- VHF/UHF TRANSCEIVERS

NX-1200DV/1300DU K3/K6

Features

- Multi-protocol digital radio: Designed to operate under NXDN or DMR digital and FM
- analog protocols
- Direct and intuitive LCD with a full keypad enclosure
- Easy visible Display: 8-digit LCD models featuring high-contrast, white backlit LCD
- Large 7-Color LED indicator on the top panel
- Selective Power-on LED
- Selective Call Alert LED
- Battery Level Indication
- Multi-status function indication
- RF output power 5W both on VHF/UHF
- Mixed Zone - analog and digital
- Renowned KENWOOD Audio Quality: TX/RX audio profile with optimizable

- digital processor
- Audio Equalizer: Flat, High, Low
- Auto Gain Control: On, High, Low, Off
- Noise Suppressor
- Microphone type settings
- Multiple Scan Functions; Dual Priority, Single Priority, Single Zone, Multi,
- Normal Scan
- VOX & PTT –triggered Semi- VOX, Voice-operated TX
- Emergency Function: Customizable Emergency Profile
- Lone Worker
- Max / Min Volume setting & Volume control
- Voice Announcement
- Remote Stun / Kill / Check
- Front Panel Programming Mode
- Electronic Serial Number (ESN)
- MIL-STD-810 C/D/E/F/G
- IEC 60529 - IP54/55/67*
- *Radio must be installed with KNB-84LA

SPECIFICATIONS

General		NX-1200DV	NX-1300DU
Pre-set Frequencies	Type 1	136-174 MHz	450-520 MHz
	Type 2		400-470 MHz
Max. Channels per Radio		260	
Number of Zones		128	

Max. Channels per Zone		250	
Channel Spacing	Analog	30*1 / 25*1 / 15 / 12.5 kHz	
	Digital	12.5 / 6.25 kHz	
Power Supply		7.5 VDC ±20 %	
Battery Life		DMR	Analog/NXDN
KNB-45L/84LA (2000/1900mAh)		Approx. 14.5 hours	Approx. 11 hours
KNB-69L (2550mAh)		Approx. 19 hours	Approx. 14 hours
Operating Temperature(Radio only)*2		-22°F to +140°F (-30°C to +60°C)	
Frequency Stability (-30 to +60°C; +25°C Ref.)		±0.5 ppm	
Antenna Impedance		50 Ω	
Dimensions		(W x H x D) Projections Not Included	
Radio with KNB-45L/84LA		2.13 x 4.84 x 1.32 in (54 x 123 x 33.5 mm)	
Radio with KNB-69L		2.13 x 4.84 x 1.48 in (54 x 123 x 37.5 mm)	
Weight Radio Only		6.35 oz (180 g)	

Radio with KNB-45L/84LA		10.58 oz (300 g)	
Radio with KNB-69L		11.11 oz (315 g)	
FCC ID	Type 1	K44501001	K44501103
	Type 2		K44501102
IC Certification		282F-501001	282F-501102
Receiver		NX-1200DV	NX-1300DU
Sensitivity	NXDN® @ 6.25 kHz Digital (3% BER)	0.18 µV	
	NXDN® @ 12.5 kHz Digital (3% BER)	0.22 µV	
	DMR® @ 12.5 kHz Digital (1% BER)	0.25 µV	
	DMR® @ 12.5 kHz Digital (5% BER)	0.18 µV	
	Analog @ 12.5/25 kHz (12 dB SINAD)	0.20 µV / 0.24 µV	
Selectivity	Analog @ 12.5 / 25 kHz	68 dB / 74 dB	

Intermodulation Distortion		70 dB	
Spurious Rejection		70 dB	
Audio Distortion		7%	
Audio Output Power		1 W / 12 Ω (Internal Output)	
Transmitter		NX-1200DV	NX-1300DU
RF Power Output	(High / Low)	5 W / 4 W / 1 W	
Spurious Emission		-70 dB	
FM Hum & Noise	Analog @ 12.5 / 25 kHz	40 dB / 45 dB	
Audio Distortion		2%	
DMR Digital Protocol		ETSI TS 102 361-1, -2, -3	
Emission Designator		16K0F3E, 11K0F3E, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D, 7K60FXD, 7K60FXE	

*1 25 / 30 kHz in VHF/UHF Bands excluding T-Band are not included in the models sold in the USA or US territories.

*2 Operating temperature specification for a Li-ion battery is -10°C to +60°C [14°F to +140°F].

Analog measurements made per TIA603. Specifications are measured according to applicable standards. Specifications shown are typical and subject to change without notice, due to advancements in technology

MIL-STD & IP

MIL Standard	MIL 810C Methods/Procedures	MIL 810D Methods/Procedures	MIL 810E Methods/Procedures	MIL 810F Methods/Procedures	MIL 810G Methods/Procedures
Low Pressure	500.1/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	500.4/Procedure I, II	500.5/Procedure I, II
High Temperature	501.1/Procedure I, II	501.2/Procedure I, II	501.3/Procedure I, II	501.4/Procedure I, II	501.5/Procedure I, II
Low Temperature	502.1/Procedure I	502.2/Procedure I, II	502.3/Procedure I, II	502.4/Procedure I, II	502.5/Procedure I, II
Temperature Shock	503.1/Procedure I	503.2/Procedure I	503.3/Procedure I	503.4/Procedure I, II	503.5/Procedure I
Solar Radiation	505.1/Procedure I	505.2/Procedure I	505.3/Procedure I	505.4/Procedure I	505.5/Procedure I
Rain*	506.1/Procedure I, II	506.2/Procedure I, II	506.3/Procedure I, II	506.4/Procedure I, III	506.5/Procedure I, III
Humidity	507.1/Procedure I, II	507.2/Procedure II, III	507.3/Procedure II, III	507.4	507.5/Prcedure II

Salt Fog	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4	509.5
Dust	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I	510.4/Procedure I, III	510.5/Procedure I
Vibration	514.2/Procedure VIII, X	514.3/Procedure I	514.4/Procedure I	514.5/Procedure I	514.6/Procedure I
Shock	516.2/Procedure I, II, V	516.3/Procedure I, IV	516.4/Procedure I, IV	516.5/Procedure I, IV	516.6/Procedure I, IV
International Protection Standard					
Dust & Water Protection*	IEC 60529 - IP54/55/67**			*To meet MIL Standard and IEC 60529 spec, the 2-pin connector has to be fully sealed with supplied connector cover ** IEC 60529 IP67 is only applicable when radio is equipped with KNB-84LA	