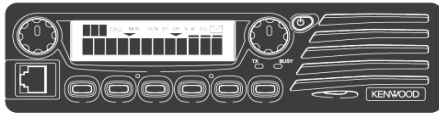


## TK-7150 / 8150

### VHF/UHF Trunking & Conventional Mobile Radios



**All 150 series mobiles include:**

- Standard Microphone (KMC-27B)
- Mounting Bracket
- DC Cable (KCT-23M)
- Key kabel inserts
- Blade Fuse
- Instruction Manual
- Standard Warranty: 2 Years\*

\* All Accessories / options: 1 Year

**GENERAL FEATURES**

- 50 W (136-174 MHz)
- 45 W (450-500 MHz)
- Conventional & LTR® Zones
- Remote Control Head Option
- 12 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- 3-Digit Sub-Display
- Function / Status LCD Icons
- Transmit & Receive LEDES
- Rotary Selector Knob
- Rotary Volume Knob
- 6 PF Keys with Labels
- Emergency / AUX Key
- Enhanced Kenwood Audio
- 3.5 W Front Panel Speaker
- 13 W External Speaker Output
- Companded Audio
- Encryption & ANI Board Control
- Emergency Call Features
- DTMF Encode / Decode
- Special Alert Tone Patterns
- Time Out Timer
- Busy Channel Lockout
- Timed Power Off
- DB-25 Accessory Connector
- 4 Programmable AUX I/Os
- 4 Programmable AUX Outputs
- Ext. Speaker, PA, Ignition Connector
- Ignition Sense
- Public Address/Horn Alert Output

- MIL-Spec / Noise-Cancel Mic Opt.
- MIL-Spec / Noise Cancel DTMF Mic Opt.
- Windows® Programming & Tuning
- Windows® Firmware Uploading
- Front Panel Test / Tune
- Cloning
- MIL-STD-810 C/D/E/F

**CONVENTIONAL ZONES**

- 128 Channels / 128 Zones
- QT / DQT
- Two-Tone Decode
- Single / Two-Tone Encode
- Operator Selectable Tone
- Dual Priority Scan
- Single & Multi-Zone Scan
- List Scan

**TRUNKED ZONES**

- 250 GID / 32 Zones
- Kenwood LTR® Features

**FleetSync®**

- FleetSync® or FleetSync® II
- PTT ID Digital ANI
- Selective Call & Group Call
- Status Messaging
- Emergency Status
- Caller ID Display
- Short & Long Text Messages
- FleetSync® GPS Ready
- Send GPS PF Key
- PC Serial Interface

<b>MODEL</b>		<b>LIST</b>
TK-7150	136-174 MHz, 50 W, 128 Conventional/ 32 LTR Zones max.	735.00
TK-8150	450-500 MHz, 45 W, 128 Conventional/ 32 LTR Zones max.	770.00

<b>MOBILE INSTALLATION ACCESSORIES</b>		<b>LIST</b>
KCT-18	Ignition sense cable (plugs into TK-7150/8150 mobile 6-pin acc.conn.)	13.70
KCT-22M	Remote Control Cable - 8 Feet; TK-7150/8150; 90-Series	73.50
KCT-22M2	Remote Control Cable - 17 Feet (typical sedan length); TK-7150/8150; 90-Series	84.00
KCT-22M3	Remote Control Cable - 25 Feet; TK-7150/8150; 90-Series	94.50
KCT-23M	DC Cable (10-50W Dash mount)	31.50
KCT-23M3	DC Cable (10-50W Remote mount)	34.75
KCT-36	Extension Cable for KCT-34/35/39/40M; 117.6 inches (9.8 ft)	43.75
KCT-40M	Radio Interface Cable for KGP-2A/2B & KDS-100	29.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	42.00
KRK-9	Remote Control Kit for TK-7150/8150	49.00
<b>Note:</b> purchase KCT-22M/M2/M3 cable separately		

**CONTROL STATION INSTALLATION ACCESSORIES**

**LIST**

**Note:** 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)	86.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	173.00

**MICROPHONES AND SPEAKERS**

**LIST**

KMC-27A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug)	104.00
KMC-27B	Standard dynamic mobile microphone (8-pin mod. plug)	42.00
KMC-28A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug) w/ DTMF	163.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	86.00
KES-5	Ext. speaker, 40W max input; blk., case, 5"x5"x2-9/16" <b>Note:</b> plugs into 7150/8150 6-pin molex acc. conn.	61.25

**FleetSync® MOBILE DATA TERMINAL**

**LIST**



**KDS-100 Data Terminal includes:**

- Mounting bracket
- Mounting hardware
- DC Cable

**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)
- Lithium 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 Firmware Memory

**Important Note:**

**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 Text 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

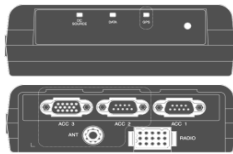
**2. The KDS-100 cannot be used simultaneously with a Kenwood KGP-2A/2B AVL unit.**

KDS-100	FleetSync® Data Terminal <b>Note:</b> 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.	625.00
KPG-71DK	Windows® Programming Software for KDS-100	103.25
KCT-40M	Radio Interface Cable for KGP-2A/2B & KDS-100	29.00
KCT-36	Extension Cable for KCT-34/35/39/40M; 117.6 inches (9.8 ft)	43.75

**FleetSync® MESSAGING** **LIST**

KAS-2FSD	FleetDispatchPRO: FleetSync® messaging dispatch software for PC <b>Note:</b> • TK-7150/8150 base mobile requires a DB-25 PC serial cable to connect to the base computer (purchase aftermarket seperately). • Supports FleetSync® PTT ID, Emergency, Status/Text Messaging for all FleetSync compatible portables & mobiles. • KDS-100 fleet units are compatible with the KAS-2FSD FleetSync calling & messaging features. • Refer to KAS-2FSD spec sheet for detailed features & requirements	384.00
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**AVL UNITS** **LIST**



**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

**Note: KGP-2A/2B Compatible AVL Mapping Software is Required**  
 A KGP-2A/2B AVL system requires a AVL 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

**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 base 180/150-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 fleet 180/150-Series mobile

KGP-2A	GPS Receiver / Modem Unit (includes one dash-mount GPS antenna, mounting bracket, screw set) 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	551.00
KGP-2B	Base Modem Unit 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	236.50
KCT-40M	Radio Interface Cable for KGP-2A/2B & KDS-100	29.00
KCT-36	Extension Cable for KCT-34/35/39/40M; 117.6 inches (9.8 ft)	43.75
KPG-73DK	Windows® Programming Software for KGP-2A/2B	103.25

<b>OPTION MODULES</b>	<b>LIST</b>
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CIM-1000	GE-Star or MDC-1200 ANI Encode Board Must order <b>L-1034</b> or <b>L-1035</b> for radio install & programming <b>Note:</b> CIM-1000 G-Star®/ MDC1200 Digital ANI Boards Pre-programmed & installed boards require a completed CIM-1000 Information and Order Sheet" (available from Kenwood LMR Order Desk) submitted with order. <b>a)</b> Order the appropriate Labor Code for MDC-1200 or G-Star. <b>b)</b> CIM-1000 boards can be ordered and shipped loose (if shipped loose, Kenwood will not program the board).	131.25
CIM-CABLE	Serial Program Cable <b>Note:</b> CIM-1000, K-20, K-26 programs via Windows Hyper terminal (Windows Ver 3.1 or later) or any ProComm version; board must be installed in a powered radio for programming. The radio programmer does NOT program the CIM-1000, K-20, K-26. CIM-CABLE is a DB-9 PC connector with 3 short lead with clips and may require a PC serial extension cable. CIM-IRP (Part No 01-30-0510) Infrared wireless standalone programmer, C-Plus line of desktop decoder displays and CIM-1000, K-20, K-26 Instruction Manuals are available directly from Cimarron Technologies 800-487-7184 at www.cimtechcorp.com	61.25

<b>SERVICE RELATED ACCESSORIES</b>	<b>LIST</b>
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KPG-46AM	Programming interface cable	191.00
KCT-53UM	USB Adapter for KPG-xxAM DB9F Programming Interface Cables (DB9M - to - USB Type A connector)	86.00
KPG-79DK	Windows® Programming Software for TK-7150/8150	103.25
***** <b>Call Kenwood Parts at 800-367-7514 to order the following:</b>		
E30-3382-05	Clone cable	11.28
J29-0697-XX	Mounting bracket for TK-7150/8150 (hardware N99-0395-x5)- same as supplied with radio	TBD

<b>INSTALLATION / TUNING CHARGES</b>	<b>LIST</b>
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L-939	TK-7150/8150 Programming (with basic TX/RX check)	50.00
L-940	Assemble TK-7150/8150 with KRK-9 Remote Kit	35.00
L-1034	TK-7150/8150 CIM-1000/MDC1200 ENCODER INSTALLATION	75.00
L-1035	TK-7150/8150 CIM-1000/GE STAR ENCODER INSTALLATION	75.00