



NXR-810E

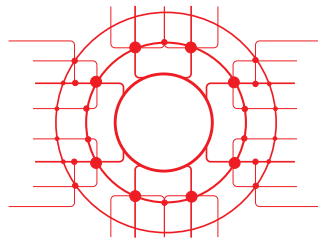
UHF Digital & FM Repeater | Base Unit

NXDN®



GENERAL FEATURES

- 400 ~ 470 MHz, 5 - 40W
- Repeater Operation
- Duplex|Simplex Base Operation
- 30 Channel Scanning Base
- Two-digit LED Display
- 6 Lighted Programmable Function Keys
- Front Panel Speaker
- Rear External Speaker Output (4W Audio)
- Volume Control
- Microphone Jack
- Programmable AUX I/O's
- DTMF Front Panel PF Key Control
- DTMF AUX Output Control
- DTMF AUX Input Monitoring
- External Frequency Reference (10 MHz) Connectivity
- Windows® PC Programming
- Flash Firmware Upgrading



DIGITAL – CONVENTIONAL MODE

- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Mixed FM|Digital Operation
- NXDN® Scrambler Built-in
- 16 RAN Repeater Control Built-in
- 1000 GIDs per Site
- 1000 UIDs per Site
- NXR Over-the-Air Alias

FM MODES – GENERAL

- 25, 20 & 12.5 kHz Channels
- Built-in Scrambler

FM CONVENTIONAL MODES

- 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 MPT Controller Interface



Technische Specificaties | Spécifications Techniques

GENERAL	NXR-810E
Frequency Range	400 ~ 470 MHz
Number of Channels	30 Channels
Channel Spacing	25 kHz 20 kHz 12.5 kHz
Analogue	12.5 kHz 6.25 kHz
Digital	
PLL Channel Step	5 kHz 3.125 kHz
Operating Voltage	
Standby	0.5 A
Receive	1.0 A
Transmit	11.0 A
Duty Cycle (TX, RX)	100 % at 25W 50 % at maximum power
Operating Voltage	13.2VDC (10.8 ~ 15.6VDC)
Operating Temperature Range	-30°C ~ +60°C
Frequency Stability	± 1.0 ppm
Antenna Impedance	50 Ohm
Dimensions (W x H x D)	483 x 88 x 340 mm – Projections not included –
Weight (approx. net)	9,70 kg
Applicable Standards	
ETSI 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

Kenwood volgt een politiek van voortdurende vooruitgang in de technische ontwikkeling.
Om deze reden kunnen de specificaties zonder voorafgaande kennisgeving worden gewijzigd.
Kenwood suit une politique d'évolution permanente dans son développement.
Les spécifications sont susceptibles de changer sans préavis.

RECEIVER	NXR-810E
Sensitivity (Analogue)	0.28 µV
EIA 12 dB SINAD	-3 dB µV
EN 20 dB SINAD	
Sensitivity (Digital)	0.28 µV 0.22 µV
3% BER	-4 dB µV -6 dB µV
1% BER	
– 12.5 kHz 6.25 kHz –	
Adjacent Channel Selectivity (Analogue)	80 dB 78 dB 74 dB
Intermodulation (Analogue)	72 dB
Spurious Response Rejection (Analogue)	85 dB
Audio Distortion	Less than 2 % at 1000 Hz
Audio Output	4W at 4 Ohm, less than 5 % distortion
TRANSMITTER	NXR-810E
RF Power Output	40W
High	5W
Low	
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 (Analogue)	55 dB 53 dB 50 dB
EIA	
Modulation Distortion	Less than 1 % at 1000 Hz
Modulation	16K0F3E, 14K0F3E, 14K0F2D, 12K0F2D, 8K50F3E, 7K50F2D, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D

Toebehoren | Accessoires

MICROFOONS | MICROPHONES

KMC-30M
Microfoon
Microphone



KMC-35M
Robuuste microfoon (IP55)
Microphone robuste (IP55)



KMC-9CM
Tafelmicrofoon
Microphone à poser



LUIDSPREKERS | HAUT-PARLEURS

KES-5M
Externe luidspreker – 20 Watt, 4 Ohm
Haut-parleur externe – 20 Watt, 4 Ohm



DIVERSEN | DIVERS

KPS-RPT
Voeding "Low Profile"
Alimentation "Low Profile"



PROGRAMMATIE | PROGRAMMATION

KCT-53UM
USB adaptor
Adaptateur USB



KPG-46AM
Programmeerkabel
Câble de programmation



KPG-129DM
Software
Logiciel

