KENWOOD

Pro-grade Quality in a Small Package

ProTalk XLS

PMR446
Licence Free Radio

UHF FM TRANSCEIVER
PKT-300

ProTalk® XLS

PMR446
Licence Free Radio

KENWOOD

VOX DQT
PRIVACY
16-8.3

ProTalk XLS

MENU MON

CALL

Actual size

Communications could not be simpler: the PKT-300 is a compact license-free (PMR446) UHF FM radio that is easy to use, lightweight, and rugged.

Simple

Ready out of the box: all-in-one package for simple, license-free operation in diverse business fields – everything from retail and restaurants to hotels, warehouses, schools, and events.

Compact and Lightweight

Measuring just 50 x 98 x 27 mm (W x H x D),* this radio fits comfortably in palm or pocket. And it weighs only 140 g. *with supplied Li-ion Battery

Robust

The PKT-300 has a range of 9 km*, and the battery offers up to 24 hours of operation.

* Talk range will vary depending on the terrain and conditions.

Accessories included

All-in-one package

KNB-81L, KSC-50CR, KSC-44SL, belt clip, user manual and warranty card

Features and Functions that Set

■ Lightweight and Easy-to-Use

Weighing just 140 g, the PKT-300 fits in easily, anywhere – in palm or pocket. The controls are laid out for intuitive simplicity, with the power switch and integrated volume knob on top, and the PTT button on the side. Plus, this radio comes with all essential accessories – including AC adapter and belt hook – so unbox, charge, and you're ready to go.

500 mW ERP Transmit Power, up to 24 Hours of Operation

The PKT-300 has a transmit power of 500 mW, providing a range of up to 9 km for direct voice communications. And the lithium-ion battery delivers up to 24 hours of operation* with the battery saver on.

24 hours

*5-5-90 duty cycle (5% transmit / 5% receive / 90% standby)

■ Superb Audio Quality

The 32 mm diameter speaker with compander technology offers clear audio even in noisy environments. The compander (compressor/expander) also supports higher clarity by avoiding interference. A mute function is included.

■ 16 Preset Channels with Scan

With 16 channels to choose from, it is easy to switch to a different channel to avoid a busy one. And the scan function can be used to monitor multiple channels without having to search manually.

■ LCD and LED Visual Information

The backlit LCD keeps the user informed of 3-level battery status, VOX, Key Lock, Monitor, Privacy, and Signaling ID. In addition, the LED offers instant confirmation of operating status, lighting either red (transmitting) or green (busy).

■ Privacy Talk

For peace of mind, Privacy Talk reduces the risk of eavesdropping.

■ Quiet Talk (QT) and Digital Quiet Talk (DQT)

Sub-audible QT codes (39 plus 6 customizable) and DQT digital codes (168 plus 6 customizable) can be used to filter out unwanted signals and thus avoid distracting voice traffic.

Compatible with KENWOOD Headphones and Headsets*

For use in noisy environments or when there is a need for privacy, the PKT-300 is backward compatible with KENWOOD audio accessories.

*Sold separately

Internal Voice Operated Transmission (VOX)

When used with an external audio accessory, the radio's internal VOX, with 5-sensitivity settings, allows for hands-free operation: transmission starts automatically when the user talks.

Radio Management

You can control radio use by staff with Super Lock, an extension of Key Lock, which stops a user from changing to another channel; and with Busy Channel Lockout (BCL), to prevent a user from transmitting on a channel that someone else is currently using.

Tough Reliability

Tailored for professional-grade applications, the PKT-300 meets or exceeds MIL-STD 810* for durability.

*810 C, D, E, F, G and H (8 items)

MIL Standard: Methods / Procedures	810H
Low Pressure	500.6/ I, II
High Temperature	501.7/ I, II
Low Temperature	502.7/ I, II
Temperature Shock	503.7/ I
Solar Radiation	505.7/ I
Humidity	507.6/ II
Vibration	514.8/ I
Shock	516.8/ I, IV
International Protection Standard	
Dust & Water	IEC-60529 – IP52

Note: Necessary conditions to meet MIL810 and IP grade are: 1) Cap is installed in 2-pin accessory connector, and 2) Cover is attached to the battery compartment.

OPTIONAL ACCESSORIES

KNB-81L
Li-Ion Battery Pack
(3.6V/2200 mAh)

KSC-50CR
Charger Pocket

KSC-44SL
AC ADAPTER (Single)

KSC-44ML
AC Adapter (Multiple)

KMC-21A
Speaker
Microphone

EMC-11
Clip Microphone with
Earphone (Standard)

EMC-12
Clip Microphone with
Earphone (Ear-hanging)

KHS-22A
Headset with flexible Boom
Microphone, Inline-PTT

KHS-26
Earphone headset
mit PTT

KHS-27A
D-Ring headset with PTT
and microphone

KHS-31C
Headset with rotatable
C-ring earhook, PTT

KHS-35F
Headset (Ear-hook)

KHS-7C
Single-sided headphones
(Lip microphone)

KHS-8BL
2-wire Palm Microphone
with Earphone

KBH-20
Belt Clip (Equivalent to the
supplied accessory)

KBH-21
Belt clip (suitable for
50 mm wide belts)

SPECIFICATIONS

GENERAL	PKT-300
Frequency Range	446.0–446.2 MHz
Number of Channels	16
Channel Spacing	12.5 kHz
Operating Temperature	-10 to +60°C
Battery Life (5-5-90) *1	18 hours (Save Off)
	24 hours (Save On)
Frequency Stability	±2.5 ppm
Dimensions with KNB-81L, projections not included	50 x 98 x 27 mm
Weight with KNB-81L	140 g
RECEIVER	
Sensitivity (20 dB SINAD)	0.28 µV
Selectivity	60 dB
Intermodulation	60 dB
Spurious Response	70 dB
Audio Output (internal / external)	300 mW (4Ω) / 100 mW (8Ω)
TRANSMITTER	
RF Power Output	0.5 W (ERP)
Spurious Response	-36 dBm ≤ 1 GHz, -30 dBm > 1 GHz
Type of Emission	8K50F3E
FM Hum & Noise	50 dB
Audio Distortion	Less than 5%

*1: Based on 5% transmit/ 5% receive/ 90% standby (standard duty cycle).

Specifications shown are typical and subject to change without notice, due to advancements in technology.
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JVCKENWOOD Deutschland GmbH

Konrad-Adenauer-Allee 1-11, 61118 Bad Vibel
Telefon: +49 (0)6101 / 4988-530 · Telefax: +49 (0)6101 / 4988-539
www.kenwood.de