

# KENWOOD

Listen to the Future

## NEXEDGE™

# NX-410

NEXEDGE® 800 MHz Digital & Analog Portable Radio

**NXDN®**

**FleetSync®**  
by KENWOOD



### GENERAL FEATURES

- 3 W (806-870 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
- 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

### 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
- NPSPAC 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

## Options

### ■ KNB-54N

Ni-MH Battery  
(2500mAh)



KNB-33L

### ■ KNB-33L

Li-ion Battery  
(2000mAh)

### ■ KNB-43L

Li-Polymer Battery  
(3300mAh)

### ■ KNB-49PL

Primary Lithium Battery  
(4500mAh)

### ■ KBP-6

Alkaline Battery Case



KBP-6

### ■ 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-24

800 MHz  
Whip Antenna



### ■ KRA-32

700/800 MHz  
Whip Antenna



### ■ 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



### ■ KHS-15-BH

Over-the-Head  
Heavy Duty Headset



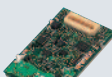
### ■ KHS-15-OH

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
<b>GENERAL</b>		
Frequency Range	Receive Transmit	851-870 MHz 806-825, 851-870 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)
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
IC Certification		282D-409000

		NX-410
<b>RECEIVER</b>		
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
Intermodulation Distortion	Analog	70 dB (±50,100 kHz)
Spurious Response	Analog	70 dB
Audio Distortion		Less than 3%
Audio Output		500 mW / 8 %
<b>TRANSMITTER</b>		
RF Power Output		3 W / 1 W
Spurious Response		70 dB
FM Hum & Noise	Analog @ 25 kHz Analog @ 12.5 kHz	45 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. Kenwood reserves the right to change specifications without prior notice or obligation.

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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.  
NXDN™ is a registered trademark of Kenwood Corporation and Icom Inc.  
NEXEDGE® is a registered trademark of Kenwood Corporation.

footnotes from Front:

<sup>1</sup> Requires NX subscriber unit PC Serial Interface compatible software application (e.g. Kenwood AVL & Dispatch Messaging software) or hardware (e.g. console).  
<sup>2</sup> These trunked features are primarily system programming and operational dependent. Priority Monitor also requires NX subscriber settings.

## 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
<b>International Protection Standard</b>					
Dust & Water Protection	IP54/55				

## Listen to the Future

Kenwood has always connected with people through sound. Now we want to expand the world of sound in ways that only Kenwood can, listening to our customers and to the pulse of the coming age as we head toward a future of shared discovery, inspiration and enjoyment.

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