

● GENERAL FEATURES

- 5 W (136-174 MHz) Models
- 5 W (400-470, 450-520* MHz) Models
- 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
- KMC-51/52 Digital Noise-Canceling 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
- Immersion (IP67) Option
- PC Serial Interface
- SDM Manual Input¹
- Transparent Data Mode¹
- Intrinsically Safe Option*
- VGS-1 Voice Guide/ Voice & GPS Data Storage Option
- Color Housing 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

● DIGITAL – CONVENTIONAL MODE

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

● MULTI-SYSTEM COMPATIBLE

- 8 Trunked Networks⁵
- UID Lists for each network

● SCAN

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

● ANALOG MODE – GENERAL

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

● MPT ZONES**

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

● 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

** Optional feature



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.

Options

■ KNB-47L

Li-Ion Battery
(1950mAh)



■ KNB-48L

Li-Ion Battery
(2550mAh)

KNB-48L

■ KNB-50NC

Ni-MH Battery
(2000mAh) Intrinsically Safe



■ 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



■ KMC-51/52

DSP Digital
Noise-Canceling
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")



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 Type 2	136-174 MHz	136-174 MHz	450-520 MHz 400-470 MHz	400-470 MHz
Number of Channels		512	64	512	64
Zones		128	4	128	4
Max. Channels per Zone		250	16	250	16
Channel Spacing	Analog Digital	12.5 / 15 / 25 / 30 kHz		12.5 / 25 kHz	
Operating Voltage		7.5V DC ± 20%			
Battery Life (with KNB-48L)	5-5-90 10-10-80	Approx. 14.5 hours Approx. 9.0 hours			
Operating Temperature Range		-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 with KNB-47L with KNB-48L	2.28 x 5.02 x 1.63 in (58 x 127.5 x 41.3 mm)			
Weight (net)	Radio only with KNB-47L with KNB-48L	9.17 oz (260 g) 13.23 oz (375 g) 14.29 oz (405 g)			
FCC ID	Type 1 Type 2	ALH378400		ALH378500 ALH378501	
IC Certification	Type 1 Type 2	282D-378400		282D-378500 282D-378501	

		All Models
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
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		5 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, 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:

- Requires compatible PC software application or console.
- 5 Version- pre-programmed key operation.
- 5 Version- LCD dependent and some key-based functions not available.
- These trunked features are primarily system programming and operational dependent. Priority Monitor also requires NX subscriber settings.
- Up to 8 different Trunked networks can be configured per radio (each in a zone)

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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.
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NEXEDGE™ is a registered trademark of JVCKENWOOD Corporation.

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
Immersion (Optional)	-	-	-	512.4/Procedure I	512.5/Procedure I
International Protection Standard					
Dust & Water Protection	IP54/55, IP67 (Optional)				

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.kenwood.com



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JVCKENWOOD Corporation

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