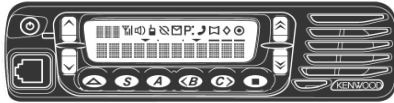


TK-7180 / 8180

VHF/UHF Trunking & Conventional Mobile Radios



All 180 series mobiles include:

- Standard Microphone (KMC-35)
- Mounting Bracket
- DC Cable (KCT-23M)
- Blade Fuse
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

* TX Power is derated at 490-512 MHz

TK-8180K:	450-489 MHz (30 W) 490-512 MHz (25 W)
TK-8180HK:	450-489 MHz (45 W) 490-512 MHz (40 W)

GENERAL FEATURES

- 30/50 W (136-174 MHz)
- 30/45 W (450-520*, 400-470 MHz)
- Conventional & LTR® Zones
- MPT1327 Trunking Option
- Remote Control Head Option
- 12 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- 3-Digit Sub-Display
- Function / Status LCD Icons
- RSSI Indicator
- Date & 12/24 Hour Time Clock
- Transmit / Busy / Call Alert / Warn LED
- 6 Backlit PF Keys
- Emergency / AUX Key
- Enhanced Kenwood Audio
- Front Panel Speaker
- Companded Audio
- Voice Inversion Scrambler Built-in
- Easy Option Port
- Encryption / ANI Board Control
- VGS-1 Voice Guide / Storage Option
- Emergency Call Features
- DTMF Encode / Decode
- Special Alert Tone Patterns
- Call Key
- Time Out Timer
- Busy Channel Lockout
- Timed Power Off
- DB-25 Accessory Connector
- 9 Programmable AUX I/Os
- 2 Programmable AUX Outputs
- Ignition Sense
- Public Address / Horn Alert Option
- MIL-Spec Standard Mic
- MIL-Spec 12-Key DTMF Mic Option
- Windows® Programming & Tuning
- Windows® Firmware Uploading
- Front Panel Test / Tune
- Cloning

- MIL-STD-810 C/D/E/F
- MIL-STD "Driven-Rain"
- IP-54/55 Water & Dust Intrusion

CONVENTIONAL ZONES

- 512 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

- 512 GID / 128 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
- Power On/Off Status Messages
- Input / Output Status Messages
- FleetSync® GPS Ready
- Send GPS PF Key
- PTT ID & Emergency GPS Reporting
- Status Message Block GPS Reporting
- Ignition On/Off GPS Reporting
- VGS-1 GPS Data Storage
- PC Serial Interface

MDC-1200

- PTT ID Digital ANI
- Caller ID Display
- Emergency Status
- Radio Check
- Radio Inhibit

MODEL		LIST
TK-7180K	136-174 MHz 30W, 512 CH / 128 Zone CONV-& LTR	586.00
TK-7180HK	136-174 MHz 50W, 512 CH / 128 Zone CONV-& LTR	718.00
TK-8180K	450-520 MHz 30W, 512 CH / 128 Zone CONV-& LTR	604.00
TK-8180HK	450-520 MHz 45W, 512 CH / 128 Zone CONV-& LTR	735.00
TK-8180K2	400-470 MHz 30W, 512 CH / 128 Zone CONV-& LTR	604.00
TK-8180HK2	400-470 MHz 45W, 512 CH / 128 Zone CONV-& LTR	735.00

MOBILE INSTALLATION ACCESSORIES		LIST
KAP-2	Horn Alert/P.A. Relay Option	63.00
KCT-46	Ignition sense cable (plugs directly into mobile chassis ignition sense line)	13.70
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
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	42.00
KMB-10	Key lock adapter	26.30
KRK-10	Remote Control Kit (a remote control cable (23 ft) is included)	105.00

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-35	Standard dynamic mobile microphone (8-pin mod. plug)	52.50
KMC-36	Standard dynamic mobile microphone with 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 Note: requires KAP-2 (PA/HA unit) installed	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 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-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 Note: • TK-7180/8180 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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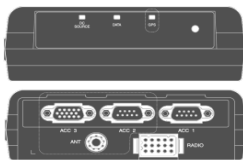
FleetSync® AVL & MESSAGING

LIST

KGS-3	FleetSync® & NEXEDGE™ AVL & Messaging Software (Windows® 2000/XP compatible), Note: AVL operation /use is not required. Compatible with Microsoft®MapPoint®2004/2006 Software or certain type imported maps (purchase aftermarket seperately) Refer to KGS-3 spec sheet for detailed features & requirements.	347.00
KAS-10	FleetSync® & NEXEDGE™ AVL & Messaging Software (Windows® XP/VISTA compatible), Note: AVL operation /use is not required. Compatible with Microsoft®MapPoint®2006/2009 Software or certain type imported maps (purchase aftermarket seperately) Refer to KAS-10 spec sheet for detailed features & requirements.	434.00
GPS15L-W	Garmin Internal GPS Receiver Board for FleetSync® AVL Note: • Conventional & LTR operation only • Requires GA25 MCX GPS antenna • Refer to 180/NX-Series & KGS-3 In-Depth Technical Manuals for installation, programming & KGS-3 software setup. Refer to www.garmin.com for GPS-15L-W technical specifications. • Option: Order L-1033 for Kenwood Long Beach installation	130.25
GA25MCX	Garmin On-dash Style Magnetic base GPS Antenna for GPS15L-W Note: shipped loose only; Install GA25MCX antenna to GPS15L-W before vehicle install; Refer to 180/NX-Series In-depth Technical Manuals for mobile installation.	62.00

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

AVL UNITS - CONT'D

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 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

OPTION MODULES

LIST

VGS-1	Voice Guide and Storage Unit	87.50
CIM-1000K-26	GE-Star or MDC-1200 ANI Encode 26-Pin Plug-in Board Must order L-1020 or L-1021 for radio install & programming Note: CIM-1000K-26 G-Star®/ MDC1200 Digital ANI (26-Pin Plug-in) Boards Pre-programmed & installed boards require a completed CIM-1000K-26 Information and Order Sheet" (available from Kenwood LMR Order Desk) submitted with order. a) Order the appropriate Labor Code for MDC-1200 or G-Star. b) CIM-1000K-26 boards can be ordered and shipped loose (if shipped loose, Kenwood will not program the board).	131.25
CIM-CABLE	Serial Program Cable Note: 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

FRIMWARE OPTIONS

LIST

KWD-180MPT	MPT Trunking Field Upgrade Kit for 180-Series Must order L-1620 Note: Refer to 180-Series MPT Price Pages and 180-Series MPT In-Depth Technical Manuals for feature details (available from technical support). Not compatible with any other firmware options Radio does not retain all normal 180-Series conventional or LTR trunking features once the MPT option is installed.	43.75
KWD-180TFS	TFS-- Tactical Feature Set-- Field Upgrade Kit for 180-Series Must order L-1625 Note: Refer to 180-Series "Tactical Feature Set" In-Depth Technical Manual for feature details (available from technical support). Not compatible with any other firmware options.	105.00

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-89DK	Windows® Programming Software for TK-2180/3180/7180/8180	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 TK-7180/8180/7160/8160--same as supplied w/ radio (order N99-2039-05 for mounting screw set)	39.50

INSTALLATION / TUNING CHARGES		LIST
L-962	Install VGS-1 Voice Guide & Storage Unit Note: VGS-1 installation precludes any ANI or encryption board installation	25.00
L-965	TK-7180/8180 Programming (with basic TX/RX check)	37.50
L-966	Install KAP-2 (Default) HR1/Internal Sp./PA	25.00
L-968	Assemble TK-7180/8180 with KRK-10 Remote Kit	42.00
L-1010	Install KAP-2 (External Sp.) HR1/External Sp./PA	25.00
L-1020	Install & Program CIM-1000K-26 for MDC-1200 in TK-7180/8180	75.00
L-1021	Install & Program CIM-1000K-26 for GE-Star in TK-7180/8180	75.00
L-1033	Install Garmin GPS15L-W in 180-Series mobile for FleetSync® AVL Note: The KGS-3 & GPS15L-W are not compatible with KGP-2A/2B AVL systems	100.00
L-1620	180 Portable KWD-180MPT FIELD-UPGRADE (Must purchase KWD-180MPT separately)	NC
L-1625	180 Portable KWD-180TFS FIELD-UPGRADE (Must purchase KWD-180TFS separately)	NC