

# KENWOOD



## TK-2402/3402

Compact VHF/UHF FM Portable Radios

**FleetSync®**

### GENERAL FEATURES

- 5W (136-174 MHz) VHF
- 5W (450-520, 400-470 MHz) UHF
- 16 Channels
- Single Priority/Normal Scan
- Transmit/Busy/Call Alert/Warn LED
- 4-Color LED
- 2 PF Keys
- 1.0 W Speaker Audio
- Enhanced Kenwood Audio
- Companded Audio (per CH)
- Voice Announcement
- VOX Ready
- Voice Inversion Scrambler Built-in
- 16 Scrambler Codes (per CH)
- Emergency Call Features
- Lone Worker Alert
- QT / DQT
- Two-Tone Decode
- Single / Two-Tone Encode
- DTMF Encode / Decode
- FleetSync / MDC-1200
- Time Out Timer
- Busy Channel Lockout
- Low Battery Warning
- Battery Saver
- Windows Programming & Tuning
- 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
- Emergency Status
- Send GPS Data (KMC-48GPS)
- PTT ID & Emergency GPS Reporting

### MDC-1200

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

### Supplied Accessories

- KNB-45L (Li-ion 2000mAh)
- KSC-35S (Fast Charger)
- KRA-26 (VHF Helical Antenna) or KRA-27 (UHF Whip Antenna)
- KBH-10 (Belt Clip)
- Speaker/Microphone jack cover
- Speaker/Microphone locking bracket



## Options

- **KNB-45L**

Li-ion Battery Pack  
(2000 mAh)



- **KSC-35S**

Fast Charger (3-Hour)



- **KRA-22/23**

Stubby Antenna



- **KRA-26/27**

Helical / Whip Antenna



- **KMC-48GPS**

GPS Speaker Microphone



- **KMC-45**

Speaker Microphone



- **KEP-2**

Earphone Kit



- **KHS-26**

Earbud In-line PTT Headset



- **KHS-27**

D-Ring In-line PTT Headset



- **KHS-31**

C-Ring In-line PTT Headset



- **KMB-28**

Six Unit Charger Adapter



- **KBH-10**

Belt Clip



- **KLH-187**

Nylon Case



## Specifications

GENERAL	TK-2402	TK-3402
Frequency Range	136-174 MHz	450-520 MHz 400-470 MHz
Type 1 Type 2		
Number of Channels	16 ch	
Channel Spacing	25 kHz / 12.5 kHz	
Wide/Narrow		
Operating Voltage	7.5V DC +/- 20%	
Battery Life (5-5-90)	Battery Save OFF more than 12 hours	
KNB-45L(2000)		
Operating Temperature Range	-30°C to +60°C	
Frequency Stability	+/- 2.5 ppm	
Antenna Impedance	50 Ω	
Dimensions (WHD), Weight	Projections not included	
Radio only	54 x 122 x 33.7 mm (160g)	
with KNB-45L	54 x 122 x 33.7 mm (280g)	

RECEIVER	TK-2402	TK-3402
Sensitivity (12dB SINAD)	0.25μV / 0.28 μV	
Wide/Narrow		
Adjacent CH Selectivity	70dB / 60dB	
Wide/Narrow		
Intermodulation Distortion	70 dB / 60dB	
Wide/Narrow		
Spurious Response	70 dB	
Audio Distortion	Less than 10%	
Audio Output	1 W / 12Ω (Internal Speaker) 500 mW / 8Ω (External Output)	
TRANSMITTER	EX-4349	EX-4350
RF Power Output	5 / 1W	
Spurious Response	70dB	
FM Hum & Noise	45 dB / 40 dB	
Wide/Narrow		
Audio Distortion	Less than 5%	
Modulation	16K0F3E, 11K0F3E	

## Applicable MIL-STD & IP

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

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