

The TK-3501. An easy-to-use, license-free PMR446 UHF FM transceiver. Thin, lightweight and durable. Compliant with IP54 and 11 US MIL-STD standards.

Ease of use

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

Thin and lightweight

Comes with a KNB-63L battery (WxHxD):
54.0x117x25.5mm; weight: 210g.

Durability

IP54 and US MIL-STD 810 C, D, E, F, and G standard-compliant.

High-quality audio, powerful output

Powerful 1.5W output with BTL audio amplifier.

Wide talk range

Up to 9km talk range with enhanced reception and high-performance antenna.

OPTION

KNB-63L Li-Ion Battery Pack (7.2V 1130mAh)	KHS-1 Headset w/ PTT/VOX	KHS-21 Headset
KNB-65L Li-MH Battery Pack (7.4V 1520mAh)	KHS-7 Single Muff Headset	KHS-22 Behind-the-Head Lightweight Headset
BT-16 Battery Case	KHS-7A Single Muff Headset w/ in-line PTT	EMC-11 Clip Microphone w/ Earphone
KSC-35S Rapid Charger	KHS-8BL 2-Wire Palm Microphone w/ Earphone	EMC-12 Clip Microphone w/ Earphone
KSC-356 Multiple Charger (6-unit Rapid Rate)	KHS-9BL 3-Wire Palm Microphone w/ Earphone	KBH-18 Belt Clip
KMC-21 Speaker Microphone (Compact Low-Profile)	KHS-10-0H Heavy-duty headset	KWR-1 Water Resistance Bag
KMC-45 Speaker Microphone	KEP-2 2.5mm Earphone kit	KLH-197NC Nylon Case

TK-3501 SPECIFICATIONS

GENERAL		
Frequency Range	Analogue	446.0 to 446.1MHz
Number of Channels		16ch
Channel Spacing	Analogue	12.5 kHz
Operating Voltage		7.5V DC ± 20%
Battery Life (5-5-90)*1	KNB-63L	Battery Save: OFF 14 hours 18 hours
	KNB-65L	20 hours 26 hours
Frequency Stability		±2.5 ppm
Dimensions (WxHxD), Weight	Radio only With KNB-63L With KNB-65L	54x117x14.6mm, 140g 54x117x25.5mm, 210g 54x117x27.5mm, 230g
RF Power Output		ERP 500 mW
Audio Output	Internal Speaker External Output	1.5W / 8Ω 500 mW / 8Ω
Modulation	Narrow	8K50F3E

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

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UHF FM TRANSCEIVER
TK-3501

PMR446

License Free Radio



ProTalk

UHF FM TRANSCEIVER

TK-3501

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License Free Radio



Thin and lightweight yet durable design. Simple and confident communications.

User-friendly with no need for a license

The TK-3501 is a license-free PMR446 UHF transceiver. The ready-to-use package contains the transceiver, a rechargeable battery, battery charger and belt clip.



Thin and lightweight

The lightweight TK-3501 is just 25.5mm* thick and fits perfectly in the palm of your hand. Equipped with the standard KNB-63L battery, it weighs in at only 210g.



IP54 and US MIL-STD 810 C, D, E, F, and G standard-compliant

The TK-3501 meets IP54 dust and water intrusion standards as well as 11 US MIL-STD 810 C, D, E, F, and G standards. Its robust durability is able to withstand tough use in the field.

Standard	MIL 810C Methods	MIL 810D Methods	MIL 810E Methods	MIL 810F Methods	MIL 810G Methods
Low Pressure	500.1/I, II	500.2/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/I, III	507.3/I, III	507.4	507.5/I
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/VII, 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				

Wide talk range

The TK-3501 achieves a talk range of up to 9km with a receiver circuit optimised for the high-performance stationary antenna.

High-quality audio, powerful output

Drawing on Kenwood's expertise as an audio specialist, the TK-3501 offers crisp, clear audio resulting in dependable communications even in harsh operating conditions. The BTL audio amplifier combined with the large internal speaker delivers 1.5W speaker output and reliable audio even in noisy environments.



16 channels

A rotary encoder enables easy operation to choose any of 16 channels.



Power-saving design = longer operation

The power-saving design delivers up to 20 hours of use (with Power Save enabled) with the standard KNB-63L (1130mAh) battery. (26 hours with the optional KNB-65L battery)

QT/DQT compatible

The user can reprogram the pre-defined QT tone and frequency settings for each channel. The TK-3501 also supports DQT for a quiet standby mode.

Self programming

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

Other features:

- Built-in VOX function*
- Key Lock function
- Preset 10 Calling Alert
- Proceed Tone/PTT Release Tone
- All Reset Mode
- Busy Channel Lock Out

*Optional KHS-21 required.