

TK-U100

Compact UHF FM Portable Radios



The Thin Edge

Slim, thin and light - Kenwood's TK-U100 is supremely easy to handle and to operate. Yet this handy compact radio is extremely reliable, meeting the famously tough MIL-STD 810C/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-U100 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 Li-Ion 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-U100 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-U100 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 810C, D, E, F & G environmental standards.

OTHER FEATURES

- Output Power 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

All

<p>■ KNB-63L Li-Ion Battery (7.2V, 1,130mAh)</p> 	<p>■ KRA-27 UHF Whip Antenna</p> 	<p>■ KHS-1 Headset with VOX/PTT</p> 
<p>■ KSC-35S Regular Charger</p> 	<p>■ KMC-45 Speaker Microphone</p> 	<p>■ KHS-21 Headset</p> 
<p>■ KRA-23 UHF Low Profile Helical Antenna</p> 	<p>■ KMC-21 Compact Speaker Microphone</p> 	<p>■ KWR-1 Water Resistant Bag</p> 

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

Frequency Range	400 - 430 MHz		Sensitivity (12 dB SINAD)	Wide/Narrow 0.25µV/0.28µV	
Number of Channels	16 channels		Selectivity	Wide/Narrow 70dB/60dB	
Channel Spacing	Wide/Narrow 25 kHz / 12.5 kHz		Intermodulation Distortion	Wide/Narrow 65 dB / 60 dB	
Channel Step	5.625 kHz		Spurious Response	60 dB	
Operating Voltage	7.5 V DC ±20 %		Audio Distortion	Less than 5%	
Battery Life (5-5-90 duty cycle, save off)	with KNB-63L Approx. 10 hours		Audio Output	500 mW / 8 ^	
Operating Temperature	-20°C ~ +60°C		TRANSMITTER		
Frequency Stability	2.5 ppm		RF Power Output (High / Low)	5 W / 1 W 4 W / 1 W	
Antenna Impedance	50 ^		Spurious Response	65 dB	
Channel Frequency Spread	40MHz		Modulation	Wide / Narrow 16K0F3E/11K0F3E	
Dimensions (W x H x D), Projections not Included	Radio only 54x113x14mm		FM Hum & Noise	Wide/Narrow 45 dB/40dB	
	with KNB-63L 54x113x24.9mm		Audio Distortion	Less than 5%	
Weight (net)	Body only Approx. 130g		Measurements made per TIA/EIA 603 and specifications shown are typical. Kenwood follows a policy of continuous advancement in development. For this reason specifications may be changed without notice.		
	with KNB-63L Approx. 203g		Windows® is a registered trademark of Microsoft Corporation.		
FCC ID	Type 1 ALH437200	Type 2 ALH437300			
FCC Compliance	Parts 15 / 90				

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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