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 Zones[1]
- 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 Tone[2]
- DTMF Encode / Decode[3]
- Special Alert Tone Pattern[4]

- Call Key[5]
- Time Out Timer
- Busy Channel Lockout
- LCD Battery Status Indicator
- Low Battery Alert
- Battery Saver
- Weather-sealed ACC Connector
- Speaker Mic Options
- Windows® Programming & Tuning[6]
- 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 Call[7]
- Status Messaging[7]
- Caller ID Display[7]
- Short Text Message[7]

Options

- **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

- **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

- **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

- **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

  (chargers not included)

  (chargers not included)

- **KBH-10**
  Belt Clip

- **KWR-1**
  Water Resistance Bag

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

	TK-2212LK	TK-3212LK
GENERAL		
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	16KØF3E	
Narrow	11KØF3E	
FM HUM & Noise		
Wide	45 dB	
Narrow	40 dB	
Audio Distortion	Less than 5%	

Kenwood reserves the right to change specifications and features without prior notice.
FleetSync® is not compatible with FleetSync II offered in some Kenwood products.
FleetSync® is a registered trademark of Kenwood Corporation in the United States and/or other countries.
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 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:
[1] Conventional Zones: 128 Channels /128 Zones max. per radio; 128 CH max. per Zone.
[2] Operator Selectable Tone (40 QT.DQT code pairs).
[3] 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.
[4] Special Alert Tone Patterns operate for DTMF, FleetSync® selective call decode.
[5] Call Key 1 & 2: operates for DTMF and FleetSync® status encode.
[6] KPG-100D required: Windows®98/ NT/ 2000/ Me/XP compatible; English/Spanish screen languages.
[7] ID List capacity is 100 ID's; Short Text Message is LCD displayed; Status Message List capacity is 50.

KENWOOD

JQA-QMA1205   091-A
ISO9001 Registered
Communications Equipment Division
Kenwood Corporation
ISO9001 certification