

TK-863G

UHF Trunking Mobile Radio



63G series mobile includes:

- Standard Microphone (KMC-27B)
- Mounting Bracket
- DC Cable (KCT-23M)
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

GENERAL FEATURES

- 25W, 450-490 MHz
- 32 Systems / 250 GID
- 8 Character Alphanumeric Aliases
- Backlit LCD & Keys
- Function / Status LCD Icons
- Transmit / Busy / Call Alert / Warn LED
- 10 Programmable Function Keys
- Inverting Front Panel
- Internal Speaker
- Companded Audio
- Encryption / ANI Board Control
- Emergency Call Features
- DTMF Encode
- Time Out Timer
- Busy Channel Lockout
- Accessory Interface Cable Option

- Ignition Sense
- Public Address / Horn Alert Option
- MIL-Spec Standard Mic Included
- MIL-Spec Noise-canceling Mic Option
- MIL-Spec 12-Key Noise-canceling Mic Option
- Windows Programming & Tuning
- Windows Firmware Uploading
- Front Panel Test / Tune
- Cloning
- MIL-STD-810 C/D/E/F

CONVENTIONAL SYSTEMS

- QT / DQT
- Single Priority Scan

TRUNKED SYSTEMS

- Kenwood LTR® Features

MODEL		LIST
TK-863GK	450-490 MHz 25W, 32 Systems	465.00

CABLES		LIST
KCT-18	Ignition sense cable (Requires KCT-19)	13.70
KCT-19	Accessory connector cable (for ignition sense, horn alert, KSP- spkrs, & Data Port)	22.00

MOBILE INSTALLATION ACCESSORIES		LIST
KAP-1	Horn Alert/P.A. Relay Option (requires KCT-19)	42.00
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-20	Control Station Mounting Case for KPS-15 Power Supplies (mobile mounting hardware included)	26.30
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-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 (TK-863G requires a KCT-19 option)	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 Msg.s)
 - 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

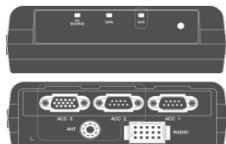
Important Note:

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-35	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 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

AVL UNITS - CONT'D

LIST

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-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-2A	GPS Receiver / Modem Unit (includes one dash-mount GPS antenna, mounting bracket, screw set) 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	551.00
KGP-2B	Base Modem Unit 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	236.50
KCT-35	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

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-76DK	Windows [®] Programming Software for TK-863G	103.25

INSTALLATION / TUNING CHARGES

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	TK-863G Programming (with basic TX/RX check)	25.00