

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 (W×H×D): 54.0×117×25.5mm; 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 | Battery Save: ON 20 hours |
| | KNB-65L | 18 hours | 26 hours |
| Frequency Stability | | ±2.5 ppm | |
| Dimensions (W×H×D), Weight | Radio only | 54×117×14.6mm, 140g | |
| | With KNB-63L | 54×117×25.5mm, 210g | |
| | With KNB-65L | 54×117×27.5mm, 230g | |
| RF Power Output | | ERP 500 mW | |
| Audio Output | Internal Speaker | 1.5W / 8Ω | |
| | External Output | 500 mW / 8Ω | |
| Modulation | Narrow | 8K50F3E | |

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

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KENWOOD

UHF FM TRANSCEIVER
TK-3501

PMR446

License Free Radio



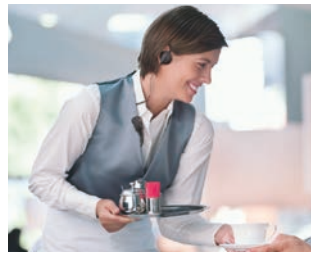
ProTalk

UHF FM TRANSCEIVER

TK-3501

PMR446

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.

*At thinnest point on body.



Thickness 25.5mm

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 | 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/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 | | | | |

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.