

• VHF/UHF TRANSCEIVERS

NX-1200DV/1300DU

Features

- Multi-protocol digital radio: Designed to operate under NXDN or DMR digital and FM
- analog protocols
- Choose from direct & intuitive LCD with standard keypad or basic enclosures
- 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 (for Keypad model)
- Electronic Serial Number (ESN)
- MIL-STD-810 C/D/E/F/G
- IP54 and IP55
- Intrinsically safe option (Available later)

SPECIFICATIONS

General		NX-1200DV	NX-1300DU
Pre-set Frequencies	Type 1	136-174 MHz	450-520 MHz
	Туре 2		400-470 MHz
Max. Channels per Radio		260 (64 for basic model)	
Number of Zones		128 (4 for basic model)	

Max. Channels per Zor	ne	250 (16 for basic model) 30*1 / 25*1 / 15 / 12.5 kHz 12.5 / 6.25 kHz 7.5 VDC ±20 %		
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 (2000mAh)		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 (-3 Ref.)	0 to +60°C; +25°C	±0.5 ppm		
Antenna Impedance		50 Ω		
Dimensions		(W x H x D) Projections Not Included		
Radio with KNB-45L/82LCM		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		6.17 oz (175 g)		

Radio with KNB-45L/82LCM		10.41 oz (295 g)		
Radio with KNB-69L		10.93 oz (310 g)		
FCC ID	Туре 1	K44501000	K44501101 (pending)	
	Туре 2		K44501100	
IC Certification		282F-501000	282F-501100	
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)	0.24 μV / 0.20 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, 7K60F7W		

*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 are subject change without notice, due to advancements in technology.

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MIL Standar d	MIL 810C Methods/Proc edures	MIL 810D Methods/Proc edures	MIL 810E Methods/Proc edures	MIL 810F Methods/Proc edures	MIL 810G Methods/Proc edures
Low Pressure	500.1/Proced ure I	500.2/Proced ure I, II	500.3/Proced ure I, II	500.4/Proced ure I, II	500.5/Proced ure I, II
High Temper ature	501.1/Proced ure I, II	501.2/Proced ure I, II	501.3/Proced ure I, II	501.4/Proced ure I, II	501.5/Proced ure I, II
Low Temper ature	502.1/Proced ure I	502.2/Proced ure I, II	502.3/Proced ure I, II	502.4/Proced ure I, II	502.5/Proced ure I, II
Temper ature Shock	503.1/Proced ure I	503.2/Proced ure I	503.3/Proced ure I	503.4/Proced ure I, II	503.5/Proced ure I
Solar Radiatio n	505.1/Proced ure	505.2/Proced ure l	505.3/Proced ure I	505.4/Proced ure I	505.5/Proced ure I
Rain*	506.1/Proced ure I, II	506.2/Proced ure I, II	506.3/Proced ure I, II	506.4/Proced ure I, III	506.5/Proced ure I, III

MIL-STD & IP

Humidit	507.1/Proced	507.2/Proced	507.3/Proced	507.4	507.5/Prcedur
Y	ure I, II	ure II, III	ure II, III		e II
Salt Fog	509.1/Proced ure I	509.2/Proced ure I	509.3/Proced ure I	509.4	509.5
Dust	510.1/Proced	510.2/Proced	510.3/Proced	510.4/Proced	510.5/Proced
	ure l	ure I	ure I	ure I, III	ure I
Vibratio	514.2/Proced	514.3/Proced	514.4/Proced	514.5/Proced	514.6/Proced
n	ure VIII, X	ure I	ure I	ure I	ure I
Shock	516.2/Proced	516.3/Proced	516.4/Proced	516.5/Proced	516.6/Proced
	ure I, II, V	ure I, IV	ure I, IV	ure I, IV	ure I, IV
International Protection Standard					
Dust & Water Protection*		IP54/55*		To meet IP54/55, the 2-pin connector cover has to be connected on the radio or the locking bracket has to be attached to the external speaker microphone.	