



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 	    
---	---	---	---	---	---	--	--

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	Pending**
IC Certification		282D-409000	Pending

		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.

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
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

Kenwood U.S.A. Corporation
 Communications Sector Headquarters
 3970 Johns Creek Court, Suite 100, Suwanee, GA 30024-1265

Order Administration/Distribution
 P.O. BOX 22745, 2201 East Dominguez St., Long Beach, CA 90801-5745

Kenwood Electronics Canada Inc.
 Canadian Headquarters and Distribution
 6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8
 www.kenwood.ca


 www.kenwoodusa.com



ISO9001 Registered
 Communications Equipment Division
 Professional Systems Business Group
 JVC KENWOOD Corporation