

KENWOOD

Listen to the Future

NEXEDGE®

NX-220/320

NEXEDGE® VHF/UHF Digital & FM Portable Radios

NXDN®

FleetSync®
by KENWOOD

5-tone

GENERAL FEATURES

- 5 W (136-174 MHz) Models
- 5 W (400-470 MHz) Models
- Meets ETSI EN Standards
- 260 CH-GID / 128 Zones (LCD Models)
- 64 CH-GID / 4 Zones (Non LCD Models)
- 12-Key Keypad Models
- 8 Character Alphanumeric Aliases
- Backlit LCD & Keys
- Function / Status LCD Icons
- Transmit / Busy / Call Alert / Warn LED
- On / Off Volume Knob
- 16-Position Mechanical Selector
- 4 Front PF Keys (LCD Models)
- 3 Side PF Keys
- Emergency / AUX Key
- Built-in Motion Sensor
- 500 mW Speaker Audio
- Zone / CH Number Voice Announcement
- KMC-48GPS Speaker Mic Option
- KPG-141D Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP54/55 Water & Dust Intrusion
- PC Serial Interface
- SDM Manual Input*¹
- Transparent Data Mode*¹

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 / Kill*¹
- Remote Check*¹
- Short & Long Data Messages*¹
- GPS Location with Voice*¹
- NXDN® Scrambler Included

DIGITAL – CONVENTIONAL MODE

- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call*³
- Mixed FM / Digital Operation
- Conventional IP Networks
- Site Roaming

DIGITAL – TRUNKING MODE

- Individual Private Call
- Group Call & Broadcast Call
- Telephone Interconnect
- Transmission Trunked Mode*⁴
- Message Trunked Mode*⁴
- Call Queuing with Priority*⁴
- Late Entry (UID & GID)*⁴
- 4 Priority Monitor ID's*⁴
- Remote Group Add*¹
- Failsoft Mode

MULTI-SITE IP NETWORK COMPATIBLE

- 60,000 GIDs / UIDs
- Wide Area Group Call
- Auto Roaming Registration
- Group Registration

SCAN

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

FM MODES – GENERAL

- 25, 20 & 12.5 kHz Channels
- Conventional & LTR® Zones
- FleetSync® / II, MDC-1200, DTMF*³
- QT / DQT & 2-Tone (Conventional Zones only)*³
- 5-Tone Encode/Decode (Conventional Zones Only)*³
- Voice Inversion Scrambler (16 Codes)

FleetSync® / II (FM)

- PTT ID ANI / Caller ID*³
- Selective / Group Call*³
- Emergency, Status & Text Messages*¹

MDC-1200

- PTT ID ANI / Caller ID*³
- Emergency, Radio Check & Inhibit

¹ Requires NX subscriber unit PC Serial Interface compatible software application (e.g. Kenwood AVL & Dispatch Messaging software) or hardware (e.g. console).

² Non LCD Models - Pre-programmed key operation

³ Non LCD Models - Some screen / key-based functions are not available.

⁴ These trunked features are primarily system programming and operational dependent. Priority Monitor also requires NX subscriber settings.



Technische Specificaties | Spécifications Techniques

		NX-220	NX-320
GENERAL			
Frequency Range		136 ~ 174 MHz	400 ~ 470 MHz
Number of Channels	LCD models	260 Channels	
	Non LCD models	64 Channels	
Zones	LCD models	128 Zones	
	Non LCD models	4 Zones	
Max. Channels/Zone	LCD models	250 Channels	
	Non LCD models	16 Channels	
Channel Spacing		Analogue 12.5 20 25 kHz Digital 6.25 12.5 kHz	
Operating Voltage		7.5 V DC ± 20%	
Operating Temperature Range		-30°C to +60°C	
Frequency Stability		± 2.0 ppm	± 1.0 ppm
Antenna Impedance		50 Ohm	
Battery Life (5-5-90)	KNB-55L (1480 mAh)	± 8.5 hours	
	KNB-56N (1400 mAh)	± 8.5 hours	
	KNB-57L (2000 mAh)	± 11.5 hours	
Dimensions (W x H x D) Projections not included			
	LCD models	56.0 x 110.5 x 36.9 mm (radio only)	
		56.0 x 110.5 x 37.5 mm (with KNB-55L)	
		56.0 x 110.5 x 39.5 mm (with KNB-57L)	
	Non LCD models	56.0 x 110.5 x 37.5 mm (radio only)	
		56.0 x 110.5 x 38.1 mm (with KNB-55L)	
		56.0 x 110.5 x 40.1 mm (with KNB-57L)	
Weight (net)	LCD models	210 g (radio only)	
		305 g (with KNB-55L)	
		330 g (with KNB-57L)	
	Non LCD models	205 g (radio only)	
		300 g (with KNB-55L)	
		325 g (with KNB-57L)	
Applicable Standards	R & TTE	EN 300 086 EN 300 113 EN 300 219 EN 301 489 EN 301 166	
	ETSI Safety	EN 60065 EN 60950-1 EN 60215	

		NX-220	NX-320
RECEIVER			
Sensitivity (Analogue)	EIA 12 dB SINAD	0.28 µV 0.28 µV 0.32 µV	
	EN 20 dB SINAD	-3 dB (0.35 µV) -3 dB µV (0.35 µV) -1 dB µV (0.45 µV)	
Sensitivity (Digital)	3% BER	0.32 µV 0.25 µV	
	1% BER	-1 dB µV (0.45 µV) -4 dB µV (0.32 µV)	
Adjacent Channel Selectivity (Analogue)		76 dB 74 dB 68 dB	
25 kHz 20 kHz 12.5 kHz			
Intermodulation (Analogue)		65 dB	
Spurious Response Rejection (Analogue)		75 dB	
Audio Distortion		Less than 3%	
Audio Output		500 mW 8 Ohm	
TRANSMITTER			
RF Power Output	High	5 W	
	Low	1 W	
Modulation Limiting (Analogue)		± 5.0 kHz at 25 kHz ± 4.0 kHz at 20 kHz ± 2.5 kHz at 12.5 kHz	
Spurious Emission		-36 dBm ≤ 1 GHz -30 dBm > 1 GHz	
FM Noise (EIA)		45 dB 45 dB 40 dB	
Analogue, 25 kHz 20 kHz 12.5 kHz			
Modulation Distortion		Less than 3%	
Microphone Impedance		1.8 kOhm	
Modulation		16K0F3E, 14K0F3E, 14K0F2D, 12K0F2D, 8K50F3E, 7K50F2D, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D	

Analogue 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 registered trademark of Kenwood Corporation and Icom Inc.
NEXEDGE® is a registered trademark of Kenwood Corporation.

Toebehoren | Accessoires

LADERS | CHARGEURS

KSC-25E
Snellader (1 stuk)
Chargeur rapide (1 pc)



KSC-30
Lader Ni-MH batterijen
Chargeur batteries Ni-MH



KSC-256E
Multilader
Chargeur multiple



KMB-30M
Montagebeugel multilader
Support de montage chargeur multiple



BATTERIJEN | BATTERIES

KNB-55LM
Li-Ion batterij (7.2 V | 1480 mAh)
Batterie Li-Ion (7.2 V | 1480 mAh)



KNB-56NM
Ni-MH batterij (7.2 V | 1400 mAh)
Batterie Ni-MH (7.2 V | 1400 mAh)



KNB-57LM
Li-Ion batterij (7.2 V | 2000 mAh)
Batterie Li-Ion (7.2 V | 2000 mAh)



KBP-5M
AA opvulbaar batterijpack (6 x AA)
Boîtier piles type alcaline (6 x AA)



AUDIO ACCESSOIRES | ACCESSOIRES AUDIO

EMC-7W
Speldmicrofoon met oortelefoon & PTT
Micro-cravate avec oreillette & touche PTT



KEP-1 voor | pour KMC-48GPSW
Oortelefoon met klem & 3.5 mm plug
Oreillette avec pince & fiche 3.5 mm



KEP-2
Oortelefoon met klem & 2.5 mm plug
Oreillette avec pince & fiche 2.5 mm



KHS-7 | 7A
Hoofdtelefoon 1 oorstuk & "Boom"-microfoon
Micro-casque léger à un écouteur



KHS-8BL
Handpalmmicrofoon met oortelefoon
Microphone de poche bifilaire



KHS-9BL
Speldmicrofoon met oortelefoon & PTT
Micro-cravate avec oreillette & PTT



KHS-10-OH
Geluidreducerende hoofdtelefoon & microfoon
Casque réducteur de bruit (serre-tête)



KHS-21W
Lichtgewicht hoofdtelefoon
Casque léger



KHS-22
Lichtgewicht hoofdtelefoon & PTT |
Casque léger & PTT



KHS-29FW
"Boom"-microfoon met oorstuk & PTT
Micro-casque avec oreillette & PTT



KMC-21M
Luidspreker microfoon, 2.5 mm plug
Micro HP déporté, fiche 2.5 mm



KMC-45W
Luidspreker microfoon (IP55) & input 2.5 mm
Micro HP déporté (IP55) & entrée 2.5 mm



KMC-48GPSW
Luidspreker microfoon met GPS & input 3.5 mm*
Micro HP déporté avec GPS & entrée 3.5 mm*



ANTENNES | ANTENNES

KRA-22M
VHF korte antenne – M | M2 | M3
Antenne discrète VHF – M | M2 | M3



KRA-23M
UHF korte antenne – M | M3
Antenne discrète UHF – M | M3



KRA-26M
VHF antenne – M | M2 | M3
Antenne VHF – M | M2 | M3



KRA-27M
UHF antenne – M | M3
Antenne UHF – M | M3



DRAAGTASSEN | ETUIS

KBH-12M
Riemclip
Clip ceinture



KLH-183NCE
Nylon draagtas
Housse en nylon

KLH-184PCDE – D-ring
Hard lederen draagtas
Housse en cuir dur

KLH-185PGDE – D-ring
Hard lederen draagtas met "Swivel"
Housse en cuir dur avec "Swivel"

KWR-1M
Waterbestendige tas
Housse imperméabilisée



* enkel KEP-1 aansluitbaar | uniquement connectable avec le KEP-1

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 Electronics Belgium N.V.

Leuvensesteenweg 248J, 1800 Vilvoorde, Belgium
www.kenwood.be
http://nedge.kenwood.com

