

TK-7102H / 8102H
VHF/UHF Conventional Mobile Radios



All 7102H/8102H mobiles include:

- Standard Microphone (KMC-30)
- Mounting Bracket
- DC Cable
- Fuse
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

GENERAL FEATURES

- 50 W (146-174, 136-162 MHz) Models
- 45 W (450-490, 485-512, 400-430 MHz) Models
- 8 Channels (4 Channels per Group)
- 2 Conventional Groups
- Normal Scan (no priority)
- Backlit Keys
- Channel /Transmit /Busy LEDs
- 4 Channel Keys
- 2 Function Keys
- Up/Down Volume Keys
- Enhanced Kenwood Audio
- Front Panel Speaker
- Emergency Call Features
- QT / DQT
- DTMF Encode / Decode
- Special Alert Tone Patterns

- Busy Channel Lockout
- Time Out Timer
- Accessory Interface Cable Option
- 8 Programmable I/O Ports
- Ignition Sense
- Horn Alert Output
- 16-Key DTMF Mic Option
- Windows® Programming & Tuning
- Cloning
- MIL-STD-810 C/D/E/F

FleetSync®

- PTT ID Digital ANI
- Emergency Status

MODEL		LIST
TK-7102HK	146-174 MHz 50W, 4 CH x 2 Banks Conventional	350.00
TK-7102HK2	136-162 MHz 50W, 4 CH x 2 Banks Conventional	350.00
TK-8102HK	450-490 MHz 45W, 4 CH x 2 Banks Conventional	367.00
TK-8102HK2	485-512 MHz 45W, 4 CH x 2 Banks Conventional	367.00
TK-8102HK3	400-430 MHz 45W, 4 CH x 2 Banks Conventional	367.00

MOBILE INSTALLATION ACCESSORIES		LIST
KCT-18	Ignition sense cable (requires KCT-39 Acc. Cable Option)	13.70
KCT-39	Radio Interface Cable for KGP-2A/2B & KDS-100	22.00
KCT-36	Extension Cable for KCT-34/35/39/40M; 117.6 inches (9.8 ft)	43.75
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	42.00
KMB-10	Key lock adapter	26.30

CONTROL STATION INSTALLATION ACCESSORIES		LIST
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	86.00
KMB-24	Control Station Mounting Case for KPS-15 Power Supplies. (mobile mounting hardware included)	42.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	173.00

MICROPHONES AND SPEAKERS		LIST
KMC-30	Standard mobile microphone (8-pin mod. plug)	31.50
KMC-35	MIL-SPEC dynamic mobile microphone (8-pin mod. plug)	52.50
KMC-32	Standard mobile microphone with 16-key DTMF (8-pin mod. plug)	70.00
KMC-36	MIL-SPEC dynamic mobile microphone with 12-key DTMF keypad (8-pin mod. plug)	94.50
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	86.00
KES-3	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	44.25
KES-5	External Speaker, 40W max input, black case	61.25

Note: require a KCT-19 option

SERVICE RELATED ACCESSORIES		LIST
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-70DK	Windows® Programming Software for TK-7102H/8102H	103.25
*****	Call Kenwood Parts at 800-367-7514 to order the following:	
E30-3382-05	Clone cable	11.28
J29-0662-03	Mounting bracket for --same as supplied w/ radio (order N99-2039-05 for mounting screw set)	39.50

INSTALLATION / TUNING CHARGES		LIST
L-934	TK-7102H/8102H Programming (with basic TX/RX check)	37.50

FleetSync® MOBILE DATA TERMINAL	LIST
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KDS-100 Data Terminal includes:

- Mounting bracket
- Mounting hardware
- DC Cable

KDS-100 FEATURES

- Increases FleetSync® Message Viewing: 40 Character x 6 line Dot Matrix 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:

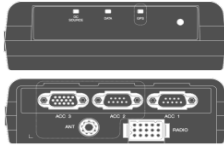
1. KDS-100 Compatible Dispatch Software May Be Required - The KDS-100 used a fleet unit will decode Status Messages and Selective Calls sent other FleetSync®-capable portables or mobiles, from a KDS-100 with a FleetSync® capable mobile (PC mode) or a KDS-100 with a non-FleetSync® capable mobile (air 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 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.	625.00
KPG-71DK	Windows® Programming Software for KDS-100	103.25
KCT-39	Radio Interface Cable for KGP-2A/2B & KDS-100	22.00
KCT-36	Extension Cable for KCT-34/35/39/40M; 117.6 inches (9.8 ft)	43.75

AVL UNITS

LIST



KGP-2A/2B FEATURES

- Compatible Radios: 60G/62/63G/80/150/180/160-Series & 7102H/8102H 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 initial 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-39 cable & L-xxx - connects the KGP-2B to the 160-Series & 7102H/8102H 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 & 7102H/8102H mobile
3. The KCT-19 & KCT-39 cannot be installed simultaneously- Therefore using a KCT-39 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-2A	GPS Receiver / Modem Unit (includes one dash-mount GPS antenna, mounting bracket, screw set) 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	551.00
KGP-2B	Base Modem Unit 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	236.50
KCT-39	Radio Interface Cable for KGP-2A/2B & KDS-100	22.00
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