KENWOOD

Listen to the Future

TK-7360(H)/8360(H)

VHF/UHF Compact FM Mobile Radios

FleetSync® by KENWOOD | IP54 | US MIL-STD 810C/D/E/F/G | GPS

Kenwood's new TK-7360/8360 offers extra wideband coverage (UHF: 70MHz) and a wealth of user-friendly features. The bright 10-character, 13-segment LCD clearly displays all essential information, including status messages, ID and GPS info. Also available are 10 programmable function keys, QT/DQT signalling and multiple scan functions to ensure superb performance 24/7.

128 CHANNELS, 128 ZONES

The TK-7360/8360 offers ample channel/zone capacity to enable a large organization to manage a wide range of different operations efficiently.

ENHANCED KENWOOD AUDIO

Clear audio means confident communications, but power output is not the only factor that determines how easy it is to use a radio in varying noisy environments. As an audio specialist experienced in psychoacoustics, Kenwood can draw on decades of expertise at every step: component selection, construction, optimisation, evaluation and analysis. The resulting audio performance – specially engineered for transceivers and with frequency response optimised for the human voice – is undeniably clearer and crisper.

EXTERNAL D-SUB 15-PIN INTERFACE

A D-sub 15-pin terminal enables the simple connection of various types of external equipment. It can be used for Ignition sense, External Switch, Horn Alert, and External Mic, among others. A Molex interface is also available with the optional KCT-60M cable.

HIGH OUTPUT

TX output can be set (by FPU) to 5, 25, or 50 watts (45 watts for UHF).

10 PROGRAMMABLE FUNCTION KEYS

The programmable function keys can be assigned a variety of functions to suit different applications and thus maximise convenience.

STATUS MESSAGES

Status messages are displayed clearly thanks to the large LCD with adjustable brightness. It is also possible to operate an external device (via AUX output) – such as a gate or an alarm – on receipt of a status ID.

MULTIPLE SIGNALING

QT/DQT/DTMF

Encoder/decoder function uses QT/DQT to segregate talk groups, so users only hear calls from their own group. DTMF PTT ID is included for dispatch operations or for a simple remote control application.

FleetSync® PTT ID, SelCall & Status

Utilising Kenwood's FleetSync® signalling protocol, the TK-7360/8360 has PTT ID (ANI: automatic number identification) and Selective Calling capabilities for managed dispatch operations. Programmed Status (by FPU) can also be sent.

2-tone (encode/decode)

The 2-tone signalling format is provided for use with the most common radio systems.

MDC-1200 signalling

Built-in MDC signalling added with an LCD display mean that the following features are available:
• PTT ID Encode/Decode • Emergency Encode/Decode
• Stun/Revive Decode • Radio Check Decode

Emergency alert

For hazardous/hostile duty environments, a PF key can be programmed for emergency use to alert the dispatcher or other group members via DTMF, FleetSync® or MDC-1200 signalling.

PROGRAMMABLE BLUE LED

The blue LED indicator can be customised to provide useful status information. For example, it can be used in combination with the orange LED for Selective Call differentiation.

GPS FEATURE

Connected to an external GPS receiver, the TK-7360/8360 can transmit accurate vehicle location data to the central base station for fleet management purposes. Designated scrambler and GPS modules can be installed internally.

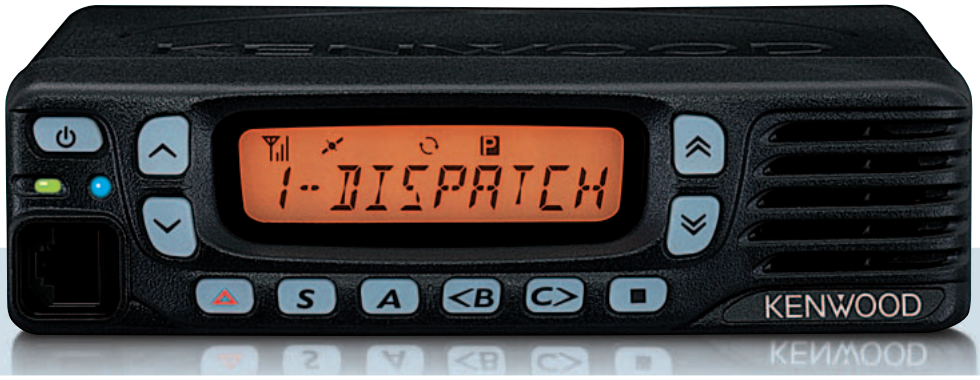
VOICE GUIDE & STORAGE OPTION (VGS-1)

Audible announcement is provided by the optional VGS-1 unit, which also provides storage for GPS data as well as voice recording/playback.

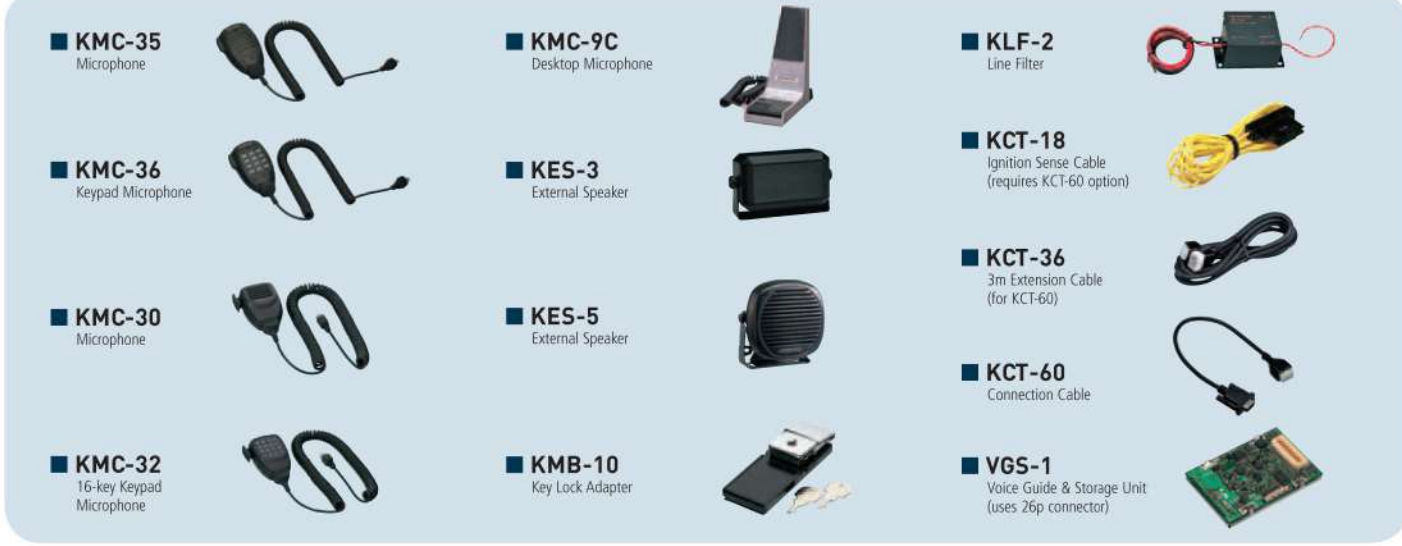
OTHER FEATURES

• Multiple Scan Functions, including Priority Scan • Voting (automatic repeater search & selection) • Independent Setting Per Channel (compander, scrambler) • BCL (Busy Channel Lockout) • Talk Around • Horn Alert Function • Companded Audio (narrow/wide) • 3-colour LED (red, orange, green) • Password Protection • Time-out Timer • Programmable Voice Inversion Scrambler*1 • Minimum Volume Setting (by FPU) • Operator Selectable Tone Settings • Embedded Message • 8 Programmable Accessory Ports (for external control) • Scan Del/Add Function • Kenwood ESN (Electronic Serial Number) • Radio Stun • Adjustable Microphone Gain (FPU only): High/Normal/Low • Microsoft Windows® PC Programming & Tuning

*1 This function cannot be used in certain countries.
Please contact your Kenwood dealer for further information.



Options



- **KMC-35** Microphone
- **KMC-36** Keypad Microphone
- **KMC-30** Microphone
- **KMC-32** 16-key Keypad Microphone
- **KMC-9C** Desktop Microphone
- **KES-3** External Speaker
- **KES-5** External Speaker
- **KMB-10** Key Lock Adapter
- **KLF-2** Line Filter
- **KCT-18** Ignition Sense Cable (requires KCT-60 option)
- **KCT-36** 3m Extension Cable (for KCT-60)
- **KCT-60** Connection Cable
- **VGS-1** Voice Guide & Storage Unit (uses 26p connector)

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

	TK-7360	TK-7360H	TK-8360	TK-8360H
GENERAL				
Frequency Range				
Type 1	136~174 MHz		450~520 MHz	
Type 2	–		400~470 MHz	
Number of Channels/Zones	128 / 128		128 / 128	
Channel Spacing				
Wide / Narrow	25 kHz / 12.5 kHz		25 kHz / 12.5 kHz	
Operating Voltage	13.6 V DC±15 %		13.6 V DC±15 %	
Current Drain				
Standby	0.4 A	0.4 A	0.4 A	0.4 A
Receive	1.0 A	1.0 A	1.0 A	1.0 A
Transmit (M/H)	8.0 A	14.0 A	8.0 A	14.0 A
Operating Temperature Range	-30 °C ~ +60 °C		-30 °C ~ +60 °C	
Frequency Stability	±2.5 ppm (-30 °C ~ +60 °C)		±2.5 ppm (-30 °C ~ +60 °C)	
Antenna Impedance	50 Ω		50 Ω	
Dimensions (W x H x D), Projections not included	160 mm x 43 mm x 136 mm		160 mm x 43 mm x 136 mm	
Weight (net)	2.0 kg		2.0 kg	

Kenwood reserves the right to change specifications and features without prior notice.
FleetSync® is a registered trademark of Kenwood Corporation.
Windows® is a registered trademark of Microsoft Corporation in the United States and other countries.

	TK-7360	TK-7360H	TK-8360	TK-8360H
RECEIVER (Measurements made per EIA/TIA-603)				
Sensitivity (12dB SINAD)				
Wide	0.28 µV		0.28 µV	
Narrow	0.35 µV		0.35 µV	
Selectivity				
Wide	75 dB		75 dB	
Narrow	65 dB		65 dB	
Intermodulation Distortion				
Wide	70 dB		70 dB	
Narrow	65 dB		65 dB	
Spurious Response	75 dB		75 dB	
Audio Output (4 Ω impedance)	4 W with less than 5 % distortion		4 W with less than 5 % distortion	
TRANSMITTER (Measurements made per EIA/TIA-603)				
RF Power Output	5 W ~ 25 W	5 W ~ 50 W	5 W ~ 25 W	5 W ~ 45 W
Spurious Response	70 dB		70 dB	
Type of Emission				
Wide	16K0F3E		16K0F3E	
Narrow	11K0F3E		11K0F3E	
FM Hum & Noise				
Wide	45 dB		45 dB	
Narrow	40 dB		40 dB	
Microphone Impedance	600 Ω		600 Ω	
Audio Distortion				
Wide	3 %		3 %	
Narrow	5 %		5 %	

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[*1]	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[*1]	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4	509.5
Dust[*1]	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
International Protection Standard					
Dust & Water Protection	IP54[*1]				

*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.

Listen to the Future

Kenwood has always connected with people through sound. Now we want to expand the world of sound in ways that only Kenwood can, listening to our customers and to the pulse of the coming age as we head toward a future of shared discovery, inspiration and enjoyment.

JQA-QMA1205 091-A
ISO9001 Registered
Communications Equipment Division
Kenwood Corporation
ISO9001 certification

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