

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



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

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.

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.
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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 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.

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