KENWOOD

TK-2360/3360

Compact VHF/UHF FM Portable Radios

THE INTERNATIONAL STANDARD COMPLIANT IP54/55

US MILITARY COMPLIANT MIL-810C/D/E/F

FleetSync® by KENWOOD StaffSafe 5-tone

Actual Size

Compact Confidence – Technology to Trust

Smart things come in slim packages – as ably demonstrated by Kenwood's new TK-2360/3360 radios, which offer top-notch performance and a rich feature set – all in a conveniently c.mpact design. Easy to use, yet tough where it counts: IP54/55, MIL-STD weatherproofing means they never complain about the weather.

SLIM, COMPACT & LIGHTWEIGHT

Smaller, thinner and lighter – these radios are ideal for hooking on a belt or even slipping into a coat pocket. Kenwood engineering advances have resulted in a compact, ergonomic design that is easy to grip and operate, even with gloved hands.

ROBUST & WATER-RESISTANT

The tough TK-2360/3360 has passed the demanding IP54/55 dust and water intrusion tests. It also meets or exceeds 11 stringent MIL-STD 810 C/D/E/F environmental standards, including "blowing rain".

CLEAR AND CRISP, ENHANCED AUDIO

As an experienced audio specialist, Kenwood can draw on decades of expertise at every step: component selection, construction, optimization, evaluation and analysis. The resulting audio performance, specially engineered for transceivers, is undeniably clearer and crisper. Just listen to the difference.

UHF WIDE BAND COVERAGE

Offering extensive frequency coverage – 70MHz for UHF – the TK-2360/3360 can accommodate a wide range of applications.

16 CHANNELS WITH 4/8/12-CHANNEL STOPPER

The TK-2360/3360 offers ample capacity for multiple channels or radio systems. And there is now a colour-coded channel stopper to enhance operability when using only a few channels; easy to set up, this feature limits the maximum number of channels to 4, 8 or 12.

5W OUTPUT POWER

Output is 5W for both VHF and UHF.

PROGRAMMABLE VOICE INVERSION SCRAMBLER*

The built-in programmable voice inversion scrambler provides basic protection against casual eavesdropping.

SIGNALLING

- QT / DQT / DTMF
- FleetSync® PTT ID, SelCall
- 5-tone
- MDC-1200 Option*

EMERGENCY FUNCTION

For hazardous / hostile duty environments, the AUX key can be programmed for Emergency use to transmit an alert to a predetermined person or group using DTMF, FleetSync® and 5-tone.

STAFF SAFE FUNCTIONS (MAN-DOWN / STATIONARY / MOTION DETECTION)

Three different staff safe functions are available that make use of the built-in motion sensor. When activated, a "man-down" alert is generated automatically if the radio is not upright for a length of time. Similarly alerts can be sent if the radio is stationary for a preset period or if it is being shaken/swung violently as when someone is running.

LONE WORKER

This ingenious feature provides an extra layer of security for individuals who work in remote or hazardous areas. If there is a long lapse, it will sound an alert. And if the user does not respond to the alert, the TK-2360/3360 will place an emergency call to a predetermined person or group.

RADIO STUN

The radio stun function can disable a lost or stolen radio over the air, thus eliminating security risks.

VOICE ANNOUNCEMENT

The rotary and key controls on the TK-2360/3360 have been designed to provide the user with voice-announcement of radio status or mode – convenient when operated undercover or in a pocket. Several languages are available.

OTHER FEATURES

- 3 new optional batteries
- 4-colour LEDs
- Programmable function keys with hold
- VOX / compander / scrambler setting by channel
- VOX ready
- Time out timer
- Voting
- Priority scan
- Data password protection
- Wide / Narrow per channel
- Companded audio per channel
- Talk around
- BCL
- Key lock

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

Options

- **KNB-55L** Li-Ion Battery Pack (1,480 mAh)
- **KNB-56N** Ni-MH Battery Pack (1,400 mAh)
- **KNB-57L** Li-Ion Battery Pack (2,000 mAh)
- **KBP-5** Battery Case
- **KSC-25** Rapid Charger
- **KSC-30** Regular Charger
- **KSC-256** Six Pocket Multiple Charger
- **KRA-22/23** VHF/UHF Low Profile Helical Antenna
- **KRA-26/27** VHF/UHF Whip Antenna
- **KMC-45** Speaker Microphone
- **KMC-21** Compact Speaker Microphone
- **KHS-1** Headset with VOX/PTT
- **KHS-21** Headset
- **KEP-2** Earphone Kit (2.5 mm plug)
- **KWR-1** Water Resistant Bag
- **KBH-12** Belt Clip

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-2360	TK-3360
GENERAL		
Frequency Range	136 - 174 MHz	400 - 470 MHz
Number of Channels	Max.16	
Channel Spacing	25 kHz / 20 kHz / 12.5 kHz	
Operating Voltage	7.5 V DC ±20 %	
Battery Life (5-5-90 duty cycle, save off)		
with KNB-55L (1480 mAh)	Approx. 9 hours	
with KNB-56N (1400 mAh)	Approx. 9 hours	
with KNB-57L (2000 mAh)	Approx. 13 hours	
Operating Temperature Range	-30°C ~ +60°C	
Frequency Stability	±2.5 ppm (-30°C ~ +60°C)	
Antenna Impedance	50 Ω	
Channel Frequency Spread	38 MHz	70 MHz
Dimensions (W x H x D), Projections not Included		
Radio only	56.0 x 103.7 x 14.0 mm	
with KNB-55L	56.0 x 103.7 x 29.1 mm	
with KNB-56N	56.0 x 103.7 x 33.8 mm	
with KNB-57L	56.0 x 103.7 x 30.1 mm	
Weight (net)		
Radio only	163 g	
with KNB-55L	260 g	
with KNB-56N	360 g	
with KNB-57L	285 g	
Applicable Standards		
ETSI R&TTE	EN 300 086, EN 300 113, EN 300 219, EN 301 489	
ETSI Safety	EN 60065, EN60950-1, EN 60215	

	TK-2360	TK-3360
RECEIVER		
Sensitivity (Wide / Wide 4K / Narrow)		
EIA 12dB SINAD	0.25 µV / 0.25 µV / 0.28 µV	
EN 20dB SINAD	-3 dB µV (0.35 µV) / -3 dB µV (0.35 µV) / -2 dB µV (0.40 µV)	
Adjacent Channel Selectivity		
Wide / Wide 4K / Narrow	70 dB / 70 dB / 63 dB	
Intermodulation Distortion	68 dB	
Spurious Response Rejection	70 dB	
Audio Distortion	less than 5 %	
Audio Output	500 mW / 8 Ω	
TRANSMITTER		
RF Output Power (High / Low)	5 W / 1 W	
Modulation Limiting	±5.0 kHz at 25 kHz ±4.0 kHz at 20 kHz ±2.5 kHz at 12.5 kHz	
Spurious Emission	-36 dBm ≤ 1 GHz, -30 dBm > 1 GHz	
FM Noise (EIA)		
Wide / Wide 4K / Narrow	45 dB / 45 dB / 43 dB	
Modulation Distortion	Less than 5 %	
Microphone Impedance	1.8 kΩ	
Modulation	16K0F3E, 14K0F3E, 14K0F2D, 12K0F2D, 8K50F3E, 7K50F2D	

Analogue measurements made per EN Standards and specifications shown are typical.
Kenwood follows a policy of continuous advancement in development.
For this reason specifications may be changed without notice.

FleetSync® is a registered trademark of Kenwood Corporation.

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*[1]	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	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4
Dust	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, V	516.3/Procedure I, IV	516.4/Procedure I, IV	516.5/Procedure I, IV
International Protection Standard				
Dust & Water Protection*[2]	IP54/55			

*[1] To meet the blowing-rain condition, the 2-pin connector cover has to be connected on the radio.
*[2] To meet IP54/55, the 2-pin connector cover has to be connected on the radio; the locking bracket has to be attached to the KMC-45 external speaker microphone.

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.

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