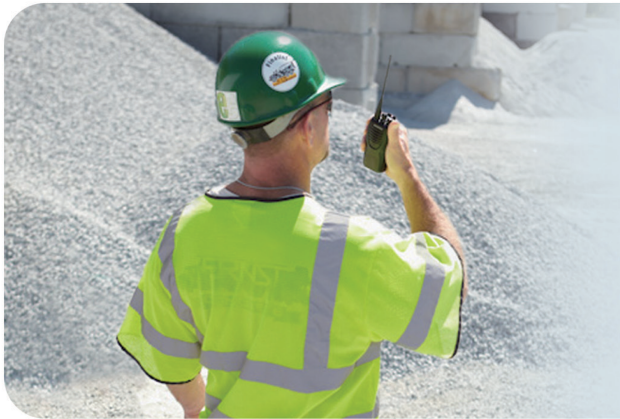




TK-2407/3407

Compact VHF/UHF FM 5-WATT Radios

FleetSync®
by KENWOOD

KENWOOD's TK-2407/3407 portable radios deliver 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, these portables have been expertly engineered to perform in the toughest of environments.

COMPACT DESIGN

The rounded contours of the TK-2407/3407 provide 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-2407/3407 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-2407/3407 is undeniably clearer and crisper, as well as loud – thanks to the 36mm-diameter speaker, which delivers up to 1 watt audio output.

ULTIMATE PERFORMANCE

Output Power is 5W for both VHF (TK-2407) and UHF (TK-3407). Additionally, the UHF frequency coverage on the TK-3407 is 70MHz.

MULTIPLE SIGNALING

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

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

16 CHANNELS

The TK-2407/3407 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-2407/3407 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).

GPS CONNECTIVITY

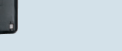
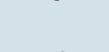
The KMC-48GPS Speaker Microphone provides an option for GPS tracking.

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® PC Programming & Tuning



Options

- **KNB-53N**
Ni-MH Battery
Pack (1,400mAh) 
- **KNB-29N**
Ni-MH Battery
Pack (1,500mAh) 
- **KNB-45L**
2,000mAh/7.4V
Li-Ion Battery Pack 
- **KSC-43**
Dual Chemistry Charger
For the KNB-53N/29N/45L 
- **KSC-35S**
Single Chemistry Charger
For the KNB-45L (3-Hour) 
- **KMB-35**
Multi Charger Adapter
(Requires KSC-35SCR pockets) 
- **KRA-41/42**
VHF/UHF Stubby
Antenna 
- **KRA-22/23**
VHF/UHF Low Profile
Helical Antenna 
- **KRA-26/27**
VHF Helical/UHF Whip
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-27**
D-Ring In-line PTT
Headset 
- **KBH-10**
Belt Clip 
- **KLH-187**
Nylon Case 
- **KLH-131PC**
Leather Case 

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-2407	TK-3407
GENERAL		
Frequency Range	M M2	136-174MHz 400-470MHz
Number of Channels	16ch	
Channel Spacing	Wide / Narrow	25kHz / 12.5kHz
Operating Voltage	7.5V DC $\pm$ 20%	
Battery Life (5-5-90, battery saver OFF)		
	KNB-45L	More than 12 hours
	KNB-29N	More than 9 hours
	KNB-53N	More than 10 hours
Operating Temperature Range*	-30°C ~ +60°C	
Frequency Stability	$\pm$ 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-53N/29N	54 x 122 x 33.7mm, 365g

*Operating temperature range of the KNB-29N/45I: $-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$

MODEL	TK-2407	TK-3407
RECEIVER (Measurements made per TIA/EIA-603)		
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)
TRANSMITTER (Measurements made per TIA/EIA-603)		
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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Windows® is a registered trademark of Microsoft Corporation in the United States and other countries.

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
International Protection Standard					
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 KQ-45 external speaker microphone.

ACCESSORIES INCLUDED

- KBH-10 Spring Action Belt Clip
- Channel Stopper

Note: Exclude Antenna, Battery and Charger. Order selected Antenna, Battery and Charger separately.

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