



## NXR-710E

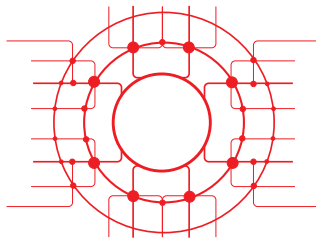
VHF Digital & FM Repeater | Base Unit

**NXDN®**



### GENERAL FEATURES

- 136 ~ 174 MHz, 5 - 50 W
- 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-710E
Frequency Range	136 ~ 174 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	3.125 kHz   2.5 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-710E
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)	83 dB   81 dB   77 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-710E
RF Power Output	50W
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

