

NEXEDGE®

NXR-710/810

NEXEDGE® VHF/UHF Digital & FM Base Units

NXDN®

● GENERAL FEATURES

- 136 - 174 MHz, 50 W
- 400 - 470, 450 - 520 MHz, 40 W
- 50 / 40 W @ 50 % Duty
- 25 / 25 W @ 100 % Duty
- 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
- Program Interface
- Remote Termination Interface
- Programmable AUX I/O's
- RF Power Down Detect
- 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
- Receiver Voting
- Firmware Remote Programming

● 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



Options

■ KMC-27A

Microphone
(MIL-SPEC noise-canceling)



■ KMC-27B

Microphone



■ KMC-35

Microphone

■ KMC-9C

Desktop Microphone



■ KES-5

External Speaker



■ KTI-3

Network Interface Unit



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

Main Specifications

		NXR-710	NXR-810
GENERAL			
Frequency Range	K Type K2 Type	136-174 MHz	450-520 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	
Current Drain	Standby Receive Transmit		0.5 A 1.0 A 11.0 A
TX Power	50% Duty 100% Duty	50 W 25 W	40 W 25 W
Frequency Stability		± 1.0 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 4 Ω, less than 5% distortion)	
TRANSMITTER			
RF Power Output		25 W to 50 W	25 W to 40 W
Spurious & Harmonics		80 dB	
FM Hum & Noise	Analog @ 25 kHz Analog @ 12.5 kHz		55 dB 50 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.
Specifications are subject to change without notice, due to advancements in technology.

LTR® is a registered trademark of Transcript International.
AMBE+2™ is a trademark of Digital Voice Systems Inc.
Windows® is a registered trademarks of Microsoft Corporation.
NXDN® is a registered trademark of JVC KENWOOD Corporation and Icom Inc.
NEXEDGE® is a registered trademark of JVC KENWOOD Corporation in U.S.A. and some countries.

JVC KENWOOD Corporation

Professional Systems Business Group
Communications Equipment Division

1-16-2 Hakusan, Midori-ku, Yokohama-shi, Kanagawa, 226-8525 Japan

www.jvckenwood.co.jp/en

http://hexedge.kenwood.com



ISO9001 Registered
Communications Equipment Division
Professional Systems Business Group
JVC KENWOOD Corporation