

NEXEDGE

NXR-710/810

NEXEDGE™ VHF/UHF Digital & FM Base Units

NXDN® FleetSync®**

GENERAL FEATURES

- 136 174 MHz, 50 W
- 400 470, 450 520* MHz, 40 W
- Repeater Operation
- Duplex / Simplex Base Operation
- 30 CH Scanning Base
- Two-Digit LED Display
- 6 Lighted Programmable Function Keys
- · Front Panel Speaker
- Rear External Speaker Output (4 Watts Audio)
- Volume Control
- Microphone Jack
- Program Interface
- Remote Termination Interface
- Programmable AUX I/O's
- DTMF Front Panel PF Key Control
- DTMF AUX Output Control
- DTMF AUX Input Monitoring
- Windows® PC Programming
- Flash Firmware Upgrading

DIGITAL – CONVENTIONAL MODE

- NXDN® Digital Air Interface
- Conventional IP Network*
- AMBE+2[™] VOCODER
- 6.25 & 12.5 kHz Channels
- Mixed FM / Digital Operation
- NXDN® Scrambler Built-in
- 16 RAN Repeater Control Built-in
- 1,000 GIDs Per Site
- 1,000 UIDs Per Site
- Individual & Group Selective Call
- All Group Call
- NXR Over-the-Air Alias

FM MODES - GENERAL

- VHF: 25 & 12.5 kHz Channels
- UHF: 25 & 12.5 kHz Channels
- Built-in Scrambler

FM CONVENTIONAL MODE

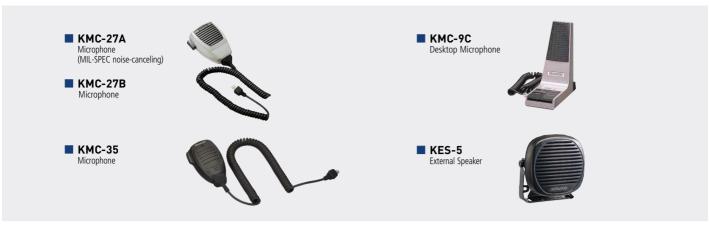
- 16 QT/DQT Repeater Control Built-in
- · Hang Timer / Time Out Timer / CW ID
- External FM Controller Interface
- EIA Voter Tone Generation

FM TRUNKED MODE

- External LTR® Controller Interface
- External MPT Controller Interface
- * Future availability



Options



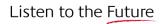
All accessories and options may not be available in all markets. Contact an authorized Kenwood dealer for details and complete list of all accessories and options.

Main Specifications

		NXR-710	NXR-810	
GENERAL				
Frequency Range		136-174 MHz	400-470 MHz	
Number of Channels		30		
Channel Spacing	Analog Digital	12.5 / 15 / 25 / 30 kHz 6.25 / 7.5 / 12.5 / 15 kHz	12.5 / 25 kHz 6.25 / 12.5 kHz	
PLL Channel Step		2.5 / 3.125 kHz	3.125 / 5 kHz	
Current Drain	Standby Receive Transmit	0.5 A 1.0 A 11.0 A		
TX Power	50% Duty	50 W	40 W	
	100% Duty	25 W	25 W	
Frequency Stability		± 1.0 ppm	± 0.5 ppm	
Operating Voltage		10.8 - 15.6 V DC		
Operating Temperature Range		-30° C to +60° C		
Antenna Impedance		50 Ω		
Dimensions (W x H x D) , Projections not included		483 x 88 x 340 mm		
Weight (net)		9.7 kg		
RECEIVER		·		
Sensitivity	Digital @ 6.25kHz (3% BER) Digital @ 12.5kHz (3% BER) Analog (12 dB SINAD)	0.22 μV 0.28 μV 0.28 μV		
Selectivity	Analog @ 25 kHz Analog @ 12.5 kHz	83 dB 77 dB	80 dB 74 dB	
FM Hum & Noise	Analog @ 25 kHz Analog @ 12.5 kHz	55 dB 50 dB		
Intermodulation Distortion		80 dB		
Spurious Response			90 dB	
Audio Distortion (Ext. SP)			Less than 2.5% at 1000 Hz	
Audio Output (Ext. SP)		4 W (at 4Ω , less than 5% distortion)		
TRANSMITTER		25.111. 50.11	25.144	
RF Power Output		25 W to 50 W	25 W to 40 W	
Spurious & Harmonics FM Hum & Noise	Analan @ 25 kHz	80 dB 55 dB		
rivi mum & Noise	Analog @ 25 kHz Analog @ 12.5 kHz		55 dB	
Audio Distortion			Less than 1% at 1000 Hz	
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 Transcrypt International.
AMBE+2™ is a trademark of Digital Voice Systems Inc.
Windows® and Windows 2000/XP/Vista® are registered trademarks of Microsoft Corporation.
NXDN® is a registered trademark of Kenwood Corporation and Icom Inc.
NEXEDGE™ is a trademark of Kenwood Corporation in U.S.A. and some countries.



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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