

# KENWOOD

Listen to the Future



## TK-7360HV/8360HU

Compact VHF/UHF FM Mobile Radios

FleetSync<sup>®</sup>  
by KENWOOD

### GENERAL FEATURES

- 50 W (136-174 MHz) Model
- 45 W (450-520 MHz) Model
- Conventional Zones
- 128 Channels / 128 Zones
- Single Priority Scan
- Single / Multi-Zone Scan
- 10-Character Alphanumeric Aliases
- Backlit LCD & Keys
- Function/Status LCD Icons
- Blue Function / Status LED
- Transmit /Busy / Call Alert LED
- 10 Programmable Function Keys
- Emergency / AUX Key
- Front Panel Speaker
- Companded Audio
- 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<sup>®</sup> Programming & Tuning
- Easy Option Ports (26-pin)
- Cloning
- Voice Guide & Storage (Option)
- MIL-STD-810 C/D/E/F/G
- IP54 Water & Dust Intrusion

### FleetSync<sup>®</sup>/II (FM)

- PTT ID Digital ANI
- Selective Call & Group Call
- Paging Call
- Status Messaging
- Emergency Status
- Caller ID Display
- Input / Output Status Messages
- FleetSync<sup>®</sup> GPS Ready
- Send GPS PF Key
- PTT ID & Emergency GPS Reporting
- GPS Auto Reporting

### MDC-1200

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



# Options

<p><b>KMC-35</b> Microphone (Supplied)</p> 	<p><b>KES-3</b> External Speaker</p> 	<p><b>KLF-2</b> Line Filter</p> 	<p><b>KCT-60</b> DB 15-to-15 Pin Molex Adaptor Cable</p> 
<p><b>KMC-36</b> Microphone with Keypad</p> 	<p><b>KES-5</b> External Speaker (requires KCT-60 option)</p> 	<p><b>KCT-18</b> Ignition Sense Cable (requires KCT-60 option)</p> 	<p><b>VGS-1</b> Voice Storage Unit (uses 26p connector)</p> 
<p><b>KMC-9C</b> Desktop Microphone</p> 	<p><b>KMB-10</b> Key Lock Adapter</p> 	<p><b>KCT-36</b> 3m Extension Cable (for KCT-60)</p> 	

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-7360HV	TK-8360HU
<b>GENERAL</b>		
Frequency Range	136~174 MHz	450~520 MHz
Number of Channels		
Zone		Max.128 per Radio
Channel		Max.128 per Zone
Channel Spacing		
Wide	25 kHz	25 kHz
Narrow	12.5 kHz	12.5 kHz
Operating Voltage	13.6 V DC±15 %	
Current Drain		
Standby	0.4 A	0.4 A
Receive	1.0 A	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 (-22 °F ~ +140 °F)	
Antenna Impedance	50 Ω	
Channel Frequency Spread	38 MHz	70 MHz
Dimensions (W x H x D),	6.3" x 1.7" x 5.4"	
Projections not included	(160 mm x 43 mm x 137 mm)	
Weight (net)	2.6 lbs. (1.18 kg)	
FCC ID	K44415401	K44415502

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Windows® is a registered trademark of Microsoft Corporation in the United States and other countries.  
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Kenwood follows a policy of continuous advancement in development.  
For this reason specifications may be changed without notice.

Model	TK-7360HV	TK-8360HU
<b>RECEIVER (Measurements made per EIA/TIA-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		65 dB
Spurious Response		75 dB
Audio Output (4 Ω Impedance)	4 W with less than 5 % distortion	
<b>TRANSMITTER (Measurements made per EIA/TIA-603)</b>		
RF Output Power	5 W / 25 W / 50 W	5 W / 25 W / 45 W <sup>1</sup>
Spurious Response		70 dB
Type of Emission		
Wide		16K0F3E
Narrow		11K0F3E
FM Hum & Noise		
Wide		45 dB
Narrow		40 dB
Microphone Impedance		600 Ω
Audio Distortion		
Wide		3 %
Narrow		5 %

\*1: 490 ~ 512 MHz: 5/25/40 W, 512 ~ 520 MHz: 5/25/35 W

# Applicable MIL-STD & IP

Standard	MIL 810C Methods/Procedures	MIL 810D Methods/Procedures	MIL 810E Methods/Procedures	MIL 810F Methods/Procedures	MIL 810G Methods/Procedures
Low Pressure	500.1/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	500.4/Procedure I, II	500.5/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	501.5/Procedure I, II
Low Temperature	502.1/Procedure I	502.2/Procedure I, II	502.3/Procedure I, II	502.4/Procedure I, II	502.5/Procedure I, II
Temperature Shock	503.1/Procedure I	503.2/Procedure I	503.3/Procedure I	503.4/Procedure I, II	503.5/Procedure I
Solar Radiation	505.1/Procedure I	505.2/Procedure I	505.3/Procedure I	505.4/Procedure I	505.5/Procedure I
Rain <sup>*2</sup>	506.1/Procedure I, II	506.2/Procedure I, II	506.3/Procedure I, II	506.4/Procedure I, III	506.5/Procedure I, III
Humidity	507.1/Procedure I, II	507.2/Procedure II, III	507.3/Procedure II, III	507.4	507.5/Procedure II
Salt Fog <sup>*2</sup>	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4	509.5
Dust <sup>*2</sup>	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I	510.4/Procedure I, III	510.5/Procedure I
Vibration	514.2/Procedure VIII, X	514.3/Procedure I	514.4/Procedure I	514.5/Procedure I	514.6/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	516.6/Procedure I, IV, V
<b>International Protection Standard</b>					
Dust & Water Protection	IP54: Radio itself				

\*1: Necessary conditions are: (1) KMC-35/36 microphone is connected; (2) cap is installed on speaker connector; (3) cover is installed on D-sub 15-pin connector; and (4) neither KCT cable nor SP cable is connected.

# KENWOOD

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