Kenwood’s compact TK-2207/3207 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, offering priority scan, built-in VOX, a voice scrambler and numerous other features. Plus you can count on reliable performance in all conditions, thanks to MIL-STD 810 & IP54/55 weatherproofing. Indoors or out, rain or shine, the smart new TK-2207/3207 is a star performer!

**COMPACT DESIGN**
The TK-2207/3207’s rounded ergonomic contours naturally fit the hand for a comfortable hold, while the non-slip elastomer channel knob with improved torque characteristics ensures positive select operation.

**PRIORITY SCAN & TALK BACK**
Scanning is a simple way to monitor multiple channels and the TK-2207/3207 (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.

**VOICE GUIDE**
A synthesized Voice Guide feature can automatically “read out” (in English) the selected channel number; it can also be used when scanning. 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 the optional KHS-21 or KHS-1 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).

**BUILT-IN VOICE SCRAMBLER**
A voice-inversion scrambler provides basic communications security against casual eavesdropping. It can also be used to ensure confidential communications with TK-2160/3160 transceivers.

**FleetSync™ PTT ID & SELCALL**
The TK-2207/3207 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 IDs for selective calling of groups or individual units.

**QT/DQT/DTMF**
The industry standard tone/code squelching formats QT and DQT 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-2207/3207, permitting a customized fit for specific users.

**OPTIMUM AUDIO**
Clear audio means confident communications. The TK-2207/3207 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.

**TOUGH & WATER RESISTANT**
Built tough to take rough treatment in stride, the TK-2207/3207 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-2207/3207 is ready to answer the call.

**OTHER FEATURES**
- Key Lock
- Wireless clone
- Selectable microphone sensitivity (2-level FPU set)
## Options

- **KNB-29N**: Ni-MH Battery Pack (1,500mAh)
- **KSC-31**: Rapid Charger (3H)
- **KRA-22**: VHF Low Profile Helical Antenna
- **KRA-23**: UHF Low Profile Helical Antenna
- **KMC-17**: Speaker Microphone
- **KMC-21**: Compact Speaker Microphone
- **KHS-1**: Head Set with VOX/PTT
- **KHS-21**: Head Set
- **KRA-26**: VHF Helical Antenna
- **KRA-27**: UHF Whip Antenna
- **KMC-21**: Compact Speaker Microphone
- **KWR-1**: Water Resistant Bag

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-2207**

### GENERAL
- **Frequency Range**
  - Type 1: 136-174 MHz
  - 450-480 MHz
- **Number of Channels**
  - 16
- **Channel Spacing**
  - Wide/Narrow: 25kHz/12.5kHz
- **Operating Voltage**
  - 7.5V DC ±20%
- **Battery Life** (5-5-90 duty cycle with battery saver off)
  - Approx. 14 hours
- **Operating Temperature Range**
  - -30°C ~ +60°C
  - -10°C ~ +60°C when KNB-29N in use
- **Frequency Stability**
  - ±2.5ppm (-30°C ~ +60°C)
- **Antenna Impedance**
  - 50Ω
- **Channel Frequency Spread**
  - Type 1: 38MHz
  - 40MHz
- **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
- **Weight (net)**
  - Radio Only: 160 g
  - with KNB-29N: 360g

**TK-3207**

### RECEIVER (Measurements made per TIA/EIA-603)
- **Sensitivity** (0.2dB SINAD)
  - Wide/Narrow: 0.25µV/0.28µV
- **Selectivity**
  - Wide/Narrow: 70dB/60dB
- **Intermodulation Distortion**
  - Wide/Narrow: 65dB/60dB
- **Spurious Response**
  - 65dB
- **Audio Output**
  - 50mW with less than 10% distortion

### TRANSMITTER (Measurements made per TIA/EIA-603)
- **RF Power Output**
  - High/Low: 5W/1W
- **Spurious Response**
  - 65dB
- **PM 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.

### Military Standards

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

KENWOOD CORPORATION
2967-3, Kikawa-machi, Hachioji-shi, Tokyo, 182-8525 Japan