

KENWOOD

Listen to the Future



TK-7302(H)V/8302(H)U

Compact VHF/UHF FM Mobile Radios

FleetSync®
by KENWOOD

GENERAL FEATURES

- 25 / 50 W (136-174 MHz) Models
- 25 / 45 W (450-520 MHz) Models
- Conventional Zones
- 16 Channels / 2 Zones
- Single Priority Scan
- Single / Multi-Zone Scan
- 2-Digit LED Channel Display
- Function/Status LED Dots
- Blue Function/Status LED
- Transmit /Busy / Call Alert LED
- Backlit Keys
- 9 Programmable Function Keys
- Emergency / AUX Key
- Front Panel Speaker
- Companded Audio
- Voice CH# Announcement (8 Languages)
- Voice Inversion Scrambler Built-in
- 16 Scrambler Codes (per CH)
- Encryption / Board Control
- Emergency Call Features
- Lone Worker Alert

- QT / DQT
- Operator Selectable Tone
- Two-Tone Decode
- Single & Two-Tone Encode
- DTMF Encode / Decode
- Special Alert Tone Patterns
- Busy Channel Lockout
- Time Out Timer
- Timed Power Off
- DB15 Accessory Interface
- 8 Programmable I/O Ports
- Ignition Sense
- Public Address / Horn Alert Output
- MIL-Spec Standard Mic
- MIL-Spec 12-Key DTMF Mic Option
- Windows® Programming & Tuning
- Cloning
- MIL-STD-810 C/D/E/F
- IP-54 Water & Dust Intrusion

FleetSync® /II (FM)

- PTT ID Digital ANI
- Selective Call & Group Call
- Paging Call
- Status Messaging
- Emergency Status
- Input / Output Status Messages
- FleetSync® GPS Ready
- Send GPS PF Key
- PTT ID & Emergency GPS Reporting
- Ignition On/Off GPS Reporting

MDC-1200

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



Options

■ **KMC-35**
Microphone
(Supplied)



■ **KES-3**
External Speaker



■ **KLF-2**
Line Filter



■ **KCT-60**
DB 15-to-15 Pin
Molex Adaptor Cable



■ **KMC-36**
Microphone
with Keypad



■ **KES-5**
External Speaker
(requires KCT-60 option)



■ **KCT-18**
Ignition Sense Cable
(requires KCT-60 option)



■ **KMC-9C**
Desktop Microphone



■ **KMB-10**
Key Lock Adapter



■ **KCT-36**
3m Extension Cable
(for KCT-60)



All accessories and options may not be available in all markets.
Contact an authorized Kenwood dealer for details and complete list of all accessories and options.

Specifications

Model	TK-7302V	TK-7302HV	TK-8302U	TK-8302HU
GENERAL				
Frequency Range	133-174 MHz		450-520 MHz	
Number of Channels	Zone			
	Channel			
Channel Spacing	25 kHz/12.5 kHz			
Operating Voltage	13.6V DC±15%			
Current Drain	Standby			
	Receive			
	Transmit			
Operating Temperature Range	-22°F ~ +140°F (-30°C ~ +60°C)			
Frequency Stability	±2.5 ppm (-30°C ~ +60°C)			
Antenna Impedance	50 Ω			
Dimensions (W x H x D)	6.3" x 1.7" x 5.4" (160 x 43 x 137 mm)			
Projections not included	Weight (Net)			
	41.6oz (1,180g)			
FCC ID	K44407600	K44407601	Pending*	

Kenwood follows a policy of continuous advancement in development.
For this reason specifications may be changed without notice.

FleetSync® is a trademark of Kenwood Corporation.
Windows® is a registered trademark of Microsoft Corporation in the United States and other countries.

* These devices have not been authorized as required by the rules of the Federal Communications Commission. These devices are not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained.

Model	TK-7302V	TK-7302HV	TK-8302U	TK-8302HU
RECEIVER (Measurements made per TIA/EIA-603)				
Sensitivity (12dB SINAD)	Wide			
	Narrow			
Selectivity	Wide			
	Narrow			
Intermodulation Distortion	Wide			
	Narrow			
Spurious Response	Audio Output (4 Ω Impedance)			
	4 W with less than 5% distortion			
TRANSMITTER (Measurements made per TIA/EIA-603)				
RF Power Output	5 W ~ 25 W	5 W ~ 50 W	5 W ~ 25 W	5 W ~ 45 W*1
Spurious Response	Type of Emission			
	Wide			
	Narrow			
FM Hum & Noise	Wide			
	Narrow			
Microphone Impedance	Audio Distortion			
	Less than 5%			

*1: 490 ~ 512 MHz: 5 ~ 40 W, 512 ~ 520 MHz: 5 ~ 35 W

Applicable MIL-STD & IP

Standard	MIL 810C Methods/Procedures	MIL 810D Methods/Procedures	MIL 810E Methods/Procedures	MIL 810F Methods/Procedures
Low Pressure	500.1/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	500.4/Procedure I, II
High Temperature	501.1/Procedure I, II	501.2/Procedure I, II	501.3/Procedure I, II	501.4/Procedure I, II
Low Temperature	502.1/Procedure I	502.2/Procedure I, II	502.3/Procedure I, II	502.4/Procedure I, II
Temperature Shock	503.1/Procedure I	503.2/Procedure I	503.3/Procedure I	503.4/Procedure I, II
Solar Radiation	505.1/Procedure I	505.2/Procedure I	505.3/Procedure I	505.4/Procedure I
Rain*2	506.1/Procedure I, II	506.2/Procedure I, II	506.3/Procedure I, II	506.4/Procedure I, III
Humidity	507.1/Procedure I, II	507.2/Procedure II, III	507.3/Procedure II, III	507.4
Salt Fog*2	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4
Dust*2	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I	510.4/Procedure I, III
Vibration	514.2/Procedure VIII, X	514.3/Procedure I	514.4/Procedure I	514.5/Procedure I
Shock	516.2/Procedure I, II, III, V	516.3/Procedure I, IV, V	516.4/Procedure I, IV, V	516.5/Procedure I, IV, V
International Protection Standard				
Dust & Water Protection*2	IP54			

*2: These MIL-STD and IP54 compliance categories require a KMC-35/36 microphone to be connected; the DB-15 connector to have supplied cover installed and KCT-xx cables or external speakers installed.

KENWOOD

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