

KENWOOD

UHF FM TRANSCEIVER

PKT-23

PMR446

License Free Radio

**Success in your
Pocket**



ProTalk[®]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

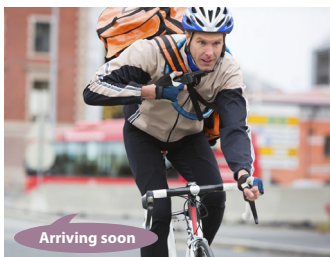
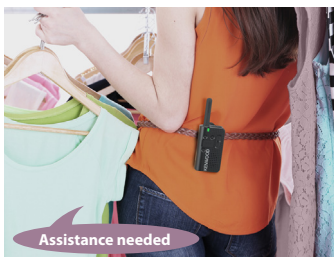
You are alerted to an incoming call by the flashing LED light and a beep.



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
GENERAL	
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
RECEIVER	
Sensitivity (Narrow) EN 20dB SINAD	-7.0 dB μ V
Selectivity (Narrow)	60 dB
Intermodulation Distortion (Narrow)	60 dB
Audio Distortion	Less than 5 %
Audio Output (Internal)	300 mW/4 Ω
Audio Output (External)	2 mW/32 Ω
TRANSMITTER	
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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ISO9001 Registered
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UKAS
MICROBIOLOGICAL SYSTEMS
KENWOOD Corporation

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