



● GENERAL FEATURES

- 5 W (136-174 MHz) VHF
- 5 W (450-520 MHz) UHF
- 32 CH / 2 Zones
- Transmit / Busy / Call Alert / Scan / Warn LED
- 4-Color LED (Blue/Red/Green/Orange)
- On/Off Volume Knob
- 2 PF Keys
- 1.0 W Speaker Audio
- 16-Position Mechanical Selector
- Zone / CH# Voice Announcement
- KMC-48GPS Speaker Mic Option
- VOX Ready
- Emergency Call Features
- Lone Worker Alert (per CH)
- Time Out Timer
- Busy Channel Lockout
- Low Battery Warning
- Battery Saver
- KPG-169D Windows FPU
- Wireless Cloning
- Password Protected
- MIL-STD-810 C/D/E/F/G
- IP-54/55 Water & Dust Intrusion

● DIGITAL – GENERAL

- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 kHz Channels
- Over-the-Air Alias (TX Only)
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill
- Remote Check
- GPS Location with Voice
- NXDN® Scrambler Included

● DIGITAL – CONVENTIONAL MODE

- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call
- Site Roaming*

● SCAN

- Single Zone Scan
- Single Priority Scan (Conventional)

● ANALOG MODES – GENERAL

- 12.5 kHz Channels
- Conventional Zones
- FleetSync®/II, MDC-1200, DTMF
- QT/DQT/Two-Tone (Conventional Zones Only)
- Voice Inversion Scrambler (16 Codes)

● FleetSync®/II

- PTT ID ANI
- Selective / Group Call
- Paging Call
- Emergency Status
- Send GPS Data

● MDC-1200

- PTT ID ANI / Caller ID
- Emergency, Radio Check & Inhibit

ACCESSORIES INCLUDED

- KNB-45L Li-ion Battery
- KSC-35SK 3-Hour Fast Charger
- KBH-10 Spring Action Belt Clip
- KRA-26/27 Removeable Antenna

*Future availability

Options

- **KNB-29N**
Ni-MH Battery Pack
(1,500mAh)
- **KNB-45L**
2,000mAh/7.4V
Li-Ion Battery Pack
- **KNB-69L**
2,550mAh/7.4V
Li-Ion Battery Pack
- **KSC-35SK**
Fast Charger
For the KNB-45L/69L (3-Hour)
- **KSC-43K**
Dual Chemistry Fast Charger
For the KNB-29N/45L/69L
- **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-48GSP**
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)
- **KBH-10**
Belt Clip
- **KLH-187**
Nylon Case



Main 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.

	NX-240	NX-340
GENERAL		
Frequency Range	136-174 MHz	450-520 MHz
Number of Channels	32	
Zones	2	
Max. Channels per Zone	16	
Channel Spacing	12.5 kHz	
	6.25 kHz	
Operating Voltage	7.5V DC ± 20%	
Battery Life (5-5-90 during hi-power battery saver: OFF/ON with KNB-45L (2000mAh))	More than 12/18 hours	
Operating Temperature Range*	-22° F ~ +140° F (-30° C ~ +60° C)	
Frequency Stability	± 2.0 ppm	± 1.0 ppm
Antenna Impedance	50 Ω	
Dimensions (W x H x D) with KNB-45L Projections Not Included	2.13 x 4.8 x 1.32 in (54 x 122 x 33.7 mm)	
Weight (net) Radio Only with KNB-45L	5.8 oz (165 g)	9.9 oz (281 g)
FCC ID	ALH443700	ALH443800

*-14°F ~ +140°F (-10°C ~ +60°C) When KNB-29N/45L/69L is in use.

	NX-240	NX-340
RECEIVER (Measurements made per TIA/EIA-603)		
Sensitivity	Digital @ 6.25 kHz (3% BER)	0.32 µV
	Analog (12 dB SINAD)	0.28 µV
Selectivity	Analog @ 12.5 kHz	60 dB
Intermodulation Distortion	Analog	60 dB
Spurious Response	Analog	70 dB
Audio Distortion	Less than 10%	
Audio Output	1 W / 12 Ω (Internal Output) 500mW / 8 Ω (External Output)	
TRANSMITTER (Measurements made per TIA/EIA-603)		
RF Power Output	High / Low	5 W / 1 W
Spurious Response	70 dB	
FM Hum & Noise	Analog	40 dB
Audio Distortion	Less than 10%	
Modulation	11K0F3E, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D	

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.
AMBE+2™ is a trademark of Digital Voice Systems Inc.
NXDN® is a registered trademark of JVCKENWOOD Corporation and Icom Inc.
NEXEDGE® is a registered trademark of JVCKENWOOD Corporation.

Applicable MIL-STD & IP

MIL 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 MIL810 and IP grade, the 2-pin connector has to be connected.

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