

# KENWOOD



## TK-7302HV/8302HU

Compact VHF/UHF FM Mobile Radios

**FleetSync®**

### GENERAL FEATURES

- 50 W (136-174 MHz) Models
- 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-7302HV	TK-8302HU
<b>GENERAL</b>		
Frequency Range	136-174 MHz	450-520 MHz
Number of Channels		
Zone		2
Channel		Max. 16
Channel Spacing	25 kHz/12.5 kHz	
Operating Voltage	13.6V DC ±15%	
Current Drain		
Standby		0.4 A
Receive		1.0 A
Transmit	14.0 A	14.0 A
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)		
Projections not included	6.3" x 1.7" x 5.4" (160 x 43 x 137 mm)	
Weight (Net)	41.6oz (1,180g)	
FCC ID	K44407601	K44407702

Specifications are subject to change without notice, due to advancements in technology.  
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Windows® is a registered trademark of Microsoft Corporation in the United States and other countries.  
All other trademarks are property of their respective owners.

Model	TK-7302HV	TK-8302HU
<b>RECEIVER (Measurements made per TIA/EIA-603)</b>		
Sensitivity (12dB SINAD)		
Wide		0.28 μV
Narrow		0.35 μV
Selectivity		
Wide		75 dB
Narrow		65 dB
Intermodulation Distortion		
Wide		70 dB
Narrow		60 dB
Spurious Response		75 dB
Audio Output (4 Ω Impedance)	4 W with less than 5% distortion	
<b>TRANSMITTER (Measurements made per TIA/EIA-603)</b>		
RF Power Output	5 W ~ 50 W	5 W ~ 45 W*1
Spurious Response		70 dB
Type of Emission		
Wide		16KØF3E
Narrow		11KØF3E
FM Hum & Noise		
Wide		45 dB
Narrow		40 dB
Microphone Impedance	600 Ω	
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
<b>International Protection Standard</b>				
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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