



## TK-2207

Compact VHF FM 5-WATT Radio

FleetSync<sup>®</sup>  
by KENWOOD

KENWOOD's TK-2207 portable radio delivers professional performance, enhanced features such as scan, built-in VOX, a long battery life, as well as a sleek design. Offering 5 watts of power and MIL-STD810 & IP54/55 weatherproofing, this radio has been expertly engineered to perform in the toughest of environments.

### COMPACT DESIGN

The rounded contours of the TK-2207 provides a superbly comfortable grip, while the non-slip elastomer channel knob with improved torque characteristics and an enlarged PTT button ensure positive tactile response during operation.

### TOUGH & WATER RESISTANT

Built to perform in the toughest environments, the TK-2207 has passed the demanding IP54/55 dust and water intrusion tests – both with and without an optional speaker microphone. It also meets or exceeds 11 stringent MIL-STD 810 C/D/E/F/G environmental standards, including "driven rain".

### ENHANCED AUDIO QUALITY

As an experienced audio specialist, KENWOOD has drawn on decades of expertise to ensure that the sound quality of TK-2207 is undeniably clearer and crisper, as well as loud – thanks to the 36mm-diameter speaker, which delivers up to 1 watt audio output.

### MULTIPLE SIGNALING

- QT / DQT / DTMF • FleetSync<sup>®</sup> PTT ID, SelCall
- 2-tone (encode/decode) • 5-tone (encode/decode)
- Built-in MDC-1200 signaling

FleetSync<sup>®</sup> and MDC-1200 signaling can be independently selected for each zone. Switching is as simple as changing zones.

### 16 CHANNELS

The TK-2207 provides ample capacity for operating with multiple channels or radio systems, as well as a Channel Stopper option to provide guidance in selecting the intended channel.

### 2 PROGRAMMABLE FUNCTION KEYS

Both PF Keys can be programmed for any of the many functions available, permitting customization to suit your specific requirements. Either key can also be programmed for an Emergency function.

### LONE WORKER

This ingenious feature provides an extra layer of security for individuals who work in remote or hazardous areas. As long as the buttons are pressed regularly, the radio operates normally. However, if there is a long lapse (programmable), it will sound an alert. And if the user does not respond to the alert, the TK-2207 will place an emergency call to a predetermined person or group.

### RADIO STUN

This function disables a lost or stolen radio over the air, eliminating security risks.

### INDEPENDENT SETTINGS PER CHANNEL (VOX, COMPANDER, SCRAMBLER)

Radio channels can be programmed independently for VOX, scrambler and compander functions. This means a user can switch a function on or off simply by changing channels (on the same frequency).

### BUILT-IN VOICE SCRAMBLER\*

This feature provides basic protection against casual eavesdropping. Up to 16 of 2097 possible inversion frequencies can be chosen and assigned to any channel.

\*This function cannot be used in certain countries/regions. Please contact your KENWOOD dealer for further information.

### GPS CONNECTIVITY

The KMC-48GPS Speaker Microphone provides an option for GPS tracking.

### OTHER FEATURES

- Priority Scan • Voice Annunciation • Password Protection • Talk Around • Busy Channel Lockout
- Key Lock • 4-color LEDs (blue, red, orange, green)
- Scan Del/Add • Wireless Cloning • KENWOOD ESN (Electronic Serial Number) • Adjustable Microphone Gain (by FPU): High or Normal • Microsoft Windows<sup>®</sup> PC Programming & Tuning

## Options

### ■ KNB-29N

Ni-MH Battery Pack (1,500mAh)



### ■ KNB-45L

2,000mAh/7.4V Li-Ion Battery Pack



### ■ KNB-69L

2,550mAh/7.4V High Capacity Li-Ion Battery Pack



### ■ KSC-31

Fast Charger For the KNB-29N (3-Hour)



### ■ KSC-35S

Fast Charger For the KNB-45L (3-Hour)



### ■ KSC-43

Dual Chemical Charger For the KNB-29N/45L/69L



### ■ KRA-22

VHF Low Profile Helical Antenna



### ■ KRA-26

VHF Helical Antenna



### ■ KRA-41

VHF Stubby Antenna



### ■ KMC-45

Speaker Microphone



### ■ KMC-48GPS

GPS Speaker Microphone



### ■ KMC-21

Compact Speaker Microphone



### ■ KEP-2

Earphone Kit for KMC-45 (2.5mm plug)



### ■ KHS-7

Single Muff Headset



### ■ KHS-7A

Single Muff Headset with In-line PTT



### ■ KHS-8BL

2-wire Palm Mic with Earphone (Black)



### ■ KHS-9BL

3-wire Lapel Mic with Earphone (Black)



### ■ KHS-22

Behind-the-head Headset with PTT



### ■ KHS-23

2-wire Palm Mic



### ■ KHS-25

D-Ring Ear Hanger with PTT & Boom Mic



### ■ KHS-26

Earbud In-line PTT Headset



### ■ KHS-27

D-Ring In-line PTT Headset



### ■ KBH-10

Belt Clip



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

MODEL	TK-2207
<b>GENERAL</b>	
Frequency Range	M 136-174MHz
Number of Channels	16ch
Channel Spacing	Wide / Narrow 25kHz / 12.5kHz
Operating Voltage	7.5V DC ± 20%
Battery Life (5-5-90, battery saver OFF)	
	KNB-45L More than 12 hours
	KNB-29N More than 9 hours
	KNB-69L More than 16 hours
Operating Temperature Range*	-30°C ~ +60°C
Frequency Stability	± 2.5 ppm (-30°C ~ +60°C)
Antenna Impedance	50 Ω
Dimensions (W x H x D), Weight	
	Radio only 54 x 122 x 33.7mm, 165g
	with KNB-45L 54 x 122 x 33.7mm, 281g
	with KNB-29N 54 x 122 x 33.7mm, 365g
	with KNB-69L 54 x 122 x 37.8mm, 305g

\*Operating temperature range of the KNB-29N/45L/69L: -10°C ~ +60°C

MODEL	TK-2207
<b>RECEIVER (Measurements made per TIA/EIA-603)</b>	
Sensitivity (12dB SINAD)	Wide / Narrow 0.25µV / 0.28µV
Adjacent CH Selectivity	Wide / Narrow 70dB / 60dB
Intermodulation Distortion	Wide / Narrow 70dB / 60dB
Spurious Response	70dB
Audio Distortion	Less than 10%
Audio Output	1 W / 12Ω (Internal Speaker) 500 mW / 8Ω (External Output)
<b>TRANSMITTER (Measurements made per TIA/EIA-603)</b>	
RF Power Output	5 / 1W
Spurious Response	70dB
FM Hum & Noise	Wide / Narrow 45dB / 40dB
Audio Distortion	Less than 5%
Modulation (Wide / Narrow)	16K0F3E, 11K0F3E

Specifications shown are typical.

Specifications are subject to change without notice, due to advancements in technology.

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## Applicable MIL-STD & IP

MIL-STD	Method / Procedures				
	810C	810D	810E	810F	810G
Low Pressure	500.1/Proc I	500.2/Proc I, II	500.3/Proc I, II	500.4/Proc I, II	500.5/Proc I, II
High Temperature	501.1/Proc I, II	501.2/Proc I, II	501.3/Proc I, II	501.4/Proc I, II	501.5/Proc I, II
Low Temperature	502.1/Proc I	502.2/Proc I, II	502.3/Proc I, II	502.4/Proc I, II	502.5/Proc I, II
Temperature Shock	503.1/Proc I	503.2/Proc I	503.3/Proc I	503.4/Proc I, II	503.5/Proc I
Solar Radiation	505.1/Proc I	505.2/Proc I	505.3/Proc I	505.4/Proc I	505.5/Proc I
Rain	506.1/Proc I, II	506.2/Proc I, II	506.3/Proc I, II	506.4/Proc I, III	506.5/Proc I, III
Humidity	507.1/Proc I, II	507.2/Proc II, III	507.3/Proc II, III	507.4	507.5/Proc II
Salt Fog	509.1/Proc I	509.2/Proc I	509.3/Proc I	509.4	509.5
Dust	510.1/Proc I	510.2/Proc I	510.3/Proc I	510.4/Proc I, III	510.5/Proc I
Vibration	514.2/Proc VIII, X	514.3/Proc I	514.4/Proc I	514.5/Proc I	514.6/Proc I
Shock	516.2/Proc I, II, V	516.3/Proc I, IV	516.4/Proc I, IV	516.5/Proc I, IV	516.6/Proc I, IV
<b>International Protection Standard</b>					
Dust & Water protection	IP54/55				

To meet IP54/55 & Rain, the 2-pin connector cover has to be connected on the radio, or the locking bracket has to be attached to the KMC-45 external speaker microphone.

## ACCESSORIES INCLUDED

- KBH-10 Spring Action Belt Clip
- Channel Stopper

# JVCKENWOOD Marketing India Private Limited

B-1, City View Enterprises, S.C.O.-61, Sector-29  
Leisere Valley, Gurgaon-122002, Haryana, India  
www.in.jvckenwood.com



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