

KENWOOD

Listen to the Future



TK-2202LV/3202LU

Compact VHF/UHF FM Portable Radios

FleetSync[®]
by KENWOOD

GENERAL FEATURES

- 5 W (136-174 MHz) VHF
- 4 W (450-490 MHz) UHF
- 16 Channels
- Single Priority / Normal Scan
- Transmit / Busy / Call Alert / Scan / Warn LED
- 2 PF Keys
- 500 mW Speaker Audio
- Enhanced Kenwood Audio
- Companded Audio
- Voice Annunciation
- VOX Ready
- Voice Inversion Scrambler Built-in
- QT / DQT
- DTMF Encode / Decode¹
- Time Out Timer

- Busy Channel Lockout
- Low Battery Warning
- Battery Saver
- Windows[®] Programming & Tuning²
- MIL-STD-810 C/D/E/F
- IP-54/55 Water & Dust Intrusion

FleetSync[®]

- PTT ID Digital ANI
- Selective Call³

ACCESSORIES INCLUDED

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



<ul style="list-style-type: none"> KNB-45L 2,000 mAh/7.4V Li-Ion Battery Pack KSC-35K Fast Charger For the KNB-45L (3-Hour) KRA-22 VHF Low Profile Helical Antenna KRA-23 UHF Low Profile Helical Antenna KRA-26 VHF Helical Antenna KRA-27 UHF Whip Antenna 	<ul style="list-style-type: none"> KRA-16 VHF Stubby Antenna KRA-17 UHF Stubby Antenna KMC-17 Speaker Microphone KMC-21 Compact Speaker Microphone KEP-2 Earphone Kit for KMC-17/21 (2.5mm plug) KHS-7 Single Muff Headset 	<ul style="list-style-type: none"> KHS-7A Single Muff Headset with In-line PTT KHS-8BL 2-wire Palm Mic with Earphone (Black) KHS-8BE 2-wire Palm Mic with Earphone (Beige) KHS-22 Behind-the-head Headset with PTT EMC-3 Clip Microphone with Earphone 	<ul style="list-style-type: none"> HMC-3 Headset with PTT Built-in Vox KHS-23 2-wire Palm Mic KMB-25 Six Unit Charger Adapter (for six KSC-35K chargers; chargers not included) KBH-10 Belt Clip KWR-1 Water Resistance Bag KLH-126 Nylon Case
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Specifications

	TK-2202LV	TK-3202LU
GENERAL		
Frequency Range		
Type 1	136-174 MHz	450-490 MHz
Number of Channels		16
Channel Spacing		
Wide/Narrow	25, 30 kHz/12.5, 15 kHz	25 kHz/12.5 kHz
Channel Step	2.5, 5, 6.25, 7.5 kHz	5, 6.25 kHz
Operating Voltage	7.5V DC ±20%	
Battery Life (5-5-90 duty cycle with battery saver on)	Approx. 18 hours	
with KNB-45L (2000mAh)	-30°C ~ +60°C	
Operating Temperature Range	±2.5ppm (-22°C ~ +140°C)	
Frequency Stability	50 Ω	
Antenna Impedance		
Channel Frequency Spread		
Type 1	38 MHz	40 MHz
Dimensions (W x H x D), Projections not included		
Radio Only	2.13" x 4.8" x 0.83" (54x122x21.1 mm)	
with KNB-45L	2.13" x 4.8" x 1.30" (54x122x33 mm)	
Weight (Net)		
Radio Only	5.6oz (160g)	
with KNB-45L	9.9oz (280g)	
FCC ID		
Type 1	ALH36913210	ALH36923210
IC Certification		
Type 1	282D-36913210	282D-36923210

	TK-2202LV	TK-3202LU
RECEIVER (Measurements made per TIA/EIA-603)		
Sensitivity (12dB SINAD)		
Wide		0.25 µV
Narrow		0.28 µV
Selectivity		
Wide		70 dB
Narrow		60 dB
Intermodulation Distortion		
Wide		65 dB
Narrow		60 dB
Spurious Response	65 dB	60 dB
Audio Output	500mW with less than 10% distortion	
TRANSMITTER (Measurements made per TIA/EIA-603)		
RF Power Output		
High	5 W	4 W
Low	1 W	1 W
Spurious Response	65 dB	
Modulation		
Wide	16KØF3E	
Narrow	11KØF3E	
FM Noise		
Wide	45 dB	
Narrow	40 dB	
Audio Distortion	Less than 5%	

Standard	MIL 810C Methods/Procedures	MIL 810D Methods/Procedures	MIL 810E Methods/Procedures	MIL 810F Methods/Procedures
Low Pressure	500.1/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	500.4/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
Low Temperature	502.1/Procedure I	502.2/Procedure I, II	502.3/Procedure I, II	502.4/Procedure I, II
Temperature Shock	503.1/Procedure I	503.2/Procedure I	503.3/Procedure I	503.4/Procedure I, II
Solar Radiation	505.1/Procedure I	505.2/Procedure I	505.3/Procedure I	505.4/Procedure I
Rain	506.1/Procedure I, II	506.2/Procedure I, II	506.3/Procedure I, II	506.4/Procedure I, III
Humidity	507.1/Procedure I, II	507.2/Procedure II, III	507.3/Procedure II, III	507.4
Salt Fog	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4
Dust	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I	510.4/Procedure I, III
Vibration	514.2/Procedure VIII, X	514.3/Procedure I	514.4/Procedure I	514.5/Procedure I
Shock	516.2/Procedure I, II, V	516.3/Procedure I, IV	516.4/Procedure I, IV	516.5/Procedure I, IV
International Protection Standard				
Dust & Water Protection	IP54/55			

Footnotes from front:

¹ DTMF Encode: PTT ID, Auto-Dial (8 numbers); DTMF Decode: Code Squelch (3-10 digit), Group Codes A, B, C, D & Wild Card characters) and radio Stun.

² KPG-87D (version 2.3) required: Windows®98/ 2000/ Me/XP compatible.

³ ID List capacity: 8 ID's.

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