

# KENWOOD

UHF FM TRANSCEIVER

## PKT-23

**PMR446**

License Free Radio

**Success in your  
Pocket**



# ProTalk<sup>®</sup>LT

**The PKT-23. An easy-to-use,  
license-free PMR446 UHF FM  
transceiver. Thin, lightweight and  
durable. Compliant with IP54  
and 11 US MIL-STD standards.**

## Small

At **110 g**, it is the smallest & lightest  
2-Way Radio from KENWOOD.

## Simple

Simple and license-free operation  
in an all-in-one package ready for  
immediate use.

## Tough

Complies with **IP54** (dust/water  
resistant) and durability meeting  
or exceeding **MIL-STD 810**  
C/D/E/F/G **11 items**.

## Powerful

**500 mWatts** Transmit Power.  
Up to **15 hours** of operation.  
(5-5-90; battery saver ON)



**PoCKET  
size**

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Actual size  
W: 46 mm  
H: 85 mm  
D: 21 mm  
\*Excluding antenna.



## Easy Communication

### Light Weight and Simple Operation

Fitting in the palm of your hand, the PKT-23 is easy to take anywhere your staff needs to go. At only 110 g, it can fit comfortably in a pocket or attached with the included belt clip. The front panel button layout makes the PKT-23 easy to operate.



### 500 mW Transmit Power with Up to 15 Hours of Operation

The PKT-23 offers 500 mWatts of power, for direct radio-to-radio communication on the same frequency. The built-in 1,430 mAh lithium-ion battery provides up to 15 hours of use.

Battery life	
Battery life (5-5-90 duty cycle)	Saver on: 15 hours
	Saver off: 11 hours
Battery charging time	2 hours

### 8 Channels with Voice Guide

The PKT-23 provides up to 8 channels, allowing you to assign channels to specific team members. The Voice Guide alerts you when you change channels.



### Calling Alert

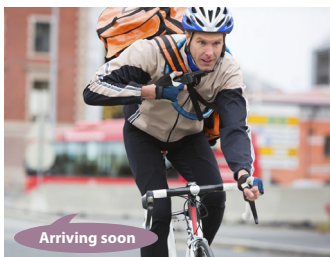
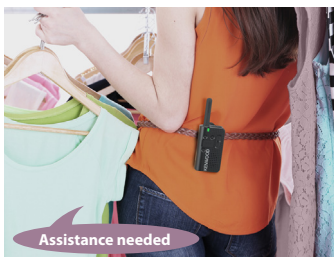
You are alerted to an incoming call by the flashing LED light and a beep.



### Multi-coloured LED

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





# Built Business Tough

## Meets MIL-STD and IP54

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/ I	50 0.2/ I, II	500.3/ I, II	500.4/ I, II	500.5/ I, II
High Temperature	501.1/ I, II	501.2/ I, II	501.3/ I, II	501.4/ I, II	501.5/ I, II
Low Temperature	502.1/ I	502.2/ I, II	502.3/ I, II	502.4/ I, II	502.5/ I, II
Temperature Shock	503.1/ I	503.2/ I	503.3/ I	503.4/ I, II	503.5/ I
Solar Radiation	505.1/ I	505.2/ I	505.3/ I	505.4/ I	505.5/ I
Rain	506.1/ I, II	506.2/ I, II	506.3/ I, II	506.4/ I, III	506.5/ I, III
Humidity	507.1/ I, II	507.2/ II, III	507.3/ II, III	507.4	507.5/ II
Salt Fog	509.1/ I	509.2/ I	509.3/ I	509.4	509.5
Dust	510.1/ I	510.2/ I	510.3/ I	510.4/ I, III	510.5/ I
Vibration	514.2/ VIII, X	514.3/ I	514.4/ I	514.5/ I	514.6/ I
Shock	516.2/ I, II, V	516.3/ I, IV	516.4/ I, IV	516.5/ I, IV	516.6/ I, IV
International Protection Standard					
Dust & Water Protection	IP54				

## Built-in 3.5D Jack

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



\*Headphones and earphones are not supplied with the unit.

## 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-23.



## Self Programming

User selectable channel frequencies, QT tones, and DQT codes without using an FPU(programming software).

## ACCESSORIES INCLUDED

- **KNB-71L** Li-ion Battery (3.8 V/1,430 mAh)
- **KSC-44CR** Fast Charger
- **KSC-44SL** AC adapter single
- **KBH-20** Spring Action Belt Clip
- Owner's Manual

## OPTION

\*Available later



**KSC-44CR\***  
Fast Charger



Charge 6 radios at the same time with the multi-charger.



**KBH-20**  
Spring Action Belt Clip



**KSC-44SL\***  
AC Adapter Single



**KSC-44ML\***  
AC Adapter Multiple



**KNB-71L**  
Li-ion Battery (3.8 V/1,430 mAh)



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



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

## SPECIFICATIONS

MODEL	PKT-23E
<b>GENERAL</b>	
Frequency Range	446.0 to 446.1 MHz
Number of Channels	Max. 8
Channel Spacing (Narrow)	12.5 KHz
Battery Voltage	3.8 V DC $\pm$ 10 %
Battery Life (5-5-90)*	Approx. 15 hrs
Frequency Stability	$\pm$ 2.5 ppm
Dimensions (Excluding antenna)	W46.0 x H85.0 x D21.0 mm
Weight with battery	Approx. 110 g
<b>RECEIVER</b>	
Sensitivity (Narrow) EN 20dB SINAD	-7.0 dB $\mu$ V
Selectivity (Narrow)	60 dB
Intermodulation Distortion (Narrow)	60 dB
Audio Distortion	Less than 5 %
Audio Output (Internal)	300 mW/4 $\Omega$
Audio Output (External)	2 mW/32 $\Omega$
<b>TRANSMITTER</b>	
RF Power Output	ERP 500 mW
Spurious Response	-36 dBm $\leq$ 1 GHz, -30 dBm $>$ 1 GHz
FM Hum & Noise (Narrow)	50 dB
Modulation Distortion	Less than 5 %
Type of Emission	8K50F3E

\*Based upon 5 % transmit/ 5 % receive/ 90 % standby (standard duty cycle)

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KENWOOD Corporation

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