



TK-2406/3406

Compact VHF/UHF FM 5-WATT Radios

FleetSync®
by KENWOOD

KENWOOD's TK-2406/3406 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-STD 810 & IP54/55 weatherproofing, these portables have been expertly engineered to perform in the toughest of environments.

COMPACT DESIGN

The rounded contours of the TK-2406/3406 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-2406/3406 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-2406/3406 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-2406) and UHF (TK-3406). Additionally, the UHF frequency coverage on the TK-3406 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-2406/3406 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 customisation 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-2406/3406 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.

READY FOR ACTION

In addition to the radio itself, the TK-2406/3406 comes supplied with essential accessories including rechargeable battery, battery charger, and a handy belt-clip. Add an antenna and it's ready for use.*

*Refer to the accessories list for a variety of available antennas. Order a selection of antenna separately.

OTHER FEATURES

- Priority Scan • Voice Annunciation • Password Protection • Talk Around • Busy Channel Lockout
- Key Lock • 4-colour 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)	■ KMB-35 Multi Charger Adapter (Requires KSC-35SCR pockets)	■ KMC-48GPS GPS Speaker Microphone	■ KHS-9BL 3-wire Lapel Mic with Earphone (Black)
■ KNB-29N Ni-MH Battery Pack (1,500mAh)	■ KRA-41/42 VHF/UHF Stubby Antenna	■ KMC-21 Compact Speaker Microphone	■ KHS-22 Behind-the-head Headset with PTT
■ KNB-45L 2,000mAh/7.4V Li-Ion Battery Pack	■ KRA-22/23 VHF/UHF Low Profile Helical Antenna	■ KEP-2 Earphone Kit for KMC-45 (2.5mm plug)	■ KHS-27 D-Ring In-line PTT Headset
■ KSC-43 Dual Chemistry Charger For the KNB-53N/29N/45L	■ KRA-26/27 VHF Helical/UHF Whip Antenna	■ KHS-7 Single Muff Headset	■ KBH-10 Belt Clip
■ KSC-35S Single Chemistry Charger For the KNB-45L (3-Hour)	■ KMC-45 Speaker Microphone	■ KHS-7A Single Muff Headset with In-line PTT	■ KLH-187 Nylon Case
		■ KHS-8BL 2-wire Palm Mic with Earphone (Black)	■ KLH-131PC Leather Case

Specifications

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.

MODEL	TK-2406	TK-3406
GENERAL		
Frequency Range	M 136-174MHz M2 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-53N More than 10 hours KNB-29N More than 9 hours KNB-45L More than 12 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-53N/29N 54 x 122 x 33.7mm, 365g with KNB-45L 54 x 122 x 33.7mm, 281g	

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

MODEL	TK-2406	TK-3406
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 KMC-45 external speaker microphone.

ACCESSORIES INCLUDED

- KBH-10 Spring Action Belt Clip
- Channel Stopper
- KNB-53N Ni-MH Battery
- KSC-43 Rapid Charger

Note: Exclude Antenna. Order selected Antenna separately.

Kenwood Electronics U.K. Ltd.

Kenwood House, Dwight Road, Watford, Herts, WD18 9EB, United Kingdom

www.kenwood-electronics.co.uk



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