

NEXEDGE®

NX-200/300

NEXEDGE® VHF/UHF Digital & Analog Portable Radios

MPT-1327



NXDN® FleetSync®

● GENERAL FEATURES

- 5 W (136-174, 400-470 MHz) Models
- CSA Approval for 2 W Power Output
- 512 CH-GID / 128 Zones
- 64 CH-GID / 4 Zones (S Version)
- 12-Key Keypad Models*
- 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
- 16-Position Mechanical Selector
- 6 Front PF & Menu Keys*
- 2 Side PF Keys
- 500 mW Speaker Audio
- Emergency Call Features
- KMC-47GPS Speaker Mic Option
- KPG-111D Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G

● GENERAL FEATURES Cont.

- IP54/55 Water & Dust Intrusion
- IP67 Immersion Option
- PC Serial Interface
- SDM Manual Input¹
- Transparent Data Mode¹
- Intrinsically Safe Option*
- 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^{1,2}
- 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
- **P25 Digital Upgradeable

● DIGITAL – CONVENTIONAL MODE

- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call³
- Mixed FM/Digital Operation

● DIGITAL – CONVENTIONAL MODE

- Conventional IP Networks
- Site Roaming

● DIGITAL – TRUNKING MODE

- Individual Private Call
- Group Call & Broadcast Call
- Telephone Interconnect
- Transmission Trunked Mode⁴
- Message Trunked Mode⁴
- Call Queuing with Priority⁴
- Late Entry (UID & GID)⁴
- 4 Priority Monitor ID's⁴
- 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)

● FM MODE – GENERAL

- 25 & 12.5 kHz Channels
- Conventional & LTR® Zones
- FleetSync®/II, MDC-1200, DTMF³
- QT / DQT & Two-Tone (Conventional Zones Only)³
- Voice Inversion Scrambler
- Analog Scrambler Board Capability

● FleetSync®/II (FM)

- PTT ID ANI / Caller ID³
- Selective / Group Call³
- Emergency Status / Text Messages¹

● MDC-1200

- PTT ID ANI / Caller ID³
- Emergency / Radio Check & Inhibit

* LCD features/operations not available on NX-200S/300S

Three Models Available:
S Version: No LCD, No Front keys
14 Character LCD, 6 Front PF Keys
14 Character LCD, 6 Front PF Keys, 12-Key DTMF Keypad.
Colour Cases Option Available on 6 Front PF Key Models Only.



Options

■ KNB-47L

Li-Ion Battery
(1950mAh)

■ KNB-48L

Li-Ion Battery
(2550mAh)

■ KNB-50NC**

Ni-MH Battery
(2000mAh) Intrinsically Safe

■ KNB-61LC*

Li-Ion Battery
(1880mAh) CSA

■ KBP-7

Alkaline Battery Case



■ KSC-32

Tri-Chemistry Rapid
Rate Charger

■ KSC-326

Rapid Rate Six Unit Charger
for Ni-Cd/Ni-MH/Li-ion

■ KMC-41M*

MIL-STD & IP 54/55
Speaker Microphone

■ KMC-47GPS

GPS Speaker
Microphone

■ KHS-11*

Heavy Duty Earphone



■ KEP-1*

Heavy Duty Earphone



■ KRA-22/23

VHF/UHF Helical Antenna



■ KRA-26/27

VHF/UHF Whip Antenna



■ KRA-16/17

VHF/UHF Stubby Antenna



■ KRA-25

VHF High Gain Antenna



■ KRA-28

VHF Broad
Band Antenna



■ VGS-1

Voice Guide
& Storage Unit



■ KBH-11

Belt Clip (2.5")



*CSA Radio Class I, Division 1, Groups A&B Certification. **CSA Radio Class I, Division 2, 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-200	NX-200S	NX-300	NX-300S
GENERAL					
Frequency Range	Type 1	136-174 MHz	136-174 MHz	400-470 MHz	400-470 MHz
	Type 2				
Number of Channels		512	64	512	64
Zones		128	4	128	4
Max. Channels per Zone		250	16	250	16
Channel Spacing	Analog	12.5 / 15 / 25 / 30 kHz		12.5 / 25 kHz	
	Digital		6.25 / 12.5 kHz		
Operating Voltage			7.5V DC ± 20%		
Battery Life (with KNB-48L)	5-5-90		Approx. 14.5 hours		
	10-10-80		Approx. 9.0 hours		
Operating Temperature Range	CSA Approval	-22° F to +140° F (-30° C to +60° C)			
Frequency Stability		± 2.0 ppm		± 1.0 ppm	
Antenna Impedance		50 Ω			
Dimensions (W x H x D)	Projections not included				
	Radio only	2.28 x 5.02 x 1.63 in (58 x 127.5 x 41.3 mm)			
	with KNB-47L with KNB-48L	2.28 x 5.02 x 1.63 in (58 x 127.5 x 41.3 mm) 2.28 x 5.02 x 1.91 in (58 x 127.5 x 48.5 mm)			
Weight (net)	Radio only	8.82 oz (250 g)			
	with KNB-47L	13.23 oz (375 g)			
	with KNB-48L	14.29 oz (405 g)			
IC Certification	Type 1	282D-378400		282D-378500	
	Type 2			282D-378501	

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.

		All Models
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.

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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 JVCKENWOOD Corporation and Icom Inc.
NEXEDGE® is a registered trademark of JVCKENWOOD Corporation.
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Footnotes from front:
1 Requires compatible PC software application or console.
2 S Version- pre-programmed key operation.
3 S Version- LCD dependent and some key-based functions not available.
4 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
International Protection Standard					
Dust & Water Protection	IP54/55/*67				

*IP67 Immersion provides the highest level of water & dust exclusion for most reliable wet or dust environment operations (1 meter of water for 30 min). Requires factory installation.

KENWOOD

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