

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 Segme
- 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
- Seven 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-4).
- FleetSync™ is not available for the TK-6110.
- KES-3 is not compatible, use KES-4.
- **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

<i>Model</i>	<i>Description</i>	<i>List</i>
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-4	External speaker, 20W 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
MISCELLANEOUS ITEMS		
KPS-10A	DC power supply (gray case)	209.00
KPS-10AM	220 volt DC power supply (gray case)	209.00
SERVICE RELATED ACCESSORIES		
KPG-46	Radio Programming Interface Cable	N/A
KPG-59D	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

G-Star® or MDC1200 Digital ANI Modules by Cimarron Technologies

Compatible Radios:

Portable: TK-190, TK-280/380, TK-290/390, TK480/481

Mobile: TK-6110, TK-780/880/980/981, TK-790/890, TK-730G/830G

Note: The 80-Series portables and mobiles and the 90-Series mobiles require a special firmware installed for proper ANI module-radio operation. This is done at the time the ANI modules are installed.

How to Order: (Please see Cimarron Appendix and/or QE-2 Appendix for more info. and a copy of the Order Sheet)

1. Select the proper model/ quantity of radios, the desired ANI format G-Star or MDC-1200, the desired ANI module and appropriate labor codes.
 - > See the "CDEU-1, & QE-1 Information/Order Sheet or the QE-2 MDC-1200 Information/Order Sheet (QE-2)"; Please note that QE-1 is soon to be discontinued).
 - > Select the ID format, ID codes and other feature options.
 2. Fill out the module Order Sheet and fax it with your radio order to your authorized Kenwood Rep or LMR Order Desk.
- On the Order Sheet, All items must be filled out even if the feature option is "disabled" (incomplete Order Sheets will not be processed).
- > Emergency "Man-down" features require an installed CAE-3 internal man-down tilt switch option.
 - > Orders are only accepted on new radio purchases. No retrofits, module-only or "tune & ship loose" orders are accepted.
 - > Allow min. 1 week delivery ARO for 1- 25 units (allow min. 3 weeks for 25 units and up).

QE-2	Micro-Miniature Dual Protocol Encoder - G-Star® or MDC1200 - features include: PTT ANI, emergency & man-down messages [Factory Install Only – Must order L-901 or L-902] Replaces QE-1	128.00
QPF-2	QE-2 Programmer <ul style="list-style-type: none"> · Programs a QE-2 module for G-Star® or MDC-1200 · Programs a CDEU-1 module for G-Star® · Includes Cimarron ANIPROG Windows TM software, PC serial cable (DB-9 male-to-DB-9 female), module programming jig 	95.00

Installation / Tuning Charges for the TK-6110 Series Radios

<i>Model</i>	<i>Description</i>	<i>List</i>
L-843	Install QE-1 (mobile or portable)	59.00
L-844	Install CDEU-1 (mobile only)	59.00
L-901	Program and install QE-2 MDC1200 Encoder	75.00
L-902	Program and install QE-2 G-Star® Encoder	75.00
L-911	Tune TK-190/TK-6110	25.00