



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 Mode¹
- 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

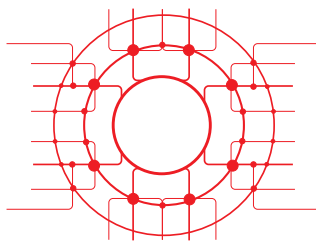
- 25, 20 & 12.5 kHz
- FleetSync® II
- DTMF Encode | Decode
- Companded Audio
- Voice Inversion Scrambler
- ANI Board Control

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



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

Toebehoren | Accessoires

MICROFOONS MICROPHONES	DIVERSEN DIVERS	PROGRAMMATIE PROGRAMMATION
KMC-30M Microfoon Microphone	KAP-2M PA - externe alarmering Unité de sonorisation /Alerte klaxon	KCT-53UM USB adaptor Adaptateur USB
KMC32M Microfoon met toetsenblok Microphone avec clavier	KCT-23M Voedingsnoer - 3 m Câble alimentation - 3 m	KAS-10M "AVL & Dispatching" software Logiciel "AVL & Dispatching"
KMC-35M Robuuste microfoon (IP55) Microphone robuste (IP55)	KCT-23M3 Voedingsnoer - 7 m Câble alimentation - 7 m	KPG-46AM Programmeerkabel Câble de programmation
KMC-36M Robuuste microfoon met toetsenblok (IP55) Microphone robuste avec clavier (IP55)	KCT-46M Contactkabel Câble d'allumage automatique	KPG-111DM Software Logiciel
KMC-9CM Tafelmicrofoon Microphone à poser	KDI-03 DIN montagekabel Support de montage (DIN)	
LUIDSPREKERS HAUT-PARLEURS	KLF-2M Lijnfilter Filtre anti-bruit	
KES-5M Externe luidspreker – 20 Watt, 4 Ohm Haut-parleur externe – 20 Watt, 4 Ohm	KRK-10M Extentiekit - 7 m Kit extension - 7 m	
	VGS-1W¹ Spraaksynthesizer en opslageenheid Synthetiseur voix et unité d'enregistrement	

¹VGS-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.