

# KENWOOD

Listen to the Future

NEW PRODUCT INFORMATION

## NEXEDGE™

# NX-200/300

NEXEDGE™ VHF/UHF Digital & FM Portable Radios

**NXDN™**

**FleetSync®**  
by KENWOOD

### ● GENERAL FEATURES

- 5 W (136-174 MHz) Models
- 5 W (450-520 MHz) Models
- 512 CH-GID / 128 Zones
- 12-Key Keypad Models
- 14 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- 3-Digit Sub-Display
- Function/Status LCD Icons
- RSSI Indicator
- 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
- Emergency/AUX Key
- 500 mW Speaker Audio
- VOX Ready
- Emergency Call Features
- Emergency Man-Down Option
- Special Alert Tone Patterns
- Time Out Timer
- Busy Channel Lockout
- LCD Battery Status Indicator
- Low Battery Alert
- Battery Saver
- Weather-sealed ACC Connector
- MIL-Spec Speaker Mic Options
- KMC-38GPS Speaker Mic Option
- KPG-111D Windows® FPU
- Flash Firmware Upgrading
- Front Panel Test & Tune
- Cloning
- MIL-STD-810 C/D/E/F
- MIL-STD "Driven-Rain"
- IP-54/55 Water & Dust Intrusion
- Easy Option Port
- Intrinsically Safe Option\*
- VGS-1 Voice Guide/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
- NXDN™ Scrambler
- Status Messaging\*
- Remote Stun/Kill\*
- Short & Long Data Messages\*
- GPS Location with Voice\*

### ● 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
- Late Entry
- Broadcast Call
- Remote Group Add\*
- Multi-Site IP Network Compatible\*

### ● SCAN TYPES (FM & NXDN™ CONVENTIONAL)

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

### ● FM MODES – GENERAL

- 25 & 12.5 kHz Channels
- FleetSync®/II
- DTMF Encode / Decode
- Companded Audio
- Voice Inversion Scrambler
- Encryption/ANI Board Control\*

### ● FM CONVENTIONAL ZONES

- QT / DQT
- Two-Tone Decode
- Single/Two-Tone Encode
- Call Key 1-5
- Operator Selectable Tone

### ● FM LTR® TRUNKED ZONES

- Kenwood LTR® Features

### ● FleetSync®/II (FM)

- PTT ID Digital ANI
- Selective Call & Group Call
- Status Messaging
- Emergency Status
- Caller ID Display
- Short Text Messages
- Power On/Off Status Messages
- Send/Display GPS (KMC-38GPS)
- PTT ID & Emergency GPS Reporting
- Status Message Block GPS Reporting
- VGS-1 GPS Data Storage
- PC Serial Interface

\* Some features/options are available in future releases.



KenwoodLandMobileRadio  
**25**Years

## Options

### ■ KNB-47L

Li-Ion Battery  
(1950mAh)



KNB-48L

### ■ KNB-48L

Li-Ion Battery  
(2550mAh)

### ■ KSC-32

Tri-Chemistry Rapid  
Rate Charger



### ■ KMC-25

Microphone



### ■ KHS-11

Heavy Duty Earphone



### ■ KEP-1

Heavy Duty Earphone



### ■ KCT-48VU

Vibration Adaptor



### ■ 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

GENERAL		NX-200	NX-300
<b>Models</b>	<b>Basic Model w / 12 key</b>	NX-200K NX-200K2	NX-300K NX-300K3
<b>Frequency Range</b>		136-174 MHz	450-520 MHz
<b>Number of Channels</b>		512	
<b>Zones</b>		128	
<b>Max. Channels per Zone</b>		250	
<b>Channel Spacing</b>	<b>Analog</b>	12.5 / 15 / 25 / 30 kHz	12.5 / 25 kHz
	<b>Digital</b>	6.25 / 12.5 kHz	6.25 / 12.5 kHz
<b>Operating Voltage</b>		7.5V DC ± 20%	
<b>Battery Life ( with KNB-48L)</b>	<b>5-5-90</b>	More than 12.5 hours	
	<b>10-10-80</b>	More than 8.5 hours	
<b>Operating Temperature Range</b>		-22° F to +140° F (-30° C to +60° C)	
<b>Frequency Stability</b>		± 2.0 ppm	± 1.0 ppm
<b>Antenna Impedance</b>		50 Ω	
<b>Dimensions (W x H x D)</b>	Projections not included		
	<b>Radio only</b>	2.28 x 5.02 x 1.63 in (58 x 127.5 x 41.3 mm)	
	<b>with KNB-47L</b>	2.28 x 5.02 x 1.63 in (58 x 127.5 x 41.3 mm)	
	<b>with KNB-48L</b>	2.28 x 5.02 x 1.91 in (58 x 127.5 x 48.5 mm)	
<b>Weight (net)</b>	<b>Radio only</b>	8.82 oz (250 g)	
	<b>with KNB-47L</b>	13.23 oz (375 g)	
	<b>with KNB-48L</b>	14.29 oz (405 g)	
<b>FCC ID</b>		ALH378400	ALH378500
<b>IC Certification</b>		282D-378400	282D-378500

		NX-200	NX-300
<b>RECEIVER</b>			
<b>Sensitivity</b>	<b>Digital @ 6.25kHz (3% BER)</b>	0.20 μV	
	<b>Digital @ 12.5kHz (3% BER)</b>	0.25 μV	
	<b>Analog (12 dB SINAD)</b>	0.25 μV	
<b>Selectivity</b>	<b>Analog @ 25 kHz</b>	72 dB	
	<b>Analog @ 12.5 kHz</b>	65 dB	
<b>Intermodulation Distortion</b>	<b>Analog</b>	70 dB (±50,100 kHz)	
<b>Spurious Response</b>	<b>Analog</b>	70 dB	
<b>Audio Distortion</b>		Less than 3%	
<b>Audio Output</b>		500 mW / 8 Ω	
<b>TRANSMITTER</b>			
<b>RF Power Output</b>		5 W / 1 W	
<b>Spurious Response</b>		70 dB	
<b>FM Hum &amp; Noise</b>	<b>Analog @ 25 kHz</b>	45 dB	
	<b>Analog @ 12.5 kHz</b>	40 dB	
<b>Audio Distortion</b>		Less than 3%	
<b>Modulation</b>		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
<b>Low Pressure</b>	500.1/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	500.4/Procedure I, II
<b>High Temperature</b>	501.1/Procedure I, II	501.2/Procedure I, II	501.3/Procedure I, II	501.4/Procedure I, II
<b>Low Temperature</b>	502.1/Procedure I	502.2/Procedure I, II	502.3/Procedure I, II	502.4/Procedure I, II
<b>Temperature Shock</b>	503.1/Procedure I	503.2/Procedure I	503.3/Procedure I	503.4/Procedure I, II
<b>Solar Radiation</b>	505.1/Procedure I	505.2/Procedure I	505.3/Procedure I	505.4/Procedure I
<b>Rain</b>	506.1/Procedure I, II	506.2/Procedure I, II	506.3/Procedure I, II	506.4/Procedure I, III
<b>Humidity</b>	507.1/Procedure I, II	507.2/Procedure II, III	507.3/Procedure II, III	507.4
<b>Salt Fog</b>	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4
<b>Dust</b>	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I	510.4/Procedure I, III
<b>Vibration</b>	514.2/Procedure VIII, X	514.3/Procedure I	514.4/Procedure I	514.5/Procedure I
<b>Shock</b>	516.2/Procedure I, II, V	516.3/Procedure I, IV	516.4/Procedure I, IV	516.5/Procedure I, IV
<b>International Protection Standard</b>				
<b>Dust &amp; Water Protection</b>	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.

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