

KENWOOD

Listen to the Future



TK-2212LK/3212LK

Compact VHF/UHF FM Portable Radios

FleetSync[®]
by KENWOOD

GENERAL FEATURES

- 5 W (136-174 MHz) Model
- 4 W (450-490, 470-512 MHz) Models
- Conventional Zones
- 128 Channels / 128 Zones¹
- Single Priority Scan
- Single & Multi-Zone Scan
- 8 Character Alphanumeric Aliases
- Backlit LCD
- Function / Status LCD Icons
- Transmit / Busy / Call Alert / Warn LED
- 4 Front Panel PF keys
- 2 Side PF Keys
- 500 mW Audio Power
- Enhanced Kenwood Audio
- Companded Audio
- VOX Ready
- Voice Inversion Scrambler Built-in
- QT / DQT
- Operator Selectable Tone²
- DTMF Encode / Decode³
- Special Alert Tone Pattern⁴
- Call Key⁵
- Time Out Timer
- Busy Channel Lockout
- LCD Battery Status Indicator
- Low Battery Alert
- Battery Saver
- Weather-sealed ACC Connector
- Speaker Mic Options
- Windows[®] Programming & Tuning⁶
- Field Programming & Tuning
- Wireless Cloning
- MIL-STD-810 C/D/E/F
- MIL-STD "Driven-Rain"
- IP-54/55 Water & Dust Intrusion

FleetSync[®]

- PTT ID Digital ANI
- Selective Call & Group Call⁷
- Status Messaging⁷
- Caller ID Display⁷
- Short Text Message⁷



Options

<ul style="list-style-type: none"> ■ KNB-45L Li-Ion Battery Pack (2000 mAh) ■ KSC-35K Fast Charger (3-Hour) ■ KRA-16 VHF Stubby Antenna ■ KRA-17 UHF Stubby Antenna ■ KRA-22 VHF Low Profile Helical Antenna ■ KRA-23 UHF Low Profile Helical Antenna ■ KRA-26 VHF Helical Antenna 	<ul style="list-style-type: none"> ■ KRA-27 UHF Whip Antenna ■ KMC-45 Speaker Microphone ■ KMC-21 Compact Speaker Microphone ■ KEP-2 Earphone Kit (2.5mm plug) ■ KHS-7 Single-Muff Headset ■ KHS-7A Single-Muff Headset with In-line PTT 	<ul style="list-style-type: none"> ■ KHS-8BL/BE 2-wire Palm Mic with Earphone (Black/Beige) ■ KHS-9BL/BE 3-wire Lapel Mic with Earphone (Black/Beige) ■ KHS-22 Behind-the-head Headset with PTT ■ KHS-23 2-wire Palm Mic ■ KHS-25 D-Ring Ear Hanger with PTT & Boom Mic ■ KHS-26 Earbud In-line PTT Headset 	<ul style="list-style-type: none"> ■ KHS-27 D-Ring In-line PTT Headset ■ KMB-25 Six Unit Charger Adapter ■ KMB-28 Six Unit Charger Adapter for six KSC-35K chargers ■ KBH-10 Belt Clip ■ KWR-1 Water Resistance Bag
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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.

GENERAL	TK-2212LK	TK-3212LK
Frequency Range		
Type 1	136-174 MHz	450-490 MHz
Type 2	-	470-512 MHz
Number of Channels		
Zone/Channel	Max. 128 per Radio / Max. 128 per Zone	
Channel Spacing		
Wide/Narrow	25, 30 kHz/12.5, 15 kHz	25 kHz/12.5 kHz
Battery Voltage	7.5V DC±20%	
Battery Life	(5-5-90 duty cycle, during hi-power, battery saver off)	
with KNB-45L (2,000mAh)	Approx. 12 hours	
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		
Type 1	38 MHz	40 MHz
Type 2	-	42 MHz
Dimensions (W x H x D), Projections not Included		
Radio Only	2.13" x 4.8" x 1.19" (54 x 122 x 30.1 mm)	
with KNB-45L	2.13" x 4.8" x 1.65" (54 x 122 x 42 mm)	
Weight (net)		
Radio Only	6.3 oz (180 g)	
with KNB-45L	10.6 oz (300 g)	
FCC ID		
Type 1	ALH37683110	ALH37693110
Type 2	-	ALH37693120
IC Certification		
Type 1	282D-37683110	282D-37693110

	TK-2212LK	TK-3212LK
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 (8 Ω impedance)	500 mW with less than 10% distortion	
TRANSMITTER (Measurements made per TIA/EIA-603)		
RF Output Power		
High	5 W	4 W
Low	1 W	1 W
Spurious Response	65 dB	
Type of Emission		
Wide	16K0F3E	
Narrow	11K0F3E	
FM HUM & Noise		
Wide	45 dB	
Narrow	40 dB	
Audio Distortion	Less than 5%	

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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 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			

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

Footnotes from front:

- Conventional Zones: 128 Channels /128 Zones max. per radio; 128 CH max. per Zone.
- Operator Selectable Tone (40 QT.DQT code pairs).
- DTMF Encode: PTT ID, Emergency ANI, Auto-Dial (16 numbers); ,DTMF Decode: Code Squelch (3-10 digit), Selective Call (9-digit with status) Group Codes A,B, C, D, # & *) and radio Stun.
- Special Alert Tone Patterns operate for DTMF, FleetSync® selective call decode.
- Call Key 1 & 2: operates for DTMF and FleetSync® status encode.
- KPG-100D required: Windows®98/ NT/ 2000/ Me/XP compatible; English/Spanish screen languages.
- ID List capacity is 100 ID's; Short Text Message is LCD displayed; Status Message List capacity is 50.

KENWOOD

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