

KENWOOD

TK-2206/3206

Compact VHF/UHF FM Portable Radios

Kenwood's compact TK-2206/3206 transceiver, based on a proven design, represents ergonomic excellence. Pick one up and you'll immediately appreciate how easy it is to use. Powerful too: equipped with priority scan, built-in VOX and a voice scrambler, it offers reliable performance in all conditions, thanks to MIL-STD 810 & IP54/55 weather-proofing. Indoors or out, rain or shine, the smart new TK-2206/3206 is a star performer!



COMPACT DESIGN

The TK-2206/3206's rounded ergonomic contours naturally fit the hand for a superbly comfortable hold, while the non-slip elastomer channel knob with improved torque characteristics ensures positive select operation.

VOICE GUIDE

A synthesized Voice Guide feature can automatically "read out" the selected channel number (languages: English & Chinese). This eyes-free user interface adds a new dimension for portables worn on a belt, in a pocket or in dimly lit environments. Also, you are less likely to miss a call as a result of an accidental channel change.

INTERNAL VOX/HANDS FREE READY

Enjoy the convenience of hands-free operation using any optional headset accessory. The internal VOX (voice-operated transmission) provides PTT control with the simple act of talking. VOX is great for specialized tasks and events where hands-free, constant or repetitive communications are necessary (10-level sensitivity adjustment).

PRIORITY SCAN & TALK BACK

Scanning is a simple way to monitor multiple channels and the TK-2206/3206 (16-channel capacity) offers both standard and priority scan modes. Talk Back allows immediate response to a received call without having to manually search or change channels.

BUILT-IN VOICE SCRAMBLER

A voice inversion-scrambling feature provides basic communications security against casual eavesdropping (compatible with the scrambler technology featured on the TK-3130/3131 and TK-2160/3160 transceivers).

FleetSync™ PTT ID & SELCALL

The TK-2206/3206 uses Kenwood's FleetSync™ PTT ID protocol to identify units to a FleetSync™-capable dispatch operation. Alternatively, the PTT ID function can be set per channel to encode one of eight Fleet List ID's for selective calling of groups or individual units.

QT/DQT/DTMF

The industry standard tone/code squelching formats QT (CTCSS) and DQT (digital) provide system access and group segregation on shared frequencies. DTMF PTT ID is included for dispatch operations or for a simple remote control application. The DTMF decode capabilities include a selective call ID, transpond with ID, "wild card" group calling and radio stun. Both selective calling formats (FleetSync™ and DTMF) have call alert tones and LED indications.

PROGRAMMABLE FUNCTION KEYS

The two side PF Keys are programmable for any of the many functions available on the TK-2206/3206, permitting a customized fit for specific users.

OPTIMUM AUDIO

Clear audio means confident communications. The TK-2206/3206 is equipped with a large speaker offering a full half-watt of audio output, while tailored response characteristics provide optimum clarity even in noisy environments.

14-HOUR BATTERY PACK

The standard KNB-29N Ni-MH 14-hour* pack offers extended power in a compact, lightweight design.

*Battery life is based on a 5% transmit / 5% receive / 90% standby duty cycle.

TOUGH & WATERPROOF

Built tough to take rough treatment in stride, the TK-2206/3206 has passed the advanced IP54/55 and MIL-STD 810 "blowing rain" water resistance tests. It also meets or exceeds 11 other stringent MIL-STD 810 C/D/E/F environmental standards. Whatever the weather, the TK-2206/3206 is ready to answer the call.

OTHER FEATURES

- Key Lock
- Wireless clone
- Selectable microphone sensitivity (2-level FPU set)



Options

| | | |
|--|---|---|
| <p>■ KNB-29N Ni-MH Battery Pack (1,500mAh)</p>  | <p>■ KRA-26 VHF Helical Antenna</p>  | <p>■ KHS-1 Head Set with VOX/PTT</p>  |
| <p>■ KNB-30A Ni-Cd Battery Pack (1,100mAh)</p>  | <p>■ KRA-27 UHF Whip Antenna</p>  | <p>■ KHS-21 Head Set</p>  |
| <p>■ KSC-31 Rapid Charger (3H)</p>  | <p>■ KMC-17 Speaker Microphone</p>  | <p>■ KBH-10 Belt Clip</p>  |
| <p>■ KRA-22 VHF Low Profile Helical Antenna</p>  | <p>■ KMC-21 Compact Speaker Microphone</p>  | <p>■ KWR-1 Water Resistant Bag</p>  |
| <p>■ KRA-23 UHF Low Profile Helical Antenna</p>  | | |

All accessories and options may not be available in all markets. Contact an authorized Kenwood dealer for details and complete list of all accessories and options.

Specifications

| | TK-2206 | TK-3206 |
|---|-------------------------|------------|
| GENERAL | | |
| Frequency range | | |
| Type 1 | 136-174 MHz | 450-490MHz |
| Type 3 | — | 400-430MHz |
| Number of Channels | 16 | |
| Channel Spacing | | |
| Wide/Narrow | 25kHz/12.5kHz | |
| Channel Step | 5, 6.25kHz | |
| Operating Voltage | 7.5V DC±20% | |
| Battery Life (5-5-90 duty cycle with battery saver off) | | |
| with KNB-29N (1500mAh) | Approx. 14 hours | |
| with KNB-30A (1100mAh) | Approx. 9 hours | |
| Operating Temperature Range | -30°C ~ +60°C | |
| Frequency Stability | ±2.5ppm (-30°C ~ +60°C) | |
| Antenna impedance | 50Ω | |
| Channel Frequency spread | | |
| Type 1 | 38MHz | 40MHz |
| Type 3 | — | 30MHz |
| Dimensions (W x H x D), Projections not included | | |
| Radio Only | 54 x 122 x 21.1 mm | |
| with KNB-29N | 54 x 122 x 33 mm | |
| with KNB-30A | 54 x 122 x 33 mm | |
| Weight (net) | | |
| Radio Only | 160 g | |
| with KNB-29N | 360g | |
| with KNB-30A | 340g | |

| | TK-2206 | TK-3206 |
|--|-------------------------------------|---------|
| RECEIVER (Measurements made per TIA/EIA-603) | | |
| Sensitivity (12dB SINAD) | | |
| Wide/Narrow | 0.25μV/0.28μV | |
| Selectivity | | |
| Wide/Narrow | 70dB/60dB | |
| Intermodulation Distortion | | |
| Wide/Narrow | 65dB/60dB | |
| Spurious Response | 65dB | 60dB |
| Audio output | 500mW with less than 10% distortion | |
| TRANSMITTER (Measurements made per TIA/EIA-603) | | |
| RF Power output | | |
| High/Low | 5W/1W | 4W/1W |
| Spurious Response | 65dB | |
| Modulation | | |
| Wide/Narrow | 16K0F3E/11K0F3E | |
| FM Noise | | |
| Wide/Narrow | 45/40dB | |
| Audio Distortion | Less than 5% | |

Kenwood reserves the right to change specifications and features without prior notice. FleetSync™ is a trademark of Kenwood Corporation.

Applicable MIL-STD

| Military Standards | Methods/Procedures MIL-STD 810C | Methods/Procedures MIL-STD 810D | Methods/Procedures MIL-STD 810E | Methods/Procedures MIL-STD 810F |
|--------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Low Pressure | 500.1/Procedure I | 500.2/Procedure I, II | 500.3/Procedure I, II | 500.4/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 |
| Low Temperature | 502.1/Procedure I | 502.2/Procedure I, II | 502.3/Procedure I, II | 502.4/Procedure I, II |
| Temperature Shock | 503.1/Procedure I | 503.2/Procedure I | 503.3/Procedure I | 503.4/Procedure I, II |
| Solar Radiation | 505.1/Procedure I | 505.2/Procedure I | 505.3/Procedure I | 505.4/Procedure I |
| Rain | 506.1/Procedure I, II | 506.2/Procedure I, II | 506.3/Procedure I, II | 506.4/Procedure I, III |
| Humidity | 507.1/Procedure I, II | 507.2/Procedure II, III | 507.3/Procedure II, III | 507.4 |
| Salt Fog | 509.1/Procedure I | 509.2/Procedure I | 509.3/Procedure I | 509.4 |
| Dust | 510.1/Procedure I | 510.2/Procedure I | 510.3/Procedure I | 510.4/Procedure I, III |
| Vibration | 514.2/Procedure VIII, X | 514.3/Procedure I | 514.4/Procedure I | 514.5/Procedure I |
| Shock | 516.2/Procedure I, II, V | 516.3/Procedure I, IV | 516.4/Procedure I, IV | 516.5/Procedure I, IV |

*Rain (Drip/Blowing Rain): assumes that the supplied accessory jack cover or a Kenwood audio accessory is installed.



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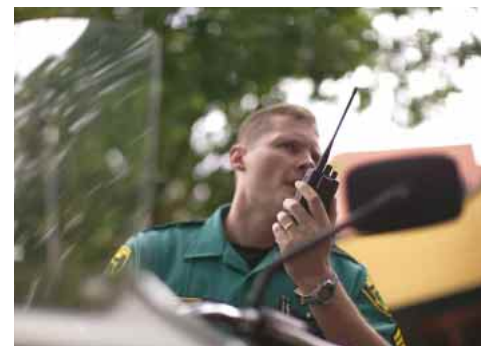
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