

NX-200/300

NEXEDGE™ VHF/UHF Digital & FM Portable Radios

NXDN™

FleetSync®
by KENWOOD

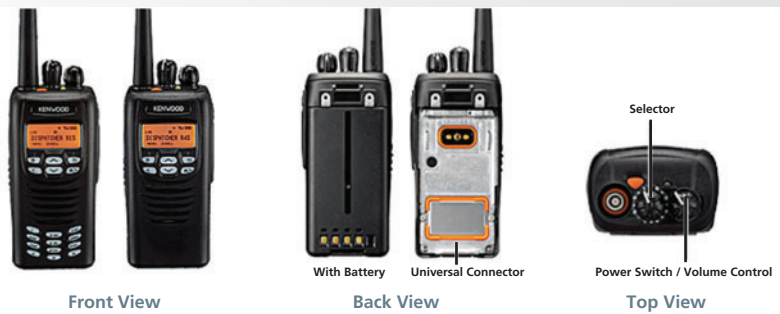
Clear Communication,
Optimum Coverage.

► Step Into The Digital Edge



MAIN FEATURES

- 512 CH-GID / 128 Zones
- Transmit/Busy/Call Alert/Warn LED
- 500 mW Speaker Audio
- Emergency Call Features
- Emergency Man-Down Option
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F
- MIL-STD "Driven-Rain"
- IP-54/55 Water & Dust Intrusion
- Intrinsically Safe Option
- Short & Long Data Messages Option
- GPS Location with Voice Option



GENERAL FEATURES

- NXDN™ Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Paging Call
- Emergency Call
- NXDN™ Scrambler
- Status Messaging
- Remote Stun/Kill

DIGITAL - CONVENTIONAL MODE

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

DIGITAL - TRUNKING MODE

- Individual Private Call
- Group Call
- Priority Monitor ID 1 & 2
- Broadcast Call
- Multi-Site IP Network Compatible

ACCESSORIES OPTIONS

- **KNB-50NC**
Li-Ion Battery (2000mAh)

FM

APPROVED

Intrinsically Safe

- **KNB-47L / KNB-48L**
Li-Ion Battery (1950 / 2550mAh)



- **KSC-32**
Tri-Chemistry Rapid Rate Charger



- **KMC-25**
Microphone



- **KMC-38GPS**
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 Standby Antenna



- **KRA-25**
VHF High Gain Antenna



- **KSC-326**
Multiple Charger



- **VGS-1**
Voice Guide & Storage Unit



- **KBH-11**
Belf 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-300
GENERAL			
Frequency Range	Type 1 Type 2	136-174 MHz	450-520 MHz 400-470 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	12.5 / 25 kHz 6.25 / 12.5 kHz
Operating Voltage		7.5V DC ± 20%	
Battery Life (with KNB-48L)	5-5-90 10-10-80	More than 14.5 hours More than 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	2.28 x 5.02 x 1.63 in (58 x 127.5 x 41.3 mm)	
	with KNB-47L	2.28 x 5.02 x 1.63 in (58 x 127.5 x 41.3 mm)	
	with KNB-48L	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)	
FCC ID	Type 1 Type 2	ALH378400	ALH378500 (Pending)
IC Certification	Type 1 Type 2	282D-378400	282D-378500 (Pending)

		NX-200	NX-300
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. 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 trademark of Kenwood Corporation and Icom Inc.
 NEXEDGE™ is a trademark of Kenwood Corporation.

APPLICABLE MIL-STD & IP

MIL Standard	MIL 810C Methods/Procedures	MIL 810D Methods/Procedures	MIL 810E Methods/Procedures	MIL 810F Methods/Procedures
Low Pressure	500.1/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	500.4/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
Low Temperature	502.1/Procedure I	502.2/Procedure I, II	502.3/Procedure I, II	502.4/Procedure I, II
Temperature Shock	503.1/Procedure I	503.2/Procedure I	503.3/Procedure I	503.4/Procedure I, II
Solar Radiation	505.1/Procedure I	505.2/Procedure I	505.3/Procedure I	505.4/Procedure I
Rain	506.1/Procedure I, II	506.2/Procedure I, II	506.3/Procedure I, II	506.4/Procedure I, III
Humidity	507.1/Procedure I, II	507.2/Procedure II, III	507.3/Procedure II, III	507.4
Salt Fog	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4
Dust	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I	510.4/Procedure I, III
Vibration	514.2/Procedure VIII, X	514.3/Procedure I	514.4/Procedure I	514.5/Procedure I
Shock	516.2/Procedure I, II, V	516.3/Procedure I, IV	516.4/Procedure I, IV	516.5/Procedure I, IV
International Protection Standard				
Dust & Water Protection	IP54			
	IP55			

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.

Kenwood Corporation

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