KENWOOD

TK-2400/3400

Compact VHF/UHF FM 2-Watt Portable Radios

FleetSync®

GENERAL FEATURES

- 2 W (136-174 MHz) VHF
- 2 W (450-520 MHz) UHF
- 4 & 16 Channel Models
- Single Priority / Normal Scan
- Transmit / Busy / Call Alert Scan / Warn LED
- 4-Color LED (Blue/Red/Green/Orange)
- 2 PF Keys
- 1.0 W Speaker Audio
- Enhanced Kenwood Audio
- Companded Audio (per CH)
- Voice Annunciation
- VOX Ready
- Voice Inversion Scrambler Built-in
- 16 Scrambler Codes (per CH)
- Emergency Call Features
- Lone Worker Alert (per CH)
- QT / DQT
- Two-Tone Decode[1]
- Single / Two-Tone Encode[1]
- DTMF Encode / Decode[2]
- Special Alert Tone Pattern[3]
- Time Out Timer
- Busy Channel Lockout
- Low Battery Warning
- Battery Saver

- Windows® Programming & Tuning[4]
- Wireless Cloning
- 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[5]
- Paging Call
- Emergency Status
- Send GPS Data (KMC-48GPS)

MDC-1200

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

ACCESSORIES INCLUDED

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

Options

- **KNB-29N**
  Ni-MH Battery Pack
  (1,500mAh)

- **KNB-45L**
  2,000mAh/7.4V
  Li-Ion Battery Pack

- **KSC-35SK**
  Fast Charger
  For the KNB-45L (3-Hour)

- **KSC-43K**
  Dual Chemistry Fast Charger
  For the KNB-29N/45L

- **KVC-22**
  DC Vehicular
  Charger Adapter

- **KRA-41**
  VHF Stubby Antenna

- **KRA-42**
  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-48GPS**
  GPS Speaker Microphone

- **KMC-45**
  Speaker Microphone

- **KMC-21**
  Compact Speaker
  Microphone

- **KEP-2**
  Earphone Kit for
  KMC-45 (2.5mm plug)

- **KHS-7**
  Single Muff Headset

- **KHS-7A**
  Single Muff Headset
  with In-line PTT

- **KHS-8BL**
  2-wire Palm Mic
  with Earphone (Black)

- **KHS-9BL**
  3-wire Lapel Mic
  with Earphone (Black)

- **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

- **KHS-31**
  C-Ring PTT Ear
  Hanger Headset

- **KMB-28**
  Six Unit Charger
  Adapter (for six
  KSC-35SK chargers) (chargers not included)

- **KBH-10**
  Belt Clip

- **KLH-187**
  Nylon Case

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-2400 VHF	TK-3400 UHF
GENERAL		
Frequency Range	136-174 MHz	450-520 MHz
Number of Channels		
K	4	
K2	16	
Channel Spacing		
Wide/Narrow	25 kHz / 12.5 kHz	
Operating Voltage	7.5V DC±20%	
Battery Life (5-5-90 duty cycle battery saver OFF)		
with KNB-45L (2000mAh)	More than 17 hours	
Operating Temperature Range*	-22°F ~ +140°F (-30°C ~ +60°C)	
Frequency Stability	±2.5ppm (-22°F ~ +140°F)	
Antenna Impedance	50 Ω	
Dimensions (W x H x D), Projections not Included		
Radio Only	2.13 x 4.8 x 1.32 inch (54 x 122 x 33.7mm)	
with KNB-45L	2.13 x 4.8 x 1.32 inch (54 x 122 x 33.7mm)	
Weight (net)		
Radio Only	5.8oz (165g)	
with KNB-45L	9.9oz (281g)	
FCC ID	ALH434901	ALH435002

-14°F ~ +140°F (-10°C ~ +60°C) When KNB-45L in use.

Model	TK-2400 VHF	TK-3400 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	70dB/60dB	
Spurious Response	70dB	
Audio Distortion	less than 10% distortion	
Audio Output	1 W / 12 Ω (Internal Speaker)	
	500mW / 8 Ω (External Speaker)	
TRANSMITTER (Measurements made per TIA/EIA-603)		
RF Power Output		
High/Low	2W/1W	
Spurious Response	70dB	
FM Hum & Noise		
Wide/Narrow	45/40dB	
Audio Distortion	Less than 5%	
Modulation		
Wide/Narrow	16KØF3E/11KØF3E	

Specifications are subject to change without notice, due to advancements in technology.

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Windows® is a registered trademark of Microsoft Corporation in the United States and other countries.

Footnotes from front:
[1] Two-Tone Decode (3 sets x2 pairs each); Single / Two-Tone Encode (1 tone).
[2] DTMF Encode: PTT ID, Emergency ANI, Auto-Dial (8 numbers); DTMF Decode: Selective Call (10-digit ID Code, Group Codes; A, B, C, D, & Wild Card characters), and Radio Stun.
[3] Special Alert Tone Pattern operates for 2-Tone, DTMF, FleetSync® selective call decode.
[4] KPG-160D required: Windows®XP / Vista / 7 compatible.
[5] ID List capacity: 8 ID's; 10 Group ID's; Status 1 & 2 (10~99).

Applicable MIL-STD & IP

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

To meet IP54/55, the 2-pin connector cover has to be connected on the radio or the locking bracket has to be attached to the KMC-45 external speaker microphone.