

KENWOOD

Listen to the Future



TK-2200L/3200L

Compact VHF/UHF FM Portable Radios

FleetSync[®]
by KENWOOD



GENERAL FEATURES

- 2 W (150-174 MHz) VHF
- 2 W (450-470 MHz) UHF
- 2, 8 & 15* Channel Models
- Single Priority / Normal Scan
- Transmit / Busy / Call Alert / Scan / Warn LED
- 2 PF Keys
- Super Lock (Manager Key Lock)
- 500 mW Speaker Audio
- Enhanced Kenwood Audio
- Companded Audio
- Voice Annunciation
- VOX Ready
- Voice Inversion Scrambler Built-in
- QT / DQT
- DTMF Encode / Decode¹
- 8 Call Alerting Tones²
- Channel Confirmation Mode^{**}

- Time Out Timer
- Busy Channel Lockout
- Low Battery Warning
- Battery Saver
- Windows[®] Programming & Tuning³
- Wireless Cloning
- MIL-STD-810 C/D/E/F
- IP-54/55 Water & Dust Intrusion

FleetSync[®]

- PTT ID Digital ANI
- Selective Call⁴

ACCESSORIES INCLUDED

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

*15 channel model is available in UHF only.

**15 channel model only.

Options

<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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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-2200L VHF	TK-3200L UHF
GENERAL		
Frequency Range	150-174 MHz	450-470 MHz
Number of Channels		
K Type	2	2
K2 Type	8	-
K3 Type	-	15
Channel Spacing		
Wide/Narrow	25, 30kHz/12.5, 15kHz	25kHz/12.5kHz
Channel Step	2.5, 5, 6.25, 7.5kHz	5, 6.25kHz
Operating Voltage	7.5V DC±20%	
Battery Life (5-5-90 duty cycle) with KNB-45L (2000mAh)	17 hours (Battery Saver Off) 22 hours (Battery Saver On)	
Operating Temperature Range	-22°F ~ +140°F (-30°C ~ +60°C)	
Frequency Stability	±2.5ppm (-22°F ~ +140°F)	
Antenna Impedance	50 Ω	
Channel Frequency Spread	24MHz	20MHz
Dimensions (W x H x D), Projections not Included		
Radio Only	2.13" x 4.8" x 0.83" (54 x 122 x 21.1mm)	
with KNB-45L	2.13" x 4.8" x 1.30" (54 x 122 x 33mm)	
Weight (net)		
Radio Only	5.6oz (160g)	
with KNB-45L	9.9oz (280g)	
FCC ID	ALH36913120	ALH36923130
FCC Compliance	Parts 22/74/90	Parts 90/95

Model	TK-2200L VHF	TK-3200L UHF
RECEIVER (Measurements made per TIA/EIA-603)		
Sensitivity (12dB SINAD)		
Wide/Narrow	0.25µV/0.28µV	
Selectivity		
Wide/Narrow	70dB/60dB	
Intermodulation Distortion		
Wide/Narrow	65dB/60dB	
Spurious Response	65dB	60dB
Audio Output	500mV with less than 10% distortion	
TRANSMITTER (Measurements made per TIA/EIA-603)		
RF Power Output		
High/Low	2W/1W	2W/1W
Spurious Response	65dB	
Modulation		
Wide/Narrow	16K0F3E/11K0F3E	
FM Noise		
Wide/Narrow	45/40dB	
Audio Distortion	Less than 5%	

Kenwood follows a policy of continuous advancement in development.
For this reason specifications may be changed without notice.

FleetSync® is a registered trademark of Kenwood Corporation.
All other trademarks are property of their respective owners.

Applicable MIL-STD & IP

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 I, III	507.3/Procedure I, 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			

*To meet MIL 810 and IP grade, the 2-pin connector cover has to be connected.

Footnotes from front:

- 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.
- Call Alerting Tones: operates for DTMF & FleetSync selective call decode only (8 factory pre-set ring patterns).
- KPG-88D (version 2.0) required: Windows®98/ 2000/ Me/XP compatible; programs TK-2200/3200 ProTalk® models.
- ID List capacity: 8 ID's.

KENWOOD

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