



#### 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 Input<sup>1</sup>
- Transparent Data Mode<sup>1</sup>
- 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 Messaging<sup>1</sup>
- Remote Stun/Kill<sup>1</sup>
- Remote Check<sup>1</sup>
- Short & Long Data Messages<sup>1</sup>
- GPS Location with Voice<sup>1</sup>
- 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 Mode<sup>2</sup>
- Message Trunked Mode<sup>2</sup>
- Call Queuing with Priority<sup>2</sup>
- Late Entry (UID & GID)<sup>2</sup>
- 4 Priority Monitor ID's<sup>2</sup>
- Remote Group Add<sup>1</sup>
- 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 Messages<sup>1</sup>

#### MDC-1200

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

\* 800 MHz model only.

## Options

<ul style="list-style-type: none"> <li><b>KNB-54N</b> Ni-MH Battery (2500mAh)</li> <li><b>KNB-33L</b> Li-ion Battery (2000mAh)</li> <li><b>KNB-43L</b> Li-Polymer Battery (3300mAh)</li> <li><b>KNB-49PL</b> Primary Lithium Battery (4500mAh)</li> <li><b>KBP-6</b> Alkaline Battery Case</li> </ul>	 	<ul style="list-style-type: none"> <li><b>KSC-32</b> Rapid Rate Charger for Ni-Cd/Ni-MH/Li-ion</li> <li><b>KSC-326</b> Rapid Rate Six Unit Charger for Ni-Cd/Ni-MH/Li-ion</li> <li><b>KVC-15</b> Rapid Rate Vehicular Charger Adapter for KSC-32</li> <li><b>KVC-18</b> D.C. Vehicular Charger</li> <li><b>KRA-38</b> 800/900 MHz Whip Antenna</li> </ul>	    	<ul style="list-style-type: none"> <li><b>KMC-41M</b> MIL-STD &amp; IP 54/55 Speaker Microphone</li> <li><b>KMC-47G6PS</b> GPS Speaker Microphone</li> <li><b>KEP-1</b> Heavy Duty Earphone</li> <li><b>KHS-11BL</b> 2-Wire Mini Lapel Mic. with Earphone</li> <li><b>KHS-12BL</b> 3-Wire Mini Lapel Mic. with Earphone</li> <li><b>KHS-14</b> Lightweight Single Muff Headset</li> </ul>	     	<ul style="list-style-type: none"> <li><b>KHS-15-BH</b> Over-the-Head Heavy Duty Headset</li> <li><b>KHS-15-OH</b> Behind-the-Head Heavy Duty Headset</li> <li><b>VGS-1</b> Voice Guide &amp; Storage Unit</li> <li><b>KBH-11</b> Belt Clip (2.5")</li> <li><b>KLH-154K2</b> Heavy Duty Leather Carrying Case</li> </ul>	    
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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
<b>GENERAL</b>			
<b>Frequency Range</b>	Receive Transmit	851-870 MHz 806-825, 851-870 MHz	935-941 MHz 896-902, 935-941 MHz
<b>Number of Channels</b>		512	
<b>Zones</b>		128	
<b>Max. Channels per Zone</b>		250	
<b>Channel Spacing</b>	Analog Digital	12.5 / 25 kHz 6.25 / 12.5 kHz	12.5 kHz 6.25 / 12.5 kHz
<b>Operating Voltage</b>		7.5V DC ± 20%	
<b>Battery Life (5-5-90)</b>	with KNB-54N with KNB-33L	More than 14 hours More than 11 hours	
<b>Battery Life (10-10-80)</b>	with KNB-54N with KNB-33L	More than 9 hours More than 7 hours	
<b>Operating Temperature Range</b>		-22° F to +140° F (-30° C to +60° C)	
<b>Frequency Stability</b>		± 1.0 ppm	
<b>Antenna Impedance</b>		50 Ω	
<b>Dimensions (W x H x D)</b>	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)	
<b>Weight (net)</b>	Radio only with KNB-54N with KNB-33L	9.52 oz (270 g) 19.58 oz (555 g) 13.93 oz (395 g)	
<b>FCC ID</b>		ALH409000	Pending**
<b>IC Certification</b>		282D-409000	Pending

		NX-410	NX-411
<b>RECEIVER</b>			
<b>Sensitivity</b>	Digital @ 6.25kHz (3% BER) Digital @ 12.5kHz (3% BER) Analog (12 dB SINAD)	0.20 μV 0.25 μV 0.25 μV	
<b>Selectivity</b>	Analog @ 25 kHz Analog @ 12.5 kHz	72 dB 65 dB	- 65 dB
<b>Intermodulation Distortion</b>	Analog	70 dB (±50,100 kHz)	
<b>Spurious Response</b>	Analog	70 dB	
<b>Audio Distortion</b>		Less than 3%	
<b>Audio Output</b>		500 mW / 8 Ω	
<b>TRANSMITTER</b>			
<b>RF Power Output</b>		3 W / 1 W	2.5 W / 1 W
<b>Spurious Response</b>		70 dB	
<b>FM Hum &amp; Noise</b>	Analog @ 25 kHz Analog @ 12.5 kHz	45 dB 40 dB	- 40 dB
<b>Audio Distortion</b>		Less than 3%	
<b>Modulation</b>		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:  
<sup>1</sup> Requires compatible PC software application or console.  
<sup>2</sup> These trunked features are primarily system programming and operational dependent. Priority Monitor also requires NX subscriber settings.

FleetSync™ is a registered trademark of JVC KENWOOD Corporation.  
 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.  
 NXDN® is a registered trademark of JVC KENWOOD Corporation and Icom Inc.  
 NEXEDGE® is a registered trademark of JVC KENWOOD Corporation.

\* NX-410 only  
 \*\* This device has not been authorized as required by the rules of the Federal Communications Commission. This device, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained.

## 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
<b>Low Pressure</b>	500.1/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	500.4/Procedure I, II	500.5/Procedure I, II
<b>High Temperature</b>	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
<b>Low Temperature</b>	502.1/Procedure I	502.2/Procedure I, II	502.3/Procedure I, II	502.4/Procedure I, II	502.5/Procedure I, II
<b>Temperature Shock</b>	503.1/Procedure I	503.2/Procedure I	503.3/Procedure I	503.4/Procedure I, II	503.5/Procedure I
<b>Solar Radiation</b>	505.1/Procedure I	505.2/Procedure I	505.3/Procedure I	505.4/Procedure I	505.5/Procedure I
<b>Rain</b>	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
<b>Humidity</b>	507.1/Procedure I, II	507.2/Procedure II, III	507.3/Procedure II, III	507.4	507.5/Procedure II
<b>Salt Fog</b>	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4	509.5
<b>Dust</b>	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I	510.4/Procedure I, III	510.5/Procedure I
<b>Vibration</b>	514.2/Procedure VIII, X	514.3/Procedure I	514.4/Procedure I	514.5/Procedure I	514.6/Procedure I
<b>Shock</b>	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
<b>International Protection Standard</b>					
<b>Dust &amp; Water Protection</b>	IP54/55				

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