



NX-300S

UHF Digital & FM Portable Transceiver

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
- NXDN® Scrambler Included

DIGITAL – CONVENTIONAL MODE

- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call¹
- Mixed FM | Digital Operation
- Conventional IP Networks
- Site Roaming

DIGITAL – TRUNKING MODE

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



NXDN® FleetSync®
by KENWOOD



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
- Call Key 1-2
- Operator Selectable Tone
- Voting

FLEETSYNC®/II (FM)

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

¹ Some screen/key-based functions are not available on the NX-2005 | NX-300S.

Technische Specificaties | Spécifications Techniques

GENERAL	NX-300S
Frequency Range	400 ~ 470 MHz
Number of Channels Zones Max. Channels per Zone	64 Channels 4 Zones 16 Channels per Zone
Channel Spacing Analogue Digital	25 kHz 20 kHz 12.5 kHz 12.5 kHz 6.25 kHz
Operating Voltage	7.5 V DC ± 20%
Battery Life (with KNB-48L) 5-5-90 10-10-80	More than 14.5 hours More than 9.0 hours
Operating Temperature Range	-30°C to +60°C
Frequency Stability	± 1.0 ppm
Antenna Impedance	50 Ohm
Dimensions (W x H x D) Radio only with KNB-47L with KNB-48L	58 x 127.5 x 41.3 mm 58 x 127.5 x 41.3 mm 58 x 127.5 x 48.5 mm – Projections not included –
Weight (approx. net) Radio only with KNB-47L with KNB-48L	250 g 375 g 405 g
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-300S
Sensitivity (Analogue) EIA 12 dB SINAD EN 20 dB SINAD	0.28 µV 0.28 µV 0.32 µV -3 dB µV -3 dB µV -1 dB µV
Sensitivity (Digital) 3% BER 1% BER – 12.5 kHz 6.25 kHz –	0.32 µV 0.25 µV -1 dB µV -4 dB µV
Adjacent Channel Selectivity (Analogue)	76 dB 74 dB 68 dB
Intermodulation (Analogue)	65 dB
Spurious Response Rejection (Analogue)	75 dB
Audio Distortion	Less than 3%
Audio Output	500 mW 8 Ohm
TRANSMITTER	NX-300S
RF Power Output High Low	5 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	45 dB 45 dB 40 dB
Modulation Distortion	Less than 3%
Microphone Impedance	1.8 kOhm
Modulation	16K0F3E , 14K0F3E, 14K0F2D, 12K0F2D, 8K50F3E, 7K50F2D, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D

Toebehoren | Accessoires

LADERS | CHARGEURS

KSC-32E
Snellader (1 stuk)
Chargeur rapide (1 pc)



KVC-21
Lader voertuig (1 stuk) – 12 V
Chargeur voiture (1 pc) – 12 V



KSC-326E
Multilader
Chargeur multiple



KMB-30M
Montagebeugel multilader
Support de montage chargeur multiple



BATTERIJEN | BATTERIES

KNB-47LM
Li-Ion batterij (7.2 V | 1950 mAh)
Batterie Li-Ion (7.2 V | 1950 mAh)



KNB-48LM
Li-Ion batterij (7.2 V | 2550 mAh)
Batterie Li-Ion (7.2 V | 2550 mAh)



AUDIO ACCESSOIRES | ACCESSOIRES AUDIO

KEP-1*
Oortelefoon met klem & 3.5 mm plug
Oreillette avec pince & fiche 3.5 mm



KHS-11BL
Handpalmmicrofoon met oortelefoon
Microphone de poche bifilaire



KHS-12BL
Speldmicrofoon met oortelefoon & PTT
Micro-cravate avec oreillette & PTT



KHS-14
Lichte hoofdtelefoon met 1 luidspreker
Micro-casque léger avec un écouteur



KHS-15-OH
Robuuste hoofdtelefoon
Micro-casque robuste



KHS-15-BH
Robuuste hoofdtelefoon
Micro-casque robuste



KMC-38GPSW²
Luidspreker microfoon met GPS
Micro HP avec unité GPS



KMC-41M
Luidspreker microfoon
Micro HP déporté



KMC-42WM
Luidspreker microfoon (IP67)
Micro HP déporté (IP67)



ANTENNES | ANTENNES

KRA-23M
UHF korte antenne – M | M3
Antenne discrète UHF – M | M3



KRA-27M
UHF antenne – M | M3
Antenne UHF – M | M3



DIVERSEN | DIVERS

KBH-11M
Riemclip
Clip ceinture



KLH-174NC
Nylon draagtas
Housse en nylon



KLH-175PC
Hard lederen draagtas
Housse en cuir dur



KLH-176PG
Hard lederen draagtas met "Swivel"
Housse en cuir dur avec "Swivel"



VGS-1W
Spraaksynthesizer en opslageenheid
Synthétiseur voix et unité d'enregistrement



PROGRAMMATIE | PROGRAMMATION

KCT-53UM
USB adaptor
Adaptateur USB



KAS-10M
"AVL & Dispatching" software
Logiciel "AVL & Dispatching"



KPG-36AM
Programmeerkabel
Câble de programmation



KPG-111DM
Software
Logiciel



*KEP-1: in combinatie met KMC-38GPSW, KMC-41M of KMC-42WM. | KEP-1: en combinaison avec KMC-38GPS, KMC-41M ou KMC-42WM.
*KAS-10M software is noodzakelijk. | Le logiciel KAS-10M est une nécessité.