

KENWOOD

Listen to the Future

COMPACT VHF/UHF FM Portable Radios



Sixteen RF Channels with
QT/DQT Tone Keys



Rock-Solid Aluminium
die-cast chassis design



Tested with military
standard



Automatic sleep mode to
conserve battery power


TK-2107/3107

The Primary Communicator

Rugged, fully featured and easy to handle, Kenwood's 16-channel TK-2107/3107 simply makes good business sense. Designed to meet tough MIL-STD 810 C/D/E specifications, this portable radio is extremely reliable — making it perfect for security, service industries and a wide range of commercial applications with simple yet demanding operational requirements. It even provides all the convenience of hands-free operation when used with the optional headset and microphone.




TK-2107/3107 Features




16
RF
CHANNELS

Sixteen RF Channels with QT/DQT Tone Keys
These compact and easy-to-use VHF/UHF portables are available with sixteen RF channels. Each RF channel can be assigned a Quiet Talk (QT) and Digital Quiet Talk (DQT) tone key to eliminate unwanted signals. This helps to minimise interference from other users, which means that audio will not be heard if your radio receives a signal with the incorrect tone key.




TOUGH
BODY

Rock-Solid Aluminium die-cast chassis design
The aluminium die-cast chassis, sealed case design, and SMA antenna connector can with-stand rough handling to enable these exceptionally rugged radios to provide years of reliable service.



MIL-STD
810

Tested with military standard
The TK-2107/3107 is your guarantee of absolute performance in demanding situations as it fully complies with MIL-STD 810 C/D/E standards for resistance to shock, vibration, humidity, dust, and light rain.



ZZzz..
Sleep
Mode

Automatic sleep mode to conserve battery power
This clever feature automatically puts the radio in "sleep" mode to conserve power when it has been in standby mode (no transmit or receive) for more than the preset limit.

Optional Accessories

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KNB-15A
Extended-life Rechargeable NiCd Battery (7.2 V, 1100 mAh)
- 

KSC-15
Regular Rate Single Unit Desktop Charger
- 

KSC-16
Rapid Rate Single Unit Desktop Charger
- 

KMC-17
Heavy-duty Speaker Microphone
- 

KMC-21
Compact Speaker Microphone
- 

KHS-1
Head Set with VOX/Ptt
- 

KBH-8
Spring-action Plastic Belt Clip
- 

KHS-1
Head Set with VOX/Ptt
- 

KBH-8
Spring-action Plastic Belt Clip
- 

KRA-14
VHF Helical Antenna
- 

KRA-15
UHF Whip Antenna

Additional TK-2107/3107 Features

- **Wide/Narrow Channel Bandwidth**
The TK-2107/3107 can be programmed for wide or narrow bandwidth, 12.5 or 25kHz, operation per channel to accommodate present and future channel allocations.
- **Time-Out Timer**
When the programmable, preset, continuous transmit limit is reached, the time-out timer automatically switches the TK-2107/3107 to receive operation. This can limit the transmission talk time of each unit to help reduce channel congestion and conserve battery power.
- **Two-Colour LED**
For added convenience, the two-colour LED indicator lights red for *transmit* and green for an *active channel*.
- **Low-Battery Alert**
The flashing red LED indicator warns you when the battery should be re-charged.

Specifications

	TK-2107	TK-3107
GENERAL		
Frequency range	150 ~ 174 MHz	450 ~ 470 MHz
Channels	16 channels	
Channel spacing Wide/Narrow	25 kHz/12.5 kHz	
PLL step	5 kHz, 6.25 kHz	
Battery voltage	7.5 V DC ± 20 %	
Battery life KNB-15A (1100 mAh)	More than 8 hours on 5-5-90 duty cycle	
Operating temperature range	-30° C ~ +60° C	
Frequency stability (-30° C ~ +60° C)	±0.0005 %	±0.00025 %
Antenna impedance	50 Ω	
Channel frequency spread	24 MHz	20 MHz
Dimensions (W x H x D) [projections not included]	58 x 125.5 x 35 mm with KNB-15A battery	
Weight (net)	380 g with KNB-15A battery, antenna and belt hook	

Kenwood follows a policy of continuous advancement in development.
For this reason specifications may be changed without notice.

	TK-2107	TK-3107
RECEIVER		
Sensitivity (12 dB SINAD) Wide/Narrow	0.25 μV/0.28 μV	
Selectivity Wide/Narrow	70 dB/60 dB	
Intermodulation distortion Wide/Narrow	65 dB/60 dB	
Spurious response	65 dB	60 dB
Audio output	500 mW with less than 10% distortion	
TRANSMITTER		
RF power output	5 W	4 W
Spurious response	65 dB	
Modulation Wide/Narrow	16K0F3E/11K0F3E	
FM noise Wide/Narrow	45 dB/40 dB	
Audio distortion Wide/Narrow	Less than 5%	