

NEXEDGE®

NX-210

NEXEDGE® VHF Digital & Analog Portable Radio

NXDN® **FleetSync®**



● GENERAL FEATURES

- 5 W (136-174 MHz) Model
- CSA Approval for 2 W Power Output
- 512 CH-GID / 128 Zones
- 12-Key Keypad Model
- 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
- MIL-STD "Driven-Rain"
- 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)

Options

- **KNB-33L**
Li-ion Battery (2000mAh)
- **KNB-43L**
Li-Polymer Battery (3300mAh)
- **KNB-49L**
Primary Lithium Battery (4500mAh)
- **KNB-66LC***
Li-ion Battery (1880mAh) I.S.
- **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-22**
VHF Helical Antenna
- **KRA-26**
VHF Whip Antenna
- **KRA-16**
VHF Stubby Antenna
- **KRA-25**
VHF High Gain Antenna



- **KMC-41M***
MIL-STD & IP 54/55 Speaker Microphone
- **KMC-47GPS**
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



*CSA Radio Class I, Division 1, Groups A and B Certification.

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-210
GENERAL		
Frequency Range		136-174 MHz
Number of Channels		512
Zones		128
Max. Channels per Zone		250
Channel Spacing	Analog/Digital	12.5 / 15 / 25 / 30 kHz (6.25 / 12.5 kHz)
Operating Voltage		7.5V DC ± 20%
Battery Life (5-5-90)	with KNB-33L	More than 11 hours
Battery Life (10-10-80)	with KNB-33L	More than 7 hours
Operating Temperature Range	CSA Approval	-22° F to +140° F (-30° C to +60° C)
Frequency Stability		± 2.0 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)
	with KNB-31A	2.28 x 5.46 x 1.60 in (58 x 138.8 x 40.7 mm)
	with KNB-32N	2.28 x 5.46 x 1.60 in (58 x 138.8 x 40.7 mm)
	with KNB-33L	2.28 x 5.46 x 1.35 in (58 x 138.8 x 34.2 mm)
	Projections not included	
Weight (net)	Radio only	9.52 oz (270 g)
	with KNB-31A	18.52 oz (525 g)
	with KNB-32N	19.58 oz (555 g)
	with KNB-33L	13.93 oz (395 g)
IC Certification		282D-423500

CSA IS approved by CSA as intrinsically safe for use in Classes I, II & III, Div. 1, Groups C, D, E, F, G and are also approved for non-Incendive use in Class I, Div. 2, Groups A, B, C, D hazardous locations (Exception: KMC-47GPS is approved for Class I Div. 1 GP CD & N.I. Class I Div. 2 GP CD). Using an Intrinsically Safe battery on a radio does not constitute an Intrinsically Safe (I.S.) radio. All Kenwood I.S. radios must be certified at Kenwood by inspection, logging & proper labeling. The appropriate I.S. labor code must be specified on all I.S. radio orders and the proper model I.S. battery must be used with the radio. Kenwood I.S. batteries can be purchased separately for existing Kenwood certified I.S. radios. Intentionally or inadvertently representing a Kenwood radio as I.S. without proper Kenwood certification can result in serious safety and/or legal liability issues for your company. Please contact your local dealer for details.

		NX-210
RECEIVER		
Sensitivity	Digital @ 6.25kHz (3% BER)	0.20 μV
	Digital @ 12.5kHz (3% BER)	0.25 μV
	Analog (12 dB SINAD)	0.25 μV
Selectivity	Analog @ 25 kHz	72 dB
	Analog @ 12.5 kHz	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 / CSA Approved RF Power Output		5 W / 1 W / 2 W CSA
Spurious Response		70 dB
FM Hum & Noise	Analog @ 25 kHz	45 dB
	Analog @ 12.5 kHz	40 dB
Audio Distortion		Less than 3%
Modulation		16K0F3E, 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 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.
CSA® is a registered trademark of the Canadian Standards Association.

Footnotes from front:
1 Requires compatible PC software application or console.
2 These tracked 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
International Protection Standard					
Dust & Water Protection	IP54/55				

*To meet MIL810 and IP grade, the 2-pin connector has to be connected.

KENWOOD

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

www.kenwood.ca



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