



GENERAL FEATURES

- 3.0 W (806-870 MHz) Model
- 2.5 W (896-941 MHz) Model
- 512 CH-GID / 128 Zones
- 12-Key Keypad
- 14 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- Function/Status LCD Icons
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- Transmit/Busy/Call Alert/Warn LED
- On/Off Volume Knob
- 6 Front PF & Menu Keys
- 2 Side PF Keys
- Emergency/AUX Key
- 500 mW Speaker Audio
- KMC-47GPS Speaker Mic Option
- KPG-111D Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP54/55 Water & Dust Intrusion
- PC Serial Interface
- SDM Manual Input¹
- Transparent Data Mode¹
- VGS-1 Voice Guide/Voice & GPS Data Storage Option

DIGITAL – GENERAL

- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging¹
- Remote Stun/Kill¹
- Remote Check¹
- Short & Long Data Messages¹
- GPS Location with Voice¹
- NXDN® Scrambler Included
- DES Encryption Module Option
- AES & DES Encryption Module Option
- AES/DES Software Key Loader Option

DIGITAL – CONVENTIONAL MODE

- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call
- Mixed FM/Digital Operation
- Conventional IP Networks
- Site Roaming

DIGITAL – TRUNKING MODE

- Individual Private Call
- Group Call & Broadcast Call
- Transmission Trunked Mode²
- Message Trunked Mode²
- Call Queuing with Priority²
- Late Entry (UID & GID)²
- 4 Priority Monitor ID's²
- Remote Group Add¹
- Failsoft Mode

MULTI-SITE IP NETWORKS COMPATIBLE

- 60,000 GIDs / UIDs
- Wide Area Group Call
- Auto Roaming Registration
- Group Registration

SCAN

- Single Zone / Multi-Zone / List Scan
- Dual Priority Scan (Conventional)

ANALOG MODES – GENERAL

- 25* & 12.5 kHz Channels
- NPSPEC Channels*
- Conventional & LTR® Zones
- FleetSync®/II, MDC-1200, DTMF
- QT / DQT (Conventional Zones Only)
- Voice Inversion Scrambler
- Analog Scrambler Board Capability

FleetSync®/II

- PTT ID ANI / Caller ID
- Selective / Group Call
- Emergency, Status & Text Messages¹

MDC-1200

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

* 800 MHz model only.

Options

<ul style="list-style-type: none"> KNB-54N Ni-MH Battery (2500mAh) KNB-33L Li-ion Battery (2000mAh) KNB-43L Li-Polymer Battery (3300mAh) KNB-49PL Primary Lithium Battery (4500mAh) KBP-6 Alkaline Battery Case 	  	<ul style="list-style-type: none"> KSC-32 Rapid Rate Charger for Ni-Cd/Ni-MH/Li-ion KSC-326 Rapid Rate Six Unit Charger for Ni-Cd/Ni-MH/Li-ion KVC-15 Rapid Rate Vehicular Charger Adapter for KSC-32 KVC-18 D.C. Vehicular Charger KRA-38 800/900 MHz Whip Antenna 	    	<ul style="list-style-type: none"> KMC-41M MIL-STD & IP 54/55 Speaker Microphone KMC-47G6PS GPS Speaker Microphone KEP-1 Heavy Duty Earphone KHS-11BL 2-Wire Mini Lapel Mic. with Earphone KHS-12BL 3-Wire Mini Lapel Mic. with Earphone KHS-14 Lightweight Single Muff Headset 	     	<ul style="list-style-type: none"> KHS-15-BH Over-the-Head Heavy Duty Headset KHS-15-OH Behind-the-Head Heavy Duty Headset VGS-1 Voice Guide & Storage Unit KBH-11 Belt Clip (2.5") KLH-154K2 Heavy Duty Leather Carrying Case 	    
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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.

Main Specifications

		NX-410	NX-411
GENERAL			
Frequency Range	Receive Transmit	851-870 MHz 806-825, 851-870 MHz	935-941 MHz 896-902, 935-941 MHz
Number of Channels		512	
Zones		128	
Max. Channels per Zone		250	
Channel Spacing	Analog Digital	12.5 / 25 kHz 6.25 / 12.5 kHz	12.5 kHz 6.25 / 12.5 kHz
Operating Voltage		7.5V DC ± 20%	
Battery Life (5-5-90)	with KNB-54N with KNB-33L	More than 14 hours More than 11 hours	
Battery Life (10-10-80)	with KNB-54N with KNB-33L	More than 9 hours More than 7 hours	
Operating Temperature Range		-22° F to +140° F (-30° C to +60° C)	
Frequency Stability		± 1.0 ppm	
Antenna Impedance		50 Ω	
Dimensions (W x H x D)	Radio only with KNB-54N with KNB-33L	2.28 x 5.46 x 0.88 in (58 x 138.8 x 22.4 mm) 2.28 x 5.46 x 1.60 in (58 x 138.8 x 40.7 mm) 2.28 x 5.46 x 1.35 in (58 x 138.8 x 34.2 mm)	
Weight (net)	Radio only with KNB-54N with KNB-33L	9.52 oz (270 g) 19.58 oz (555 g) 13.93 oz (395 g)	
FCC ID		ALH409000	ALH409001
IC Certification		282D-409000	282D-409001

		NX-410	NX-411
RECEIVER			
Sensitivity	Digital @ 6.25kHz (3% BER) Digital @ 12.5kHz (3% BER) Analog (12 dB SINAD)	0.20 μV 0.25 μV 0.25 μV	
Selectivity	Analog @ 25 kHz Analog @ 12.5 kHz	72 dB 65 dB	- 65 dB
Intermodulation Distortion	Analog	70 dB (±50,100 kHz)	
Spurious Response	Analog	70 dB	
Audio Distortion		Less than 3%	
Audio Output		500 mW / 8 Ω	
TRANSMITTER			
RF Power Output		3 W / 1 W	2.5 W / 1 W
Spurious Response		70 dB	
FM Hum & Noise	Analog @ 25 kHz Analog @ 12.5 kHz	45 dB 40 dB	- 40 dB
Audio Distortion		Less than 3%	
Modulation		16K0F3E*, 14K0F3E*, 11K0F3E, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D	

Analog measurements made per TIA/EIA 603 and specifications shown are typical. Specifications are subject to change without notice, due to advancements in technology.

Footnotes from front:
¹ Requires compatible PC software application or console.
² These trunked features are primarily system programming and operational dependent. Priority Monitor also requires NX subscriber settings.

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 LTR™ is a registered trademark of Transcript International.
 AMBE+2™ is a trademark of Digital Voice Systems Inc.
 Windows® is a registered trademark of Microsoft Corporation.
 NXD™ is a registered trademark of JVC KENWOOD Corporation and Icom Inc.
 NEXEDGE® is a registered trademark of JVC KENWOOD Corporation.

* NX-410 only

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				

KENWOOD

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