KENWOOD

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TK-2402/3402

Compact VHF/UHF FM 5-Watt Portable Radios

FleetSync[®]

GENERAL FEATURES

- 5 W (136-174 MHz) VHF
- 5 W (450-520, 400-470 MHz) UHF
- 16 Channels
- Single Priority / Normal Scan
- Transmit / Busy / Call Alert Scan / Warn LED
- 4-Color LED (Blue/Red/Green/Orange)
- 2 PF Keys
- 1.0 W Speaker Audio
- Enhanced Kenwood Audio
- Companded Audio (per CH)
- Voice Annunciation
- VOX Ready
- Voice Inversion Scrambler Built-in
- 16 Scrambler Codes (per CH)
- Emergency Call Features
- Lone Worker Alert (per CH)
- QT / DQT
- Two-Tone Decode¹
- Single / Two-Tone Encode¹
- DTMF Encode / Decode²
- Special Alert Tone Pattern³
- Time Out Timer
- Busy Channel Lockout
- Low Battery Warning
- Battery Saver

- Windows[®] Programming & Tuning^₄
- Wireless Cloning
- Password Protection
- MIL-STD-810 C/D/E/F/G
- IP-54/55 Water & Dust Intrusion

FleetSync[®]

- PTT ID Digital ANI
- Selective Call & Group Call^₅
- Paging Call
- Emergency Status
- Send GPS Data (KMC-48GPS)

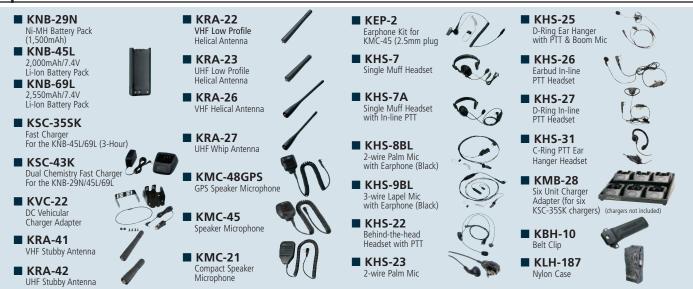
MDC-1200

- PTT ID Digital ANI
- Emergency Status
- Radio Check
- Radio Inhibit

ACCESSORIES INCLUDED

- KNB-45L Li-lon Battery
- KSC-35K 3-Hour Fast Charger
- KBH-10 Spring Action Belt Clip
- Removable Antenna

Options



Model

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.

TK-2402

TK-3402

Specifications

Model	TK-2402 TK-3402		
GENERAL			
Frequency Range			
Type 1	136-174 MHz	450-520 MHz	
Type 2	-	400-470 MHz	
Number of Channels	16		
Channel Spacing			
Wide/Narrow	25 kHz*/12.5 kHz		
Operating Voltage	7.5V DC±20%		
Battery Life (5-5-90 during hi-po	wer battery saver: OFF/0	ON)	
with KNB-45L (2000mAh)	More than	12 / 18 hours	
Operating Temperature Range*	-22°F ~ +140	°F (-30°C ~ +60°C)	
Frequency Stability	±2.5 ppm (-	30°C ~ +60°C)	
Antenna Impedance	51	Ο Ω	
Dimensions (W x H x D), Projection	ons not included		
with KNB-45L	2.13 x 4.8 x 1.32 inc	ch (54 x 122 x 33.7 mm)	
Weight (Net)			
Radio Only	5.8oz (165g)		
with KNB-45L	9.9oz (281g)		
FCC ID			
Type 1	ALH434900	ALH435000	
Type 2	-	ALH435001	

*-14°F ~ +140°F (-10°C ~ +60°C) When KNB-29N/45L is in use

**25kHz is not for sale in the USA or US territories.

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

FleetSync® is a registered trademark of JVCKENWOOD Corporation. Windows® is a registered trademark of Microsoft Corporation in the United States and other countries.

Applicable MIL-STD & IP

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

Dust & Water Protection IP54/55*

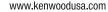
*To meet IP54/55, the 2-pin connector cover has to be connected on the radio or the locking bracket has to be attached to the KMC-45 external speaker microphone.



Kenwood U.S.A. Corporation

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ISO9001 Registered

ADS#07013 Printed in USA

Sensitivity (12dB SINAD)			
Wide/Narrow	0.25µV/0.28µV		
Selectivity			
Wide/Narrow	70dB/60dB		
Intermodulation Distortion			
Wide/Narrow	70dB/60dB		
Spurious Response	70 dB		
Audio Distortion	less than 10% distortion 1 W / 12 Ω (Internal Speaker)		
Audio Output	1 W / 12 Ω (Internal Speaker)		
	500mW / 8 Ω (External Speaker)		
TRANSMITTER (Measurement	s made per TIA/EIA-603)		
RF Power Output			
High/Low	5W/1W		
Spurious Response	70 dB		
FM Hum & Noise			
Wide/Narrow	45/40dB		
Audio Distortion	Less than 5%		
Type of Emission			
Wide/Narrow	16KØF3E**/11KØF3E		

Two-Tone Decode (3 sets x2 pairs each): Single / Two-Tone Encode (1 tone). ² DTMF Encode: PT ID, Emergency ANI, Auto-Dial (8 numbers); DTMF Decode: Selective Call (10-digit ID Code, Group Codes; A, B, C, D, & Wild Card characters),

and Radio Stun.

³ Special Alert Tone Pattern operates for 2-Tone, DTMF, FleetSync®selective call decode.
⁴ KPG-159DN required: Windows®XP / Vsta / 7 compatible.
⁵ ID List capacity: 8 ID's; 10 Group ID's; Status 1 & 2 (10–99).