



## OPTIONAL ACCESSORIES

- **KNB-45L/69L**  
Li-ion BATTERY PACK (7.4 V/2000 mAh, 7.4 V/2450 mAh)
- **KNB-84L**  
Li-ion BATTERY PACK (7.4 V/1900 mAh)
- **KNB-82LC**  
Li-ion BATTERY PACK (7.4 V/1900 mAh, Intrinsically Safe)\*  
\*1 Available later
- **KNB-53N**  
Ni-MH BATTERY PACK (7.2 V/1400 mAh)
- **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/FM
	KNB-45L/84L	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	2.13 x 4.84 x 1.32 in / 6.17 oz (54 x 123 x 33.5 mm / 175 g)	
	With KNB-45L/82LC	2.13 x 4.84 x 1.32 in / 10.41 oz (54 x 123 x 33.5 mm / 295 g)	
	With KNB-53N	2.13 x 4.84 x 1.32 in / 12.88 oz (54 x 123 x 33.5 mm / 365 g)	
	With KNB-69L	2.13 x 4.84 x 1.48 in / 10.93 oz (54 x 123 x 37.5 mm / 310 g)	
Projections not included; for Std keypad model			

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 dBµVemf (0.30 µV) / -6.4 dBµVemf (0.24 µV)	
	NXDN@12.5/6.25 kHz 3% BER	-6.4 dBµVemf (0.24 µV) / -8.4 dBµVemf (0.19 µV)	
	DMR@12.5 kHz 1% BER	5.0 dBµVemf (0.28 µV)	
	DMR@12.5 kHz 5% BER	-8.0 dBµVemf (0.20 µV)	
Selectivity	Analogue (12 dB SINAD) (25/20/12.5 kHz)	-5.7 dBµVemf (0.26 µV) / -5.4 dBµVemf (0.27 µV) / -7.1 dBµVemf (0.22 µV)	
	Analogue (20 dB SINAD) (25/20/12.5 kHz)	-3.9 dBµVemf (0.32 µV) / -3.6 dBµVemf (0.33 µV) / -3.6 dBµVemf (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 Analog@12.5 / 25 kHz		45 / 45 / 40 dB	
Audio Distortion		2 %	
DMR Digital Protocol		ETSI TS 102 361-1, -2, -3	
Emission Designator		16K0F3E, 14K0F2D, 14K0F3E, 12K0F2D, 11K0F3E, 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 <sup>3</sup>	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					
Dust & Water <sup>2/3</sup>		IP54, 55, 67*3			

<sup>2</sup> To meet MIL-810 and IP grade, audio accessory connector must be covered.

<sup>3</sup> NX-1200DE/1300DE and NX-1200NE/1300NE models only, when used with KNB-84L Battery Pack

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