



TK-2000/3000

Compact VHF/UHF FM Portable Radios



The Thin Edge

Slim, thin and light – Kenwood's TK-2000/3000 is supremely easy to handle and to operate.

Yet this handy compact radio is extremely reliable, meeting the famously tough MIL-STD 810 C/D/E/F and G specifications. With its well-balanced performance, it makes perfect business sense – especially for inventory control and service industry operations.

Thin & Lightweight

Thinner and lighter – the TK-2000/3000 is ideal for hooking on a belt or even slipping into a coat pocket. The slim design fits neatly in your hand and it weighs only 203g with the KNB-63L battery.



16 Channels with Scan Function

This compact, user-friendly portable offers a total of 16 channels, and each can be assigned a QT and DQT tone key to eliminate unwanted signals. You can also assign the 16th channel, if free, to the scan function. This added convenience means that the PF key is freed up for some other function.

Programmable Function Key with Hold

The side PF key can be programmed for enhanced operating ease, while the adjustable Hold feature doubles the number of functions at your fingertips.

All-in-one Package

The TK-2000/3000 is ready for use immediately after purchase. It comes with all necessary accessories, including a charger, battery pack and antenna. A handy belt clip is also provided. There is no need to buy extra accessories for normal operation.

Supplied Accessories



Robust & Reliable

The TK-2000/3000 is built to survive hard knocks, drops and all-weather environments. It meets or exceeds the stringent IP54 dust and water intrusion standards as well as the MIL-STD 810 C, D, E, F & G environmental standards.

OTHER FEATURES

- Output Power 5W (VHF) / 4W (UHF) • QT / DQT
- DTMF Enc. (PTT ID, Autodial) • Priority Scan • Windows® Programming and Tuning • Wide/Narrow Channel Bandwidth • VOX Ready • Battery-Saver
- Busy Channel Lockout • Time-Out-Timer • Low-Battery Alert • Tri-Colour LED • Wired Clone



Options

- **KNB-63L**
Li-Ion Battery
(7.4V, 1,130 mAh)



- **KNB-65L**
Li-Ion Battery
(7.2V, 1,520 mAh)



- **KSC-35S**
Regular Charger



- **KRA-22**
VHF Low Profile
Helical Antenna



- **KRA-23**
UHF Low Profile
Helical Antenna



- **KRA-26**
VHF Helical Antenna



- **KRA-27**
UHF Whip Antenna



- **KMC-45**
Speaker Microphone



- **KMC-21**
Compact Speaker
Microphone



- **KHS-1**
Headset with
VOX/PTT



- **KHS-21**
Headset



- **KWR-1**
Water Resistant Bag



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

Specifications

	TK-2000	TK-3000
GENERAL		
Frequency Range	144 - 174 MHz	440 - 470 MHz
Number of Channels	16 channels	
Channel Spacing	Wide / Wide 4K / Narrow 25 kHz / 20 kHz / 12.5 kHz	
Operating Voltage	7.5 V DC ± 20 %	
Battery Life (5-5-90 duty cycle)	with KNB-63L Approx. 9 hours with KNB-65L Approx. 12 hours	
Operating Temperature Range	-20°C ~ +60°C	
Frequency Stability	5 ppm	2.5 ppm
Antenna Impedance	50 Ω	
Channel Frequency Spread	30 MHz	
Dimensions (W x H x D), Projections not Included		
Radio only	54 x 113 x 14 mm	
with KNB-63L	54 x 113 x 24.9 mm	
with KNB-65L	54 x 113 x 26.9 mm	
Weight (net)	Radio only Approx. 130 g with KNB-63L Approx. 203 g with KNB-65L Approx. 222 g	
Applicable Standards	ETSI R&TTE EN 300 086, EN 300 219, EN 301 489 ETSI Safety EN 60065, EN 60950-1, EN 60215	

	TK-2000	TK-3000
RECEIVER		
Sensitivity (Wide / Wide 4K / Narrow)	EIA 12dB SINAD 0.28 μV / 0.28 μV / 0.35 μV EN 20dB SINAD -3 dB μV (0.35 μV) / -3 dB μV (0.35 μV) / -1 dB μV (0.45 μV)	
Adjacent Channel Selectivity	Wide / Wide 4K / Narrow 70 dB / 70 dB / 60 dB	
Intermodulation Distortion	65 dB	
Spurious Response Rejection	70 dB	
Audio Distortion	Less than 5 %	
Audio Output	500 mW / 8 Ω	
TRANSMITTER		
RF Power Output (High / Low)	5 W / 1 W	4 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 ≤ 1GHz, -30 dBm > 1GHz	
Modulation	Wide / Wide 4K / Narrow 16K0F3E / 14K0F3E / 11K0F3E	
FM Noise (EIA)	Wide / Wide 4K / Narrow 45 dB / 43 dB / 40 dB	
Modulation Distortion	Less than 5 %	
Microphone Impedance	1.8 kΩ	

Analogue measurements made per EN Standards and specifications shown are typical.
Specifications are subject to change without notice, due to advancements in technology.
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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	506.1/Procedure II	506.2/Procedure II	506.3/Procedure II	506.4/Procedure III	506.5/Procedure 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	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4	509.5
Dust	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, V	516.3/Procedure I, IV	516.4/Procedure I, IV	516.5/Procedure I, IV	516.6/Procedure I, IV
International Protection Standard					
Dust & Water Protection	IP54				

To meet MIL810 and IP54, the 2-pin connector cover has to be connected.

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Professional Systems Business Group
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