

OPTIONAL ACCESSORIES

- **KNB-45L/69L**
Li-ion BATTERY PACK (7.4 V/2000 mAh, 7.4 V/2450 mAh)
- **KNB-53N**
Ni-MH BATTERY PACK (7.2 V/1400 mAh)
- **KNB-82LC**
Li-ion BATTERY PACK (7.4 V/1900 mAh, Intrinsically Safe)*
*Available later
- **KSC-35S**
RAPID CHARGER (for Li-ion KNB-45L/69L/82LC)
- **KSC-43**
RAPID CHARGER (for Li-ion KNB-45L/69L/82LC & Ni-MH KNB-53N)
- **KSC-356A**
MULTIPLE CHARGER
(6-pocket for Li-ion KNB-45L/69L/82LC)
- **KSC-35SCR**
CHARGER POCKET (6-pocket for KMB-35A)



- **KMB-35A**
MULTI CHARGER ADAPTER (for KSC-35SCR)

- **KVC-22**
DC VEHICULAR CHARGER ADAPTER (for KSC-35S)



- **EMC-11/12**
CLIP MICROPHONE WITH EARPHONE (STD, EAR-HANGING)



- **KHS-35F**
HEADSET (EAR-HOOK)



- **KMC-45D**
SPEAKER MICROPHONE



- **KRA-22/23**
VHF/UHF HELICAL ANTENNA (Low Profile)



- **KRA-26**
VHF HELICAL ANTENNA (Standard Length)



- **KRA-27**
UHF WHIP ANTENNA (Standard Length)



- **KRA-41/42**
VHF/UHF STUBBY ANTENNA



- **KBH-10**
BELT CLIP



All accessories and options may not be available in all markets. Contact an authorised KENWOOD dealer for details and complete list of all accessories and options.

SPECIFICATIONS

| GENERAL | | NX-1200 | NX-1300 |
|--|-------------------|----------------------------|-------------|
| Frequency Range | | 136-174 MHz | 400-470 MHz |
| Max. Channels per Radio | | 260 (64 for no LCD models) | |
| Number of Zones | | 128 (4 for no LCD models) | |
| Max. Channels per Zone | | 250 (16 for no LCD models) | |
| Channel Spacing | Analogue | 25 / 20 / 12.5 kHz | |
| | Digital | 12.5 / 6.25 kHz | |
| Power Supply | | 7.5 VDC ±20 % | |
| Battery Life (5-5-90) | | TDMA | FDMA |
| | KNB-45L | 14.5 H | 11 H |
| | KNB-53N | 10 H | 7 H |
| | KNB-69L | 19 H | 14 H |
| Operating Temperature | | -30°C to +60°C | |
| Frequency Stability (-30 to +60°C; +25°C Ref.) | | ±0.5 ppm | |
| Dimensions (W x H x D) / Weight (net) | Radio only | 54 x 123 x 33.5 mm / 175 g | |
| | With KNB-45L/82LC | 54 x 123 x 33.5 mm / 295 g | |
| | With KNB-53N | 54 x 123 x 33.5 mm / 365 g | |
| Projections not included; for Std keypad model | With KNB-53N | 54 x 123 x 33.5 mm / 365 g | |
| | With KNB-69L | 54 x 123 x 37.5 mm / 310 g | |

Specifications are measured according to applicable standards. Specifications shown are typical and subject to change without notice, due to advancements in technology. Details and timing of firmware and software updates are subject to change without notice.

| RECEIVER | | NX-1200 | NX-1300 |
|--|---|---|---------|
| Sensitivity | NXDN@12.5/6.25 kHz 1 % BER | -4.4 dBµV _{emf} (0.30 µV) / -6.4 dBµV _{emf} (0.24 µV) | |
| | NXDN@12.5/6.25 kHz 3 % BER | -6.4 dBµV _{emf} (0.24 µV) / -8.4 dBµV _{emf} (0.19 µV) | |
| | DMR@12.5 kHz 1 % BER | -5.0 dBµV _{emf} (0.28 µV) | |
| | DMR@12.5 kHz 5 % BER | -8.0 dBµV _{emf} (0.20 µV) | |
| | Analogue (12 dB SINAD) (25/20/12.5 kHz) | -5.7 dBµV _{emf} (0.26 µV) / -5.4 dBµV _{emf} (0.27 µV) / -7.1 dBµV _{emf} (0.22 µV) | |
| Selectivity | Analogue (20 dB SINAD) (25/20/12.5 kHz) | -3.9 dBµV _{emf} (0.32 µV) / -3.6 dBµV _{emf} (0.33 µV) / -3.6 dBµV _{emf} (0.33 µV) | |
| | Analogue@25/20/12.5 kHz | 74 / 72 / 67 dB | |
| Intermodulation | | 65 dB | |
| Spurious Rejection | | 70 dB | |
| Audio Distortion | | 7 % | |
| Audio Output (Internal) | | 1 W | |
| TRANSMITTER | | NX-1200 | NX-1300 |
| RF Power Output | | 5 / 4 / 2.5 / 1 W | |
| Spurious Emission | | <1GHz ≤ -36dBm, 1GHz - 4GHz ≤ -30dBm | |
| FM Hum & Noise Analogue@25/20/12.5 kHz | | 45 / 45 / 40 dB | |
| Audio Distortion | | 2 % | |
| DMR Digital Protocol | | ETSI TS 102 361-1, -2, -3 | |
| Emission Designator | | 16K0F3E, 14K0F2D, 14K0F3E, 12K0F2D, 8K50F3E, 7K50F2D, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D, 7K60FXE, 7K60FXD | |

MIL-STD & IP

| MIL Standards | Methods / Procedures | | | | |
|------------------------------------|----------------------|----------------|----------------|---------------|---------------|
| | 810C | 810D | 810E | 810F | 810G |
| Low Pressure | 500.1/ I | 500.2/ I, II | 500.3/ I, II | 500.4/ I, II | 500.5/ I, II |
| High Temperature | 501.1/ I, II | 501.2/ I, II | 501.3/ I, II | 501.4/ I, II | 501.5/ I, II |
| Low Temperature | 502.1/ I | 502.2/ I, II | 502.3/ I, II | 502.4/ I, II | 502.5/ I, II |
| Temp. Shock | 503.1/ I | 503.2/ I | 503.3/ I | 503.4/ I, II | 503.5/ I |
| Solar Radiation | 505.1/ I | 505.2/ I | 505.3/ I | 505.4/ I | 505.5/ I |
| Rain*2 | 506.1/ I, II | 506.2/ I, II | 506.3/ I, II | 506.4/ I, III | 506.5/ I, III |
| Humidity | 507.1/ I, II | 507.2/ II, III | 507.3/ II, III | 507.4 | 507.5/ II |
| Salt Fog | 509.1/ I | 509.2/ I | 509.3/ I | 509.4 | 509.5 |
| Dust | 510.1/ I | 510.2/ I | 510.3/ I | 510.4/ I, III | 510.5/ I |
| Vibration | 514.2/ VIII, X | 514.3/ I | 514.4/ I | 514.5/ I | 514.6/ I |
| Shock | 516.2/ I, II, V | 516.3/ I, IV | 516.4/ I, IV | 516.5/ I, IV | 516.6/ I, IV |
| International Protection Standards | | IP54, 55 | | | |

*2 To meet MIL-810 and IP grade, audio accessory connector must be covered.

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