

New Product Release Information

ProTalk[®]LT

PMR446 TRANSCEIVER

Analogue

PKT-23

UHF FM TRANSCEIVER

Kenwood announces a New-style Analogue ProTalk 446

The new **PKT-23** hand-portable is designed for 'Light Weight and Simple Operation', making it the ideal license-free radio for Retail / School / Restaurant / Shopping Mall / Hospitality and so on.



Key Benefits

- **Small**

At 110 g, it is the smallest & lightest 2-Way Radio from KENWOOD PMR446.

- **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**

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

Product Schedule

| MODEL NAME | TYPE | PRODUCTION | LAUNCH | Freq. | TX PWR | Inst. MANUAL |
|------------|------|------------|----------|---------|--------|---|
| PKT-23 | E | Mar-2015 | Mar-2015 | 446 MHz | 500 mW | E,S,G,F,D,I, (T,Gr,P:PDF on the web) |
| | T | | | | | E |

I/M Language: E: English, S: Spanish, G: German, F: French, D: Dutch, I: Italian, T: Turkish, Gr: Greek, P: Portuguese

| PROGRAMMING CD | TYPE | PRODUCTION | LAUNCH | NOTE |
|----------------|------|------------|--------|------------------------------------|
| KPG-182D | M | Mar - 2015 | | Please contact your Kenwood Office |

Key Features

Simple and easy to use - No license required

This license-free two-way radio comes with a 1430mAh Li-Ion rechargeable battery, battery charger and belt clip; there's no need to buy extra accessories for basic operation. It is ready to use right away.

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 110g, it can fit comfortably in an apron pocket or attached with the included belt clip. The front panel button layout makes the PKT-23 easy to operate.

Compact, reliable and robust

Users will appreciate just how light (110g) this radio is. Yet, there is no compromise on build integrity; it meets or exceeds the IP54 dust and water intrusion standards as well as MIL-STD 810 C, D, E, F & G environmental standards, making it tough enough for outdoor use in any weather.

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. All channels are the approved UK/EU PMR446 Service frequencies for full compatibility.

Built-in self programming

Users can change several settings, channel frequency, QT tone or DQT code without using programming software.

Feature Definition: "Wireless Cloning"

The PKT-23 includes Kenwood's exclusive wireless cloning which allows cloning of multiple portables by a single master portable with a simple "push of a button"...with no cables or wires attached.

Other Features

- 3.5D Jack -For Earphone-Microphone
- Micro USB Connector
 - For connection to PC for FPU operation.
 - For battery Charging
- Radio (with battery) can be charged with Stand Charger.
- Status Indicator (3-color LED multi-color emission)
 - Indicate the various status (TX/RX/Charging/ etc.) by LED (blinks, lights, colors).
- Battery Saver
- Calling Alert
- Super Key Lock
- VOX
- Wireless Clone mode
- PTT Proceed Tone
- Busy Channel Lock Out
- Key Lock
- Scan
- Tone Alert
- All Reset mode
- PTT Release Tone

Accessories included



Belt Clip



Stand Charger



Adapter



Battery

Optional Accessories



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



- KBH-20 : Belt Clip (※1)



- KHS-33 : Earbud In-line PTT Headset



- KHS-34 : C-Ring In-line PTT Headset



- KSC-44CR : Rapid Charger(※1)



- KSC-44SL: AC Adapter (Single) (※1)



- KSC-44ML : AC Adapter (Multiple) (※1)

Coupling mechanism



6-KSC-44CR & KSC-44ML
Connection image

- KPG-182D : FPU Programming Software (Free of charge)

(※1): Available Later

Specifications

(All specifications subject to change without prior notice)

| | | |
|---|------------------|--------------------|
| Frequency Range | | 446.0 to 446.1 MHz |
| Number of Channels | | Max.8ch |
| Channel Spacing | | 12.5 kHz |
| Operating Voltage | | 3.8V DC±10 % |
| Battery Life (5-5-90) (battery save on) | with KNB-71L | 15 hours |
| Battery Life (5-5-90) (battery save off) | with KNB-71L | 11 hours |
| Operating Temperature Range | | -10°C to +60°C |
| Frequency Stability | | ± 2.5 ppm |
| Dimensions (W x H x D) | | 46 x 85 x 21mm |
| Weight | | 110 g |
| RF Power output | | ERP 500 mW |
| Audio Output | Internal speaker | 300 mW/4 Ω |
| | External output | 2 mW/32 Ω |
| Modulation | | 8K50F3E |

All specifications shown are typical.
Analogue measurements made as per EN 300 296-2, EN300 341-2.

Default Frequency and Tone

Analogue PMR446 channel

| Channel Number | Operating Frequency (MHz) | Signaling |
|----------------|---------------------------|-----------|
| 1 | 446.00625 | 94.8Hz |
| 2 | 446.09375 | 88.5Hz |
| 3 | 446.03125 | 103.5Hz |
| 4 | 446.06875 | 79.7Hz |
| 5 | 446.04375 | 118.8Hz |
| 6 | 446.01875 | 123.0Hz |
| 7 | 446.08125 | 127.3Hz |
| 8 | 446.05625 | 85.4Hz |

Applicable MIL-STD & IP Rating

| Military Standard | METHOD/PROCEDURES | | | | |
|--|--------------------------|-------------------------|-------------------------|------------------------|-----------------------|
| | MIL810-C | MIL810-D | MIL810-E | MIL810-F | MIL810-G |
| 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 | | | | |

Applicable condition table for MIL standard (dust & rain) & IP-54
 Remarks: All the standards applicable when used with accessory cap.

Key Capabilities

