

KENWOOD

Listen to the Future

TK-2300/3300

Compact VHF/UHF FM Portable Radios

FleetSync[®]
by KENWOOD

GENERAL FEATURES

- 2 W (150-174 MHz) VHF
- 2 W (450-470 MHz) UHF
- 4 & 16 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 Announcement
- VOX Ready
- Voice Inversion Scrambler Built-in
- QT / DQT
- DTMF Encode / Decode¹
- Special Alert Tone Pattern²
- 10 Call Alerting Tones

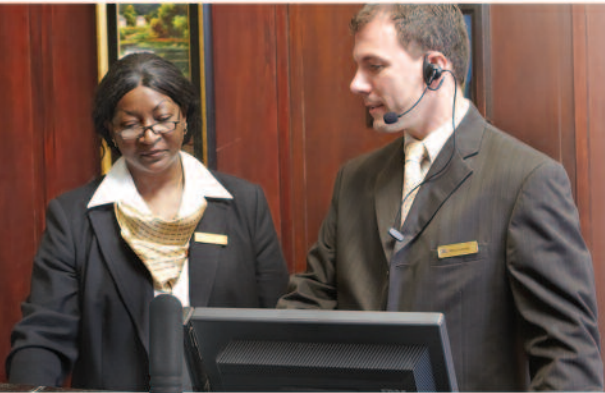
- Time Out Timer
- Busy Channel Lockout
- Low Battery Warning
- Battery Saver
- Windows[®] Programming & Tuning³
- Wireless Cloning
- MIL-STD-810 C/D/E/F
- IP-54/55 Water & Dust Intrusion

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



Options

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



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

■ **KSC-31**
Fast Charger
For the KNB-29N (3-Hour)



■ **KSC-35K**
Fast Charger
For the KNB-45L (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 for
KMC-45
(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-28**
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



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-2300 VHF	TK-3300 UHF
GENERAL		
Frequency Range	150-174 MHz	450-470 MHz
Number of Channels		
K Type	4	4
K2 Type	16	16
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 1.33" (54 x 122 x 33.8mm)	
Weight (net)		
Radio Only	5.6oz (160g)	
with KNB-45L	9.9oz (280g)	
FCC ID	ALH413501	ALH413603
FCC Compliance	Parts 22/74/90	Parts 90/95

Model	TK-2300 VHF	TK-3300 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	500mW 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	16KØF3E/11KØF3E	
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 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 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.

Footnotes from front:

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

² Special Alert tone patterns operate for DTMF, FleetSync™ selective call decode.

³ KPG-120D required: Windows®98 / 2000 / Me / XP / Vista compatible.

⁴ ID List capacity: 8 ID's.

KENWOOD

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