

PKT-23K

POCKET-SIZED UHF FM PORTABLE RADIO

A Powerful Business Radio in the Palm of Your Hand.

At only 3.9oz, KENWOOD's PKT-23K UHF two-way radio provides 1.5 watt transmit power, 4 channels, and up to 15 hours of operation. This small but powerful radio is simple to operate and durable, meeting or exceeding MIL-Spec standards 810 C/D/E/F/G (11 items) and IP54 (dust/water intrusion). Connect to the standard micro USB port to charge or use included charging cup, and plug Kenwood headphones into the 3.5mm audio jack for hands free operation. Versatile, strong, and small - the PKT-23K is built business tough.

General Features

LIGHT WEIGHT AND SIMPLE OPERATION

Fitting in the palm of your hand, the PKT-23K is easy to take anywhere your staff needs to go. At only 3.9oz, it can fit comfortably in an apron pocket or attached with the included belt clip. The front panel button layout makes the PKT-23K easy to operate.

1.5W TRANSMIT POWER WITH UP TO 15 HOURS OF OPERATION

The PKT-23K offers 1.5 watts of power, providing a coverage area up to 5 miles for direct radio-to-radio communication on the same frequency. The built-in 1430mAh lithium-ion battery provides up to 15 hours of use.

4 CHANNELS WITH VOICE GUIDE

The PKT-23K provides up to 4 channels, allowing you to assign channels to specific team members. The Voice Guide alerts you when you change channels.

CALL NOTIFICATION (BELL TONE ALERT)

You are alerted to an incoming call by the flashing LED light and a bell tone.

MULTI-COLORED LED

Blinking LED lights in 3 colors indicate the PKT-23K's transmission status and low battery status.

BUILT-IN 3.5D JACK

Connect the KHS-33 or KHS-34 headphone for better use in noisy environments or for private conversations.

BUILT-IN VOX

Built-in VOX allows hand free operation which automatically starts transmission in response to your voice when using an external microphone.

EQUIPPED WITH MICRO USB TERMINAL

The standard micro USB port means a smart phone charger can also be used to charge the PKT-23K.

KENWOOD SUPERIOR SOUND

Kenwood's superior sound quality means your audio output will always be clear and easy to hear.



Operating Conditions

Open areas without obstructions	- Up to 5 miles (8 km)
Residential areas (near buildings)	- Up to 1.5 miles (2.4 km)
In steel and/or concrete reinforced buildings	- Up to 225,000 sq.ft (20,900 sq.m)
In high-rise buildings	- Up to 17 floors

Note: Talk range will vary based on terrain and conditions.

LT Series Portable Includes

- Spring action belt clip
- Drop in charger
- Fixed Antenna
- 1430 mAh Li ion Battery
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / Options: 1 Year

Accessories

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

KNB-71L
Li-Ion Battery
(1430 mAh)



KHS-33
Earbud In-line
PTT Headset
(Single Pin Jack)



KBH-20
Spring Action Belt Clip



KSC-44K
Fast Charger
and Power Supply



KHS-34
C-Ring In-line
PTT Headset
(Single Pin Jack)



KMB-44K
6 Radio Multi-Charger



Specifications

General	PKT-23K
Pre-set Frequencies	451-470 MHz Preset 99 Channels
Number of Channels	4
Channel Spacing (FCC Narrow Compliant)	12.5 kHz
Channel Step	5,625 kHz
Operating Voltage	3.8V DC±10%
Battery Life (5-5-90 duty cycle) KNB-71L (1430mAh)	Approx. 11 hours (Battery saver off) Approx. 15 hours (Battery saver on)
Operating Temperature Range*	-14°F ~ +140°F (-10°C ~ +60°C)
Frequency Stability	±2.5ppm (-14°F ~ +140°F)
Antenna Impedance	50 Ω
Dimensions Radio with KNB-71L	(W x H x D) Projections Not Included 1.8 x 3.3 x 0.8 in. (46.0 x 85.0 x 21.0 mm)
Weight Radio with KNB-71L	3.9 oz. (110 g)
FCC ID	ALH460300
FCC Compliance	Part 90

*Based upon 5% transmit, 5% receive and 90% standby (standard duty cycle)

Specifications shown are typical and subject to change without notice, due to advancements in technology. Details and timing of firmware and software updates are subject to change without notice. Analog measurements made per TIA603. Specifications are measured according to applicable standards.

Receiver	PKT-23K
Sensitivity Narrow (12 dB SINAD)	0.22 μV
Selectivity Narrow	60 dB
Intermodulation Distortion	50 dB
Spurious Rejection	70 dB
Audio Output Power	1 W / 12 Ω (Internal Output) 500 mW / 8 Ω (External Output)

Transmitter	PKT-23K
RF Power Output (High / Low)	1.5 W (ERP) / 0.5 W (ERP)
Spurious Emission	55 dB
Modulation Narrow	11K0F3E
FM Hum & Noise Narrow	50 dB
Audio Distortion	Less than 5%

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MIL-STD & IP

MIL Standard	MIL 810C Methods/Procedures	MIL 810D Methods/Procedures	MIL 810E Methods/Procedures	MIL 810F Methods/Procedures	MIL 810G Methods/Procedures
Low Pressure	5001/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	500.4/Procedure I, II	500.5/Procedure I, II
High Temperature	5011/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	5021/Procedure I	502.2/Procedure I, II	502.3/Procedure I, II	502.4/Procedure I, II	502.5/Procedure I, II
Temperature Shock	5031/Procedure I	503.2/Procedure I	503.3/Procedure I	503.4/Procedure I, II	503.5/Procedure I
Solar Radiation	5051/Procedure I	505.2/Procedure I	505.3/Procedure I	505.4/Procedure I	505.5/Procedure I
Rain	5061/Procedure I, II	506.2/Procedure I, II	506.3/Procedure I, II	506.4/Procedure I, III	506.5/Procedure I, III
Humidity	5071/Procedure I, II	507.2/Procedure II, III	507.3/Procedure II, III	507.4	507.5/Procedure II
Salt Fog	5091/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4	509.5
Dust	5101/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, II, V	516.5/Procedure I, IV	516.6/Procedure I, IV
International Protection Standard					
Dust & Water Protection*	IP54				

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