inches (9.8 ft)	42.00
KPG-46	Mobile Programming interface cable (8-pin mic jack mobiles)	N/A
KPG-56DK	Programming Software for 60G/70G Portables & 60G/62G Mobiles Models	N/A
KPG-73D	Programming Software for KGP-2A/2B Windows® 95/98/Me	99.00

Note: All Models available through September 2005

Installation / Tuning Charges for the TK-760G/860G Series Radios

Model	*Description*	*List*
L-136	Tune TK-760/760G/860/860G	$20.00
L-895	Install KCT-19 in 60G/62G Series Mobiles for Data/MDT mode	17.00
L-896	Install KCT-19 in 60G/62G Series Mobiles for SmarTrunk Omni mode	17.00
L-897	Install KCT-19 in 60G/62G Series Mobiles for Emergency Foot Sw. Input	17.00
L-908	Install ST-865KW4/ST-909 (in 60G mobile)	20.00
L-930	Install KCT-35 in 60G/62G/63G Series Mobiles for KDS-100/KGP-2A/2B Interface (order KCT-35 separately)	21.00

[1] ST-865KW4/ST-909 - compatible with production lots starting Feb. 2000; Serial number 111xxxxx or higher (carton stamped "D"). These are not replacements for the ST-865KW2/ST-908 SmarTrunk II products for the 60/62-Series mobiles and 60/70-Series portables. For detailed information on SmarTrunk II- Kenwood radio features and logic controller information visit SmarTrunk Inc.'s web site for informative downloads such as the
"ST-865KW4 SmarTrunk II Installation and Operation Manual for Kenwood "G" Series Transceivers" and the SmarTrunk II Digital Trunking System - System Overview manual.

KENWOOD

Jun-05
Last Revised: 06./01/05

Land-Mobile Price List

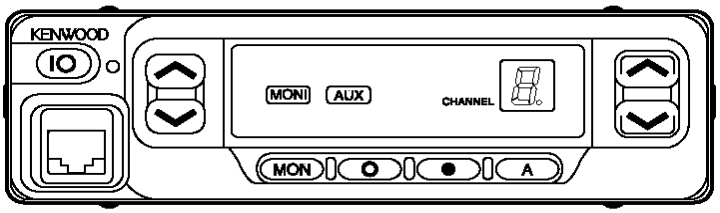
TK-762G/862G

Compact Conventional FM Mobiles

Model	*Description*		*List*
VHF	***Includes: KMC-27B mic., DC power cable, mounting bracket (G-Series)***		
TK-762GK	148-174 MHz 25W, 8 CH		$409.00
TK-762GK2	136-162 MHz 25W, 8 CH	(available through September 2005)	409.00
TK-762HGK	148-174 MHz 50W, 8 CH		450.00
TK-762HGK2	136-162 MHz 50W, 8 CH	(available through September 2005)	450.00
UHF	***Includes: KMC-27B mic., DC power cable, mounting bracket (G-Series)***		
TK-862GK	450-490 MHz 25W, 8 CH		459.00
TK-862GK2	485-512 MHz 25W, 8 CH	(available through September 2005)	459.00
TK-862HGK	450-490 MHz 40W, 8 CH		555.00

TK-762G/862G FEATURES:

8 Channel Capacity
Conventional (no scan)
1 Digit Numeric Channel Display
Lighted LCD Display
8 Programmable Back-lit PF Keys
2 Tone Encode (1 code pair)
12.5 / 25 kHz Channel Spacing (per channel)
High/Low Power per Channel
Companded Audio Per Channel (narrow ch. only)
Built-in 4 W Speaker
2 Color LED Indicator
Inverting Front Panel
Home Channel Function
Key Lock Function
QT/DQT Encode/Decode
DTMF Decode & DTMF DBD
2-Tone Decode & 2-Tone Encode
DTMF ANI Encode
DTMF Auto Dial Memory (9 memories)
Auto-Redial (PF Key Function)
Busy Channel Lockout
Talk Around & Time Out Timer
Minimum Volume Setting
Power/Control/Warn Tone On/Off
Tone Volume Setting



Off Hook Decode (2-Tone/DTMF Decode)
Off Hook Horn Alert
PC Programming & Tuning
Clone Enable/Disable
Mobile-Portable Cloning
Flash ROM Memory
Embedded Message
MIL-STD 810 C, D & E
Horn Alert Output (req. KAP-1, KCT-19, & wire)
Ignition-Sense Power On (req. KCT-18 & KCT-19)
Ignition-Sense Horn Alert Disable (req. KAP-1, KCT-19, KCT-18, & wire to horn relay)
Public Address Output Option (req. KAP-1, KCT-19 & Speaker)
AUX Manual Relay Output Option (req. KAP-1, KCT-19 & wire to horn relay)
Foot Switch Input (PF input) (req. KCT-19 & switch input to ground)
· KES-5 External Speaker Option (req. KCT-19)
· KES-3 Compact External Speaker Opt. (plugs into mobile 3.5mm phono-jack)

Accessories for the TK-762G/862G Series Radios

Model	Description	List
AVL UNITS		
	Note: The 60G/62G Series Radios have programmable data channel feature for steering the mobile to dedicated data channel per radio. **For more information on AVL Units, please refer to the AVL pricepages.**	
KGP-2A	GPS Receiver / Modem Unit (includes one dash-mount GPS antenna, mounting bracket, screw set)	525.00
KGP-2B	Base Modem Unit	225.00
KCT-35	KGP-2A & 2B Radio Interface Cable for 60G/62G/63G-Series Mobiles	21.00
KCT-36	KCT-35 Extension Cable; 117.6 inches (9.8 ft)	42.00
KPG-73D	Programming Software for KGP-2A/2B Windows® 95/98/Me	99.00
CABLES		
KCT-18	Ignition Sense Cable (Requires KCT-19)	13.00
KCT-19	Accessory Interface Cable (i.e., data, horn alert)	21.00
INSTALLATION ACCESSORIES		
KAP-1	Horn Alert/P.A. Relay Option (Requires KCT-19)	40.00
KMB-20	Mobile cabinet for KPS-15 Power Supplies (mobile mounting hardware included) For 60G/60HG/62G/62HG/80-series mobiles	25.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak) ***Compatible with medium & high power compact mobiles only:** 60G/60HG/62G/62HG/80/150/180/160-series mobiles	167.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	39.50
KMB-10	Key lock adapter	25.00
ST-865KW4[1]	SmarTrunk II™ Logic Board **(Requires ST-909) (for 60G/70G portables & 62G/60G mobiles)**	115.00
	SmarTrunk II™ is a registered trademark of SmarTrunk Systems Inc.	
ST-909	Installation cable for ST-865KW4 **(for 62G/60G-series mobiles only)**	32.00
MICROPHONE AND SPEAKERS		
KES-3	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	42.00
KES-5	External Speaker, 40W max input, black case (62G-Series mobiles require a KCT-19 option)	59.00
KMC-27A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug)	99.00
KMC-27B	Standard dynamic mobile microphone (8-pin mod. plug) --- **same as supplied w/ radio**	40.00
KMC-28A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug) w/ DTMF	155.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	82.00
SERVICE RELATED ACCESSORIES		
KCT-35	KGP-2A & 2B Radio Interface Cable for 60G/62G/63G-Series Mobiles	21.00
KCT-36	KCT-35 Extension Cable; 117.6 inches (9.8 ft)	42.00
KPG-46	Mobile Programming interface cable (8-pin mic jack mobiles)	N/A
KPG-56DK	Programming Software for 60G/70G Portables & 60G/62G Series Mobiles	N/A
KPG-73D	Programming Software for KGP-2A/2B Windows® 95/98/Me	99.00

Installation / Tuning Charges for the TK-762G/862G Series Radios

Model	*Description*	*List*
L-136	Tune TK-762G/862G	$20.00
L-895	Install KCT-19 in 60G/62G Series Mobiles for Data/MDT mode	17.00
L-896	Install KCT-19 in 60G/62G Series Mobiles for SmarTrunk Omni mode	17.00
L-897	Install KCT-19 in 60G/62G Series Mobiles for Emergency Foot Sw. Input	17.00
L-908	Install ST-865KW4/ST-909 (in 60G/62G mobile)	20.00
L-930	Install KCT-35 in 60G/62G/63G Series Mobiles for KDS-100/KGP-2A/2B Interface (order KCT-35 seprately)	21.00

[1] ST-865KW4/ST-909 - compatible with production lots starting Feb. 2000; Serial number 111xxxxx or higher (carton stamped "D"). These are not replacements for the ST-865KW2/ST-908 SmarTrunk II products for the 60/62-Series mobiles and 60/70-Series portables. For detailed information on SmarTrunk II- Kenwood radio features and logic controller information visit SmarTrunk Inc.'s web site for informative downloads such as the
"ST-865KW4 SmarTrunk II Installation and Operation Manual for Kenwood "G" Series Transceivers" and the SmarTrunk II Digital Trunking System - System Overview manual.

KENWOOD

Jun-05
Last Revised: 06/01/05

Land-Mobile Price List

TK-780/880

VHF / UHF Trunking / Conventional Mobile Radios

Model	*Description*	*List*
VHF	***Includes: KMC-27B Mic., DC Cable, Mounting bracket***	
TK-780K	146-174 MHz 25W, LTR-32 Systems, CONV-250 CH.	$567.00
TK-780K2	136-162 MHz 25W, LTR-32 Systems, CONV-250 CH.	567.00
TK-780HK	146-174 MHz 45W, LTR-32 Systems, CONV-250 CH.	684.00
TK-780HK2	136-162 MHz 45W, LTR-32 Systems, CONV-250 CH.	684.00
UHF	***Includes: KMC-27B Mic., DC Cable, Mounting bracket***	
TK-880K	450-490 MHz 25W, LTR-32 Systems, CONV-250 CH.	567.00
TK-880K2	485-512 MHz 25W, LTR-32 Systems, CONV-250 CH.	567.00
TK-880K3	400-430 MHz 25W, LTR-32 Systems, CONV-250 CH.	567.00
TK-880HK	450-490 MHz 40W, LTR-32 Systems, CONV-250 CH.	684.00
TK-880HK2	485-512 MHz 40W, LTR-32 Systems, CONV-250 CH.	684.00
TK-880HK3	400-430 MHz 40W, LTR-32 Systems, CONV-250 CH.	684.00

TK-780/880 FEATURES:

GENERAL FEATURES:
25W VHF & UHF
45W VHF & 40W UHF (H Models)
Wide Band Frequency Ranges
12.5 / 25 kHz Channel Spacing
Programmable Power Per Channel
Companded Audio Per Channel
(wide & narrow*)
4 W Speaker Audio Power
Inverting Front Panel (speaker position)
10 Character Alphanumeric Display
3 Numeric Character Sub-Display
Dot Matrix Backlit LCD
LCD Operational Icons
Two Color Tri-State LED Indicator
4 PF Keys (lighted)
Shift Key Function (req. DTMF mic)
FleetSync®
Encryption/Scrambler Board Support
ANI Board Support
Emergency Type (FS, DTMF, ANI Brd.)*
Emergency Calling Feature
DTMF Decode Selective Call
DTMF Deadbeat Disable
DTMF PTT ID & DTMF Emergency ID*
Alert with Transpond (2-Tone, DTMF)*
PTT ID Side-Tone (ANI Boards)*
PTT ID TA Inhibit*
Call Alert Tone: Mom or Continuous
(2-Tone, DTMF & FleetSync®)*
Auto-Dial Memory (32 numbers)
Horn Alert (Programmable Output)
Public Address
Single COM Port: FS & GPS serial data*
Programmable Function DTMF Mics
Data Port I/O's (KCT-19)
FleetSync® COM 1 & 2 (KCT-31)
Accessory Connector Option (KCT-19)
Ignition Sense On/Off
Timed Power Off (8 hr.)
Inhibit PTT ID in TA
PTT Release Tone
Minimum Volume
Control Tones On/Off
Power On Text
Embedded Message (64 Char.)
Data Password ("Anti-piracy")
Radio Password (Radio Lock)
Clone Capability (enable/disable)
Front Panel Field Programming & Tuning
Windows® Programming & Tuning
Flash ROM Firmware
KES-3 External Speaker (compact)
KES-5 External Speaker (req. KCT-19)
MIL-Spec/Noise-Cancel Mic Options
KDS-100 Compatible (req. KCT-34/36)
KGP-2A/2B Compatible (req. KCT-34/36)
MIL810 C, D & E (9 categories)

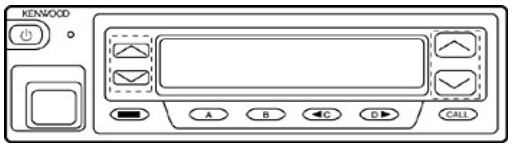
CONVENTIONAL MODE
250 CH (aggregate max.)
Single Priority Scan
Single/Multi-Group Scan
Scan Revert Channel Display
Scan Delete/Add
Nuisance Delete
QT/DQT Encode & Decode
Operator Selectable Tone (16 OST)
2-Tone Decode (A, B, C, A-B, A-C, C-B; 2 decode pairs)*
BCL, BCL Override, TOT & TA

TRUNKED MODE
32 Systems (max.)
Trunked LTR & Conventional Systems
250 Group IDs (aggregate max.)
Single Priority Scan (within any Conv. System only)
LTR Talk Around / Scan Revert Group Display
System Scan & Group Scan / Auto System Searcl

FLEETSYNC®
PTT ID (Digital ANI; 100 ID List capacity*)
Caller ID Display (per CH; BOT only)*
Caller ID Stack (last 3 calls)*
Status Messaging (50 Msg. List capacity*)
70 Custom Dispatch Messages
9 Reserved Special Use Messages
ST# 98 - Man Down Emergergency (portables)*
ST# 99- Emergency Status
ST# 88- Emergency Mode Off*
ST# 89- Horn Alert Request*
ST# 90- Stun radio (No TX)
ST# 91- Stun radio (No TX / No RX audio)
ST# 92- Turn off Stun
ST# 93- ACK stun is ON
ST# 94- ACK stun is OFF
ST# 80-87, 95-97 (Reserved for future use)
Selective Call
Short Text Messages** (stored/display)
Long Text Message** (req. KDS-100, KCT-34/36)
PC Serial Control Interface** (req. KCT-31)
FS GPS Data** (req. aftermarket GPS/modification)
PC Serial Interface**

*** Features added in Ver. 2 radios**
**** Fleetsync® Enhanced Option required (included as of 10/1/02)**

INCLUDED ITEMS:
KMC-27B Standard Microphone
DC Cable
Mounting Bracket
☐ Instruction Manual



Accessories for the TK-780/880 Series Radios

Model	*Description*	*List*
MOBILE INSTALLATION ACCESSORIES		
KAP-1	Horn Alert/P.A. Relay Option (requires KCT-19)	40.00
KCT-18	Ignition sense cable (requires KCT-19)	13.00
KCT-19	Accessory connector cable (for ignition sense, horn alert, KSP- spkrs, & Data Port)	21.00
KCT-34	KGP-2A/2B & KDS-100 Radio Interface Cable for 80-Series Mobiles	21.00
KCT-36	KCT-34/35/39/40M Extension Cable; 117.6 inches (9.8 ft)	42.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	39.50
KMB-6	Mobile mounting bracket (same as supplied)	12.00
KMB-10	Key lock adapter (for both KMB-4 & 6)	25.00
CONTROL STATION INSTALLATION ACCESSORIES		
KCT-31	PC Serial Interface cable (80-Series mobile-to-PC connection for FleetSync®)	70.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	82.00
KMB-20	Control Station Mounting Case for KPS-15 Power Supplies (mobile mounting hardware included) For 60G/60HG/62G/62HG/80-series mobiles	25.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak) ***Compatible with medium & high power compact mobiles only:** 60G/60HG/62G/62HG/80/150/180/160-Series mobiles; See KMB-20 mounting case	167.00
KAS-2FSD	**FleetDispatchPRO: FleetSync® messaging dispatch software for PC (Windows® 98/Me/NT/2000/XP compatible) Supports the following FleetSync® features: decodes PTT ID, decodes Emergency, encode/decodes Status Messages, encodes Short & Long Text Mesages.**	365.00

COMPUTER SYSTEM REQUIREMENTS
- ☐Windows® 98/Me/NT/2000/XP OS / Pentium II 450 MHz or better
- ☐10 MB of hard disk drive space / 64MB RAM / CD ROM Drive / Mouse
- ☐Super VGA color monitor or better / 1024 x 768 or higher resolution setting
- ☐1 Serial Port (for mobile serial cable)
- ☐1 Parallel Port (for FleetDispatchPRO hardware key; single PC use only; not LAN compatible)
- ☐Package Contents: CD ROM, Instruction Manual, Hardware Key

MOBILE PC STATION REQUIREMENTS
- ☐FleetSync® PC Serial Interface capable (FleetSync® enhanced enabled)
- ☐Installed PC Serial Interface Cable (see mobile options/accessories)
- ☐Base Station Desktop Microphone recommended (see mobile options/accessories)

ACCESSORY COMPATIBILITY FOR THE 80-SERIES MOBILES

	KCT-18	KCT-19	KAP-1	KCT-31	KCT-34	KCT-35	KCT-36	KDS-100	KGP-2A/2B
KCT-18		X	X (a)	X (b)	X (b)	X (b)	:	X (b)	X (b)
KCT-19	X		X (a)	X (c)	:	:	:	:	:
KAP-1	X (a)	X (a)		X (d)	:	:	:	:	:
KCT-31	X (b)	X (c)	X (c)		:	:	:	:	:
KCT-34	X (b)	:	:	:		:	X	X	X
KCT-35	X (b)	:	:	:	:		X	X	X
KCT-36					X	X		X	X
KDS-100	X (b)	:	:	:	X	X	X		:
KGP-2A/2B	X (b)	:	:	:	X	X	X	:	

Chart Key

X = compatible

X ( )= compatible, but additional options/modification may be required; some modifications are "Dealer-installed only; refer to Kenwood application notes" (no Kenwood install labor code available).

Blank= Not compatible

Gray= Non-applicable

Remarks

(a) The KAP-1 PA/HA relay board requires a KCT-19 to route the PA & HA outputs external of the mobile.

(b) Installing the option in the left-hand column will require the KCT-18 to be routed under the DC cable grommet, stripped /tinned and soldered directly to the ignition sense input inside the mobile Dealer-installed only; refer to Kenwood application notes.

(c) [80-Series mobile only] This install must share the SB+ and GND connections. The KCT-31 connects to the 80-Series COM1 port only. Dealer-installed only; refer to Kenwood application notes.

(d) [80-Series mobile only] This install must share the SB+ and GND connections. Dealer-installed only; refer to Kenwood application notes.The KAP-1 requires a KCT-19.

Accessories for the TK-780/880 Series Radios

Model	Description	List
MICROPHONES AND SPEAKERS		
KES-3	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	42.00
KES-5	External speaker, 40W max input, blk case; 5"x5"x2-9/16" (requires KCT-19)	59.00
KMC-27A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug)	99.00
KMC-27B	Standard dynamic mobile microphone (8-pin mod. plug) --- **same as supplied with radio**	40.00
KMC-28A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug) w/ DTMF	155.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	82.00
FLEETSYNC® MOBILE DATA TERMINAL	**See the KDS-100 price pages for detailed information**	
KDS-100	FleetSync® Data Terminal- Includes mounting bracket, mounting hardware and DC Cable **Note**: 80-Series mobiles require the FleetSync® Enhanced option enabled. KCT-34 Radio Interface cable is required. Use a KCT-36 9.8 ft. for an extension cable	595.00
KCT-34	KGP-2A/2B & KDS-100 Radio Interface Cable for 80-Series Mobiles	21.00
KCT-36	KCT-34/35/39/40M Extension Cable; 117.6 inches (9.8 ft)	42.00
KPG-71D	Programming Software for KDS-100 Windows® 95/98/Me	$99.00
KAS-2SFD	**FleetDispatchPRO: FleetSync® messaging dispatch software for PC (Windows® 98/Me/NT/2000/XP compatible) Supports the following FleetSync® features: decodes PTT ID, decodes Emergency, encode/decodes Status Messages, encodes Short & Long Text Mesages.**	498.00
AVL UNITS	**See the AVL price pages for detailed information**	
KGP-2A	GPS Receiver / Modem Unit (includes one dash-mount GPS antenna, mounting bracket, screw set)	525.00
KGP-2B	Base Modem Unit	225.00
	Note: A KGP-2A/2B AVL system requires aftermarket AVL mapping dispatch software -see AVL price pages	
KCT-34	KGP-2A/2B & KDS-100 Radio Interface Cable for 80-Series Mobiles	21.00
KCT-36	KCT-34/35/39/40M Extension Cable; 117.6 inches (9.8 ft)	42.00
KPG-73D	Programming Software for KGP-2A/2B Windows® 95/98/Me	99.00

QE-2 G-Star®/ MDC1200 DIGITAL ANI MODULES by Cimarron Technologies

How to Order: Please see QE-2 Information and Order Sheet available from LMR Order Desk

1. Select the proper model/ quantity of radios, desired MDC1200 (L-901) or G-Star (L-902) ANI format labor code.
2. Refer to the "QE-2 MDC-1200 Information/Order Sheet" available from the LMR Order Desk; select the ID format, ID codes and other feature options
3. Fax the Order Sheet with your radio order to your authorized Kenwood Rep or LMR Order Desk

All order sheet items must be filled out even if the feature option is "disabled" (incomplete Order Sheets will not be processed).

a. QE-2's are Kenwood installed only; these are not available as "shipped loose" (pre-programmed or not).

b. Allow a min. 1 week delivery ARO for 1- 25 units (allow min. 3 weeks for 25 units and up).

Notes:
Emergency "Man-down" features require an installed CAE-3 internal man-down tilt switch option (portables only).
Dealers can purchase a QE-2 programmer , Model QPF-2, direct from Cimarrron Technologies Call 800-487-7184www.cimtechcorp.com

QE-2	G-Star® or MDC1200 ANI Board : PTT ANI & Emergency **Important Factory Install Only – Order L-901 or L-902**	128.00

Accessories for the TK-780/880 Series Radios

Model	*Description*	*List*
SERVICE RELATED ACCESSORIES		
KPG-46	Mobile Programming interface cable (8-pin mic jack mobiles)	N/A
KPG-49DK	P.C. Programming Software for TK-280/380/480/481/780/880/980/981 V3.00 or higher	N/A
KPG-73D	Programming Software for KGP-2A/2B Windows® 95/98/Me	99.00
**********	**Call Kenwood Parts at 800-367-7514 to order the following:**	
E30-3382-05	Clone cable	$11.28
J29-0627-13	Mounting bracket for TK-780/880/980/981 --- same as supplied w/ radio	7.04

Installation / Tuning Charges for the TK-780/880 Series Radios

Model	*Description*	*List*
L-857	Tune TK-780/880/980/981	25.00
L-901	Program and install QE-2 MDC1200 Encoder	75.00
L-902	Program and install QE-2 G-Star® Encoder	75.00
L-918	Install KCT-31 in 80-Series mobile (order KCT-31 separately)	21.00
L-929	Install KCT-34 to 80-Series mobile for KGP-2A/2B or KDS-100 interface (order KCT-34 separately)	21.00

PassPort® Options (Kenwood-installed)

FOR NEW RADIO ORDERS ONLY

Ordering Instructions

For VHF/UHF models TK-280/780/380/880 new radio orders, the Kenwood-installed PassPort® ESN / firmware option is no charge: Order the PassPort® ESN/Firmware option L-938 for each PassPort® radio.

Other required items:
a. KPG-63D Radio Programming Software: the KPG-63D is required to program all PassPort® parameters for all PassPort® enabled radios, the KPG-63D will not program LTR or conventional parameters.
b. KPG-49D is required only if LTR or conventional systems are to also be programmed in the PassPort® radi

Model	*Description*	*List*
L-938	Install PassPort® ESN options and firmware; NO CHARGE for new TK-280/380/780/880 orders Note: Only current 80-Series Version 2.0 production radios (“Ver. 2.0” appears on FCC ID label)	0.00

PassPort® Radio Programming Software		
KPG-63D	PassPort® Radio Programming Software V2.00 or higher	65.00

PassPort® Options (Field-installation kits)

FOR DEALER / OPERATOR FIELD CONVERSIONS

Ordering Instructions

1. Order the ESN key/firmware Labor Code options: L-892, L-893 or L-894; specify model radio(s).
Pre-loaded ESN hardware key(s) with the ordered quantities of ESN's and a PassPort® radio firmware diskette will be shipped (100 ESN's maximum per hardware key). **Important: Any depleted key previously registered to a technicians computer must be retained to register any new purchased key to the computer; please retain the old key until the new one is received.**
2. Other required items:
a. KPG-64D: PassPort® ESN Install Program: the KPG-64D only needs to be ordered one time. It is re-usable for subsequent ESN orders (unless an upgrade is recommended).
b. KPG-63D Radio Programming Software: required to program all PassPort parameters for all PassPort® enabled radios, the KPG-63D will not program LTR or conventional parameters.
c. KPG-49D Radio Programming Software: required only if LTR or conventional systems are also tbe programmed in the PassPort® radio.
3. The KPG-49D radio programming software is required for LTR & conventional site programming [2].

Model	*Description*	*List*
L-892	PassPort® ESN Options & PassPort® firmware disk **(SPECIFY RADIO MODEL)** · 1-24 qty. lot price; Price is per ESN	$68.00
L-893	PassPort® ESN Options & PassPort® firmware disk **(SPECIFY RADIO MODEL)** · 25-99 qty. lot price; Price is per ESN	68.00
L-894	PassPort® ESN Options & PassPort® firmware disk **(SPECIFY RADIO MODEL)** · 100 qty lot price; Price is per ESN · Maximum 100 ESN options per hardware key	68.00
Note: *Sales of L-892, 893, 894 are NOT refundable. Purchaser has a 72 hour limit after receipt to report suspected hardware key defects or ESN shortages to Kenwood engineering, Suwanee office 678-474-4700*		
SRB08698	Hardware Key (Sentinel Super Pro)	83.33

NOTES:
· Requires purchase of L-892, 893 or 894
· Sales of L-892, 893, 894 are NOT refundable
· Maximum 100 ESNs per hardware key
· Requires KPG-64D to download PassPort® ESN options into an 80-Series radio.
· Important: The hardware key is registered to the computer that it is first used on; it cannot be used on other computers.
· Empty hardware keys can be returned for 50% credit; call the LMR order desk for RMA #.
· Important: Retain depleted keys until a new one is received. It will be required to register the new key to the same computer.

KPG-64D	PassPort® ESN Field Installation Software V1.12 · V1.12: supercedes V1.11; upgrade to V1.12 recommended for improved ESN file database features	10.00
KPG-63DK	PassPort® Radio Programming Software V2.00 or higher	$65.00

KENWOOD
COMMUNICATIONS

April 2002

KENWOOD U.S.A. CORPORATION
LIMITED WARRANTY ON SYSTEMS, SYSTEM COMPONENTS AND SERVICES

Kenwood Communications Corporation ("KCC") warrants its Systems and System Components, including but not limited to, repeaters, controllers, power amplifiers, power supplies, power distribution panels, combiners, receiver multi-couplers, antenna systems, reinforced antenna systems, control stations, consoles as follows:

HOW LONG IS THE WARRANTY
The Limited Warranty will remain in effect based on the following table, measured from the date of system acceptance on KCC system contracts or date of invoice for standard systems and components.

PRODUCT CATEGORY	WARRANTY PERIOD
Kenwood Labeled System Components and Kenwood Integrated Complete Systems	2 Years
Non-Kenwood System Components	Original Manufacturer's Warranty
Portable Handheld Radios, Mobile Radios and Land Mobile Accessories	See KCC Land Mobile Radio Warranty
Systems Services (Including Engineering, Installation, & Programming)	90 Days

WHO IS PROTECTED
This Warranty is enforceable only by the first end user ("Buyer").

PRODUCT WARRANTY
Except as specified below, this Warranty covers all defects in materials and workmanship in KCC Systems and System Components. The following are not covered by the Warranty:

1. Damage, deterioration or failure resulting from:
   A. Accident, misuse, abuse, neglect, product modification or failure to follow instructions contained in the Owner's and Operations Manuals.
   B. Repair or attempted repair by anyone not authorized by KCC.
   C. Installation of parts or accessories that do not conform to the quality or specifications of the original parts or accessories.
   D. Improper installation of the product in, or improper removal of the product from any location.
   E. Environmental conditions which adversely effect systems/product performance such as; exposure to fire, water, excessive moisture, dampness, extreme changes in climate or temperature or other environmental conditions or other acts including power surges, lightning, electro-static discharge, acts of God or other casualties which are not the fault of KENWOOD and which the Product is not specified to tolerate.
   F. Battery leakage, water, or other elements.
   G. Use of a Product in conjunction with hardware or software electrically or mechanically incompatible with such Product.
   H. Use of a Product in conjunction with accessories or ancillary equipment not supplied by KENWOOD.
   I. Normal and customary wear and tear.
2. Damage or loss occurring during shipment (claims must be presented to the carrier).
3. Any product, which is not new when sold to the first end user unless otherwise specified at time of sale.
4. Any product upon which the serial number has been defaced, modified or removed.

USE OF PRODUCT WITH NON-KENWOOD SUPPLIED EQUIPMENT AND ACCESSORIES
USE OF THE PRODUCT WITH ACCESSORIES OR OTHER EQUIPMENT NOT SUPPLIED BY KENWOOD OR OTHERWISE NOT EXPRESSLY AUTHORIZED BY KENWOOD MAY BE DANGEROUS AND WILL VOID THE PRODUCT WARRANTY. ALL SUCH ACCESSORIES AND ANCILLARY EQUIPMENT ARE EXPRESSLY EXCLUDED FROM THIS WARRANTY. BECAUSE EACH SYSTEM THAT MAY INCORPORATE A PRODUCT IS UNIQUE, KENWOOD DISCLAIMS ANY LIABILITY OR WARRANTY COVERAGE FOR OR WITH RESPECT TO RANGE, COVERAGE OR OPERATION OF THE SYSTEM AS A WHOLE.

WORKMANSHIP WARRANTY
KCC warrants the Services performed by KCC to be free from defects in workmanship for ninety (90) days from System Acceptance. KCC's obligation and Buyer's remedy under this warranty for Services is limited to the correction of the defective Services. Such obligation and remedy are conditional upon the defect not being the result of mishandling, abuse, misuse, or improper maintenance by Buyer, or other causes not attributable to KCC. The correction of defective Services shall be warranted for a period of thirty (30) days or the remainder of the original warranty period, whichever is longer.

WHAT WE WILL PAY FOR AND WHAT YOU MUST PAY FOR
KCC will pay all labor and material expenses for items covered by this Warranty at KCC's location in Friendswood, TX. or at one of the KENWOOD Authorized Service Centers. Contact the phone numbers below to determine where your product must be shipped (it depends on the product to be repaired as to where it is sent). If it is necessary to ship the product for Warranty service, you, the Buyer, are responsible for the initial shipping charges, but we will pay the return shipping charges at ground rates if the product is repaired or replaced under Warranty. The Buyer will pay any express return shipping costs. Unless KCC has installed the system under contract, you are responsible for any charges incurred in diagnosing the problem, removing the product from the rack, cabinet, vehicle, or other site of use and for reinstallation of the repaired or replaced product.

HOW TO OBTAIN WARRANTY SERVICE
Before sending any units for warranty work please call one of the phone numbers below to find out where your unit must be sent. KCC Systems in Friendswood, TX or an authorized service center (depending on the product) must service your KCC System or System Component. KCC Systems customer service staff is available between 8:00 a.m. and 5:00 p.m., Monday through Friday Central Time. If you have difficulty in obtaining service, please write or telephone KCC Systems at the address and phone numbers below.

EXCLUSION OF IMPLIED WARRANTIES AND DAMAGES
Unless considered unlawful or unenforceable under applicable law:

A. ALL EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO KCC SYSTEMS AND SYSTEM COMPONENTS, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY EXCLUDED.
B. KCC'S LIABILITY UNDER THIS WARRANTY SHALL BE LIMITED TO THE REPAIR OR REPLACEMENT, AT KCCS OPTION, OF ANY DEFECTIVE PRODUCT, AND SHALL NOT INCLUDE DAMAGES OF ANY KIND, WHETHER INCIDENTAL, CONSEQUENTIAL, INDIRECT, EXEMPLARY OR OTHERWISE.

This Warranty is enforceable only in the United States of America.

KENWOOD COMMUNICATIONS SYSTEMS DIVISION
3975 Johns Creek Court, Ste. 400
Phone: (888) 878-6546 or (678) 474-4700 Fax: (678) 957-1880

KENWOOD
COMMUNICATIONS

April 2002

WARRANTY ON LAND MOBILE RADIOS AND ACCESSORIES

Kenwood Communications Corporation ("KENWOOD") warrants its Land Mobile Radios and accessories purchased from an authorized KENWOOD dealer in the United States (the "Products") as follows:

WHAT IS COVERED AND WHAT IS EXCLUDED

Except as specified below, Products will be free from defects in material and workmanship under normal use and service for the time specified below. The following are not covered by this Warranty:

1. Damage, defects, deterioration or failure resulting from:
   A. Accident, misuse, negligence, abuse, neglect, improper handling, product modification or failure to follow instructions contained in your Owners Manual.
   B. Improper or unauthorized testing, operation, alteration, disassembly, modification, adjustment or repairs.
   C. Environmental conditions which adversely effect product performance such as; exposure to fire, water, excessive moisture, dampness, extreme changes in climate or temperature or other environmental conditions or other acts including power surges, lightning, electro-static discharge, acts of God or other casualties which are not the fault of KENWOOD and which the Product is not specified to tolerate.
   D. Repair or attempted repair by anyone not authorized by KENWOOD.
   E. Installation of parts or accessories that do not conform to the quality or specifications of the original parts or accessories.
   F. Installation of the Product in, or removal of the Product from, the vehicle or other site of its use.
   G. Use of a Product in conjunction with hardware or software electrically or mechanically incompatible with such Product.
   H. Use of a Product in conjunction with accessories or ancillary equipment not supplied by KENWOOD.
   I. Normal and customary wear and tear.
2. Damage, defects, deterioration, failure or loss occurring during shipment (claims must be presented to the carrier).
3. Any unit that is not new when sold to the first end user or upon which the serial number has been defaced, modified or removed.
4. Damage, defects, deterioration or failure of radios caused by poorly tuned and/or installed antennas.
5. Damage, defects, deterioration or failure of rechargeable batteries if any of the seals on the battery enclosure of cells are broken or show evidence of tampering or if caused by use of the batteries in equipment or service other than in conjunction with the Product for which it is specified.

USE OF THE PRODUCT WITH ACCESSORIES OR OTHER EQUIPMENT NOT SUPPLIED BY KENWOOD OR OTHERWISE NOT EXPRESSLY AUTHORIZED BY KENWOOD MAY BE DANGEROUS AND WILL VOID THE PRODUCT WARRANTY. ALL SUCH ACCESSORIES AND ANCILLARY EQUIPMENT ARE EXPRESSLY EXCLUDED FROM THIS WARRANTY. BECAUSE EACH SYSTEM THAT MAY INCORPORATE A PRODUCT IS UNIQUE, KENWOOD DISCLAIMS ANY LIABILITY OR WARRANTY COVERAGE FOR OR WITH RESPECT TO RANGE, COVERAGE OR OPERATION OF THE SYSTEM AS A WHOLE.

HOW LONG IS THE WARRANTY

This Warranty will remain in effect for two (2) years for radios (except the TK-2140 and TK-3140 models that are three (3) years), and one (1) year for accessories (including rechargeable batteries) measured from the date of purchase by the first end user.

WHO IS PROTECTED

This Warranty is enforceable only by the first end user. Transfer or resale of a Product will automatically terminate warranty coverage with respect to that Product. This Warranty is not transferable to any third party, including but not limited to any subsequent purchaser or owner of the Product.

WHAT WE WILL DO AND HOW TO OBTAIN WARRANTY SERVICE

KENWOOD will, at its sole absolute discretion, either repair or replace a Product with a new or a rebuilt unit (which unit may include new and/or reconditioned parts) if found by KENWOOD to be defective in material and workmanship. If KENWOOD determines that it is unable to repair or replace such Product, KENWOOD shall refund the purchase price for such Product. The foregoing is subject to your returning the defective Product to a KENWOOD Land Mobile dealer or authorized service center within the Warranty period, accompanied by a sales receipt or other evidence of the date of purchase. If it is necessary to ship the Product for Warranty service, you are responsible for the initial shipping charges, but KENWOOD will pay the return shipping charges if the Product is repaired or replaced under Warranty. You are responsible for any charges incurred in removing the product from the vehicle or other site of use and for reinstallation of the repaired or replaced Product. All replaced Products or parts and Products or parts for which a refund has been given will become the property of KENWOOD.

EXCLUSION OF OTHER WARRANTIES AND DAMAGES

Unless considered unlawful or unenforceable under applicable law:

A. THIS IS THE COMPLETE WARRANTY GIVEN BY KENWOOD AND IT IS GIVEN IN LIEU OF ALL OTHER EXPRESS WARRANTIES. KENWOOD ASSUMES NO OBLIGATIONS OR LIABILITY FOR ADDITIONS OR MODIFICATIONS TO THIS WARRANTY. ALL IMPLIED WARRANTIES WITH RESPECT TO PRODUCTS, INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED.

B. KENWOOD'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT, AT KENWOOD'S OPTION, OF ANY DEFECTIVE PRODUCT, AND SHALL NOT INCLUDE DAMAGES OF ANY KIND, WHETHER DIRECT, INDIRECT, SPECIAL, GENERAL, INCIDENTAL, CONSEQUENTIAL OR OTHERWISE, INCLUDING BUT NOT LIMITED TO LOSS OF USE, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, OR LOSS OF PROFITS OR SAVINGS OR ANTICIPATED PROFITS OR SAVINGS.

This Warranty is enforceable only in the United States of America and governed by the laws of the State of California.

If a problem develops during or after the Warranty Period, or if you have any questions regarding the operation of the product, you should contact your KENWOOD Authorized Dealer or Authorized Service Center. If the problem or your question is not handled to your satisfaction, please contact our Customer Relations Department at the address listed below.

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