

NEXEDGE®

NX-410/411

NEXEDGE® 800/900 MHz Digital & Analog Portable Radio

NXDN® MPT-1327 FleetSync®



● 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

● MULTI-SYSTEM COMPATIBLE

- 8 Trunked Networks³
- UID Lists for each network

● SCAN

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

● ANALOG MODES – GENERAL

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

● MPT ZONES**

- Single-Site Trunking
- Multi-Site Network Trunking
- 8 Network Capacity
- Network Roaming / Registration

● 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. ** Optional feature

Options

■ **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



■ **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



■ **KMC-41M**
MIL-STD & IP 54/55
Speaker Microphone

■ **KMC-47GSP**
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



■ **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	851-870 MHz	935-941 MHz
	Transmit	806-825, 851-870 MHz	896-902, 935-941 MHz
Number of Channels		512	
Zones		128	
Max. Channels per Zone		250	
Channel Spacing	Analog	12.5 / 25 kHz	12.5 kHz
	Digital	6.25 / 12.5 kHz	6.25 / 12.5 kHz
Operating Voltage		7.5V DC $\pm$ 20%	
Battery Life (5-5-90)	with KNB-54N	More than 14 hours	More than 11 hours
	with KNB-33L	More than 9 hours	More than 7 hours
Battery Life (10-10-80)	with KNB-54N	More than 14 hours	More than 11 hours
	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		$\pm$ 1.0 ppm	
Antenna Impedance		50 Ω	
Dimensions (W x H x D)	Radio only	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)
	with KNB-54N	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)
	with KNB-33L	2.28 x 5.46 x 1.35 in (58 x 138.8 x 34.2 mm)	
Weight (net)	Radio only	9.52 oz (270 g)	19.58 oz (555 g)
	with KNB-54N	19.58 oz (555 g)	13.93 oz (395 g)
	with KNB-33L	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)	0.20 μ V	0.25 μ V
	Digital @ 12.5kHz (3% BER)	0.25 μ V	0.25 μ V
	Analog (12 dB SINAD)	0.25 μ V	0.25 μ V
Selectivity	Analog @ 25 kHz	72 dB	-
	Analog @ 12.5 kHz	65 dB	65 dB
Intermodulation Distortion	Analog	70 dB ($\pm$ 50,100 kHz)	70 dB
Spurious Response	Analog	70 dB	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	70 dB
FM Hum & Noise	Analog @ 25 kHz	45 dB	-
	Analog @ 12.5 kHz	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.

FleetSync® is a registered trademark of JVCKENWOOD 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 JVCKENWOOD Corporation and Icom Inc.
NEXEDGE® is a registered trademark of JVCKENWOOD Corporation.

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.
³ Up to 8 different Trunked networks can be configured per radio (each in a zone)

* 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				

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