

# KENWOOD

Compact VHF/UHF FM Portable Radios

## TK-2107/3107



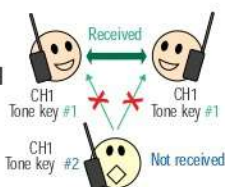
### *The Primary Communicator*

Rugged, fully featured, easy to handle, and reasonably priced: Kenwood's TK-2107/3107 simply makes good business sense. Designed to meet tough MIL-STD 810 C/D/E specifications, this handy radio is extremely reliable — making it perfect for service industries and inventory control operations. It even provides all the convenience of hands-free operation when used with the optional headset and microphone.

## TK-2107/3107 Features

### Sixteen RF Channels & 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 as audio will not be heard if your radio receives a signal with the incorrect tone key.



### Rock-Solid Design

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



Military Environmental Standards	MIL-STD 810C	MIL-STD 810D	MIL-STD 810E
Light Rain	506.1/Proc. II	506.2/Proc. II	506.3/Proc. II
Humidity	507.1/Proc. II	507.2/Proc. II	507.3/Proc. II
Dust	510.1/Proc. I	510.2/Proc. I	510.3/Proc. I
Vibration	514.2/Proc. VIII, X	514.3/Proc. I	514.3/Proc. I
Shock	516.2/Proc. I, II, V	516.3/Proc. I, IV	516.4/Proc. I, IV

### Wide/Narrow Channel Bandwidth

The TK-2107/3107 can be programmed for wide or narrow bandwidth operation per radio to accommodate all present and future channel allocations.

### Time-Out Timer

When the preset continuous transmit limit is reached, the time-out timer automatically switches the TK-2107/3107 to receive operation. This limits the transmission talk time of each unit to help reduce channel congestion and conserve battery power.

### Battery-Saver

This 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 time limit.

### 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.



## Optional Accessories

**KNB-14**  
Standard Rechargeable NiCd Battery (7.2 V, 600 mAh)



**KSC-15**  
Regular Rate Single Unit Desktop Charger



**KMC-17**  
Heavy-duty Speaker Microphone



**KBH-8**  
Spring-action Plastic Belt Clip



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



**KSC-16**  
Rapid Rate Single Unit Desktop Charger



**KMC-21**  
Compact Speaker Microphone



**KWR-1**  
Water-resistant Bag



**KBP-1**  
AA Alkaline Battery Pack (holds 6 AA cells; not included)



**KSC-21R**  
Conditioning Rapid Charger (charges battery only)



**KHS-1**  
Headset with VOX/PTT



**KRA-14**  
VHF Helical Antenna



**KRA-15**  
UHF Whip Antenna



Certain accessories may not be available in all markets.

## Specifications

	TK-2107	TK-3107
<b>GENERAL</b>		
Frequency range Type 1 Type 2 Type 4	150 - 174 MHz 136 - 150 MHz	450 - 470 MHz 400 - 420 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 $\pm$ 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)	$\pm$ 0.0005%	$\pm$ 0.00025%
Antenna impedance	50 $\Omega$	
Channel frequency spread Type 1 Type 2 Type 4	24 MHz 14 MHz	20 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	

	TK-2107	TK-3107
<b>RECEIVER</b>		
Sensitivity (12 dB SINAD) Wide/Narrow	0.25 $\mu$ V/0.28 $\mu$ V	
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	
<b>TRANSMITTER</b>		
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%	

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

### AUTHORIZED DEALER

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