



## NX-700E

VHF Digital & FM Mobile Transceiver

**NXDN®** FleetSync®

**5-tone**



### DIGITAL – GENERAL

- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Paging Call
- Emergency Call
- All Group Call
- Advanced Transparent Data Mode<sup>1</sup>
- NXDN® Scrambler Included

### DIGITAL – CONVENTIONAL MODE

- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call
- Mixed FM | Digital Operation

### DIGITAL – TRUNKING MODE

- Individual Private Call
- Group Call
- Broadcast Call
- Failsoft Mode

### SCAN

- Single | Multi-Zone Scan
- List Scan
- Dual Priority Scan (Conventional)

### FM MODES – GENERAL

- 25, 20 & 12.5 kHz
- FleetSync® II
- DTMF Encode | Decode
- Companded Audio
- Voice Inversion Scrambler
- ANI Board Control

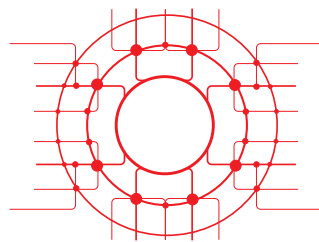
### FM CONVENTIONAL ZONES

- QT | DQT
- Two-Tone Decode
- Single | Two-Tone Encode
- 5-Tone Encode | Decode
- Call Key 1-6
- Operator Selectable Tone
- Voting

### FLEETSYNC®/II (FM)

- PTT ID Digital ANI
- Selective Call & Group Call
- Emergency Status
- Caller ID Display

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



## Technische Specificaties | Spécifications Techniques


GENERAL	NX-700E
<b>Frequency Range</b>	136 ~ 174 MHz
<b>Number of Channels</b> Zones Max. Channels per Zone	512 Channels 128 Zones 250 Channels per Zone
<b>Channel Spacing</b> Analogue Digital	25 kHz   20 kHz   12.5 kHz 12.5 kHz   6.25 kHz
<b>Operating Voltage</b>	13.2 V DC (10.8 ~ 15.6 V DC)
<b>Operating Temperature Range</b>	-30°C ~ +60°C
<b>Frequency Stability</b>	± 1.7 ppm
<b>Antenna Impedance</b>	50 Ohm
<b>Dimensions (W x H x D)</b>	160 x 45 x 157 mm – Projections not included –
<b>Weight (approx. net)</b>	1,38 kg
<b>Applicable Standards</b> 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	NX-700E
<b>Sensitivity (Analogue)</b> EIA 12 dB SINAD EN 20 dB SINAD	0.25 µV -3 dB µV
<b>Sensitivity (Digital)</b> 3% BER 1% BER – 12.5 kHz   6.25 kHz –	0.28 µV   0.20 µV -2 dB µV   -5 dB µV
<b>Adjacent Channel Selectivity (Analogue)</b>	80 dB   78 dB   70 dB
<b>Intermodulation (Analogue)</b>	70 dB
<b>Spurious Response Rejection (Analogue)</b>	80 dB
<b>Audio Distortion</b>	Less than 3%
<b>Audio Output</b>	4 W   4 Ohm
TRANSMITTER	NX-700E
<b>RF Power Output</b> High Low	25 W 1 W
<b>Modulation Limiting (Analogue)</b>	± 5.0 kHz at 25 kHz ± 4.0 kHz at 20 kHz ± 2.5 kHz at 12.5 kHz
<b>Spurious Emission</b>	-36 dBm (≤ 1 GHz) -30 dBm (> 1 GHz)
<b>FM Noise (Analogue)</b> EIA	50 dB   50 dB   45 dB
<b>Modulation Distortion</b>	Less than 3%
<b>Modulation</b>	16K0F3E, 14K0F3E, 14K0F2D, 12K0F2D, 8K50F3E, 7K50F2D, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D

## Toebehoren | Accessoires

### MICROFOONS | MICROPHONES

<b>KMC-30M</b> Microfoon Microphone	
<b>KMC32M</b> Microfoon met toetsenblok Microphone avec clavier	
<b>KMC-35M</b> Robuuste microfoon (IP55) Microphone robuste (IP55)	
<b>KMC-36M</b> Robuuste microfoon met toetsenblok (IP55) Microphone robuste avec clavier (IP55)	
<b>KMC-9CM</b> Tafelmicrofoon Microphone à poser	




### LUIDSPREKERS | HAUT-PARLEURS

<b>KES-5M</b> Externe luidspreker – 20 Watt, 4 Ohm Haut-parleur externe – 20 Watt, 4 Ohm	
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### DIVERSEN | DIVERS

<b>KAP-2M</b> PA - externe alarmering Unité de sonorisation /Alerte klaxon	
<b>KCT-23M</b> Voedingsnoer - 3 m Câble alimentation - 3 m	
<b>KCT-23M3</b> Voedingsnoer - 7 m Câble alimentation - 7 m	
<b>KCT-46M</b> Contactkabel Câble d'allumage automatique	
<b>KDI-03</b> DIN montagekabel Support de montage (DIN)	
<b>KLF-2M</b> Lijnfilter Filtre anti-bruit	
<b>KRK-10M</b> Extentiekit - 7 m Kit extension - 7 m	
<b>VGS-1W'</b> Spraaksynthesizer en opslageenheid Synthetiseur voix et unité d'enregistrement	

### PROGRAMMATIE | PROGRAMMATION

<b>KCT-53UM</b> USB adaptor Adaptateur USB	
<b>KAS-10M</b> "AVL & Dispatching" software Logiciel "AVL & Dispatching"	
<b>KPG-46AM</b> Programmeerkabel Câble de programmation	
<b>KPG-111DM</b> Software Logiciel	

<sup>1</sup>VGS-1 dient geïnstalleerd te worden door een gekwalificeerde Kenwood technicus zodat de IP-67 norm (water- & stofbestendig) steeds wordt gerespecteerd. | Pour garantir la norme IP67 (protection contre l'eau et poussière), le VGS-1 peut être exclusivement installé par un technicien qualifié de Kenwood.