



- VHF/UHF TRANSCEIVERS

NX-1700H/1800H

Features

- “One Radio” with Multi-protocol Support:
- Designed to operate under an NXDN or DMR digital,
- and FM analog protocols
- Upgradable Digital/Analog mode by software option
- (no firmware upgrade required)
- Easy visible, white backlit LCD display:
- Alphanumeric, 10-digit, 13-character frame
- (aliases and icons)
- 7-color LED indicator used to display various radio status
- Renowned KENWOOD Audio Quality: 6 W (max) loud audio
- and optimizable TX/RX audio profile: Audio Equalizer, Auto Gain
- Control (TX/RX) and Microphone type settings

- Max. 260 Channels per radio, 128 Zones per radio,
- and 250 Channels per zone
- Various scan functions: Dual/Single Priority scan,
- Multi/Single Zone scan and more
- Orange-colored Emergency button & Customizable
- Emergency functions
- Lone Worker
- Remote Stun, Kill, Check
- Dual Priority Scan
- Max/Min Volume setting
- Voice Announcement
- Electronic Serial Number (ESN)
- Display Customization
- D-sub, 15-pin GPIO and audio connector
- GPS connectivity
- Horn Alert and Public Address
- Ignition Sense
- 3.5 mm audio jack for external speaker
- IP54 and MIL-STD 810C/D/E/F/G/H

SPECIFICATIONS

General	NX-1700H	NX-1800H**
Frequency Range	136-174 MHz	400-470 MHz
Max. Channels Per Radio	260	
Number of Zones	128	
Max. Channels per Zone	250	

Channel Spacing	Analog	12.5/25* kHz	
	Digital	6.25/12.5 kHz	
Power Supply		13.6 V DC ±15%	
Current Drain	Standby	0.45 A	
	RX	2.4 A	
	TX	13 A	
Operating Temperature		-22°F to +140°F (-30°C to +60°C)	
Frequency Stability		±0.5 ppm	
Dimensions		(W x H x D) Projections Not Included	
		6.34 x 1.69 x 6.62 in.	
		(161 x 43 x 168.2 mm.)	
Weight Radio		2.67 lbs (1.21 kg)	
FCC ID	Type 1	K44517000	K44517100 (Pending)
	Type 2		

FCC ID	Type 1	282F-517000	282F-517100 (Pending)
	Type 2		
IC Certification		282F-501001	282F-501102
Receiver		NX-1700H	NX-1800H**
Sensitivity	NXDN® 6.25 kHz Digital (3% BER)	0.18 μ V	
	NXDN® 12.5 kHz Digital (3% BER)	0.22 μ V	
	DMR Digital 12 kHz (5% BER)	0.18 μ V	
	Analog 12 kHz (12dB SINAD)	0.20 μ V	
	Analog 25 kHz (12dB SINAD)	0.24 μ V	
Sensitivity	Analog @ 12.5kHz	65 dB	
	Analog @ 25kHz	81 dB	
Intermodulation		73 dB	

Spurious Rejection		75 dB	
Audio Distortion		3%	
Audio Output Power		6 W/ 4 W 4 Ω	
Transmitter		NX-1700H	NX-1800H**
RF Power Output		50 W / 25 W / 5 W	45 W / 25 W / 5 W
Spurious Emission		-73 dB	-75 dB
FM Hum & Noise	Analog @ 12.5kHz	40 dB	
	Analog @ 25kHz	50 dB	
Audio Distortion		3%	
Emission Designator		16K0F3E, 11K0F3E, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D, 7K60FXD, 7K60FXW, 7K60FXE, 7K60F1E, 7K60F1D, 7K60F1W	

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

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.

** Future release

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MIL-STD & IP

MIL Stand ard	MIL 810C Methods/ Procedure s	MIL 810D Methods/ Procedure s	MIL 810E Methods/ Procedure s	MIL 810F Methods/ Procedure s	MIL 810G Methods/ Procedure s	MIL 810H Methods/ Procedure s
Low Pressu re	500.1/Pro cedure I	500.2/Pro cedure I, II	500.3/Pro cedure I, II	500.4/Pro cedure I, II	500.5/Pro cedure I, II	500.6/Pro cedure I, II
High Temp eratur e	501.1/Pro cedure I, II	501.2/Pro cedure I, II	501.3/Pro cedure I, II	501.4/Pro cedure I, II	501.5/Pro cedure I, II	501.7/Pro cedure I, II
Low Temp eratur e	502.1/Pro cedure I	502.2/Pro cedure I, II	502.3/Pro cedure I, II	502.4/Pro cedure I, II	502.5/Pro cedure I, II	502.7/Pro cedure I, II
Temp eratur e Shock	503.1/Pro cedure I	503.2/Pro cedure I	503.3/Pro cedure I	503.4/Pro cedure I, II	503.5/Pro cedure I	503.7/Pro cedure I
Solar Radiat ion	505.1/Pro cedure I	505.2/Pro cedure I	505.3/Pro cedure I	505.4/Pro cedure I	505.5/Pro cedure I	505.7/Pro cedure I
Rain*	506.1/Pro cedure I, II	506.2/Pro cedure I, II	506.3/Pro cedure I, II	506.4/Pro cedure I, III	506.5/Pro cedure I, III	506.6/Pro cedure I, III

Humidity	507.1/Procedure I, II	507.2/Procedure II, III	507.3/Procedure II, III	507.4	507.5/Procedure II	507.6/Procedure II
Salt Fog	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4	509.5	509.7
Dust	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I	510.4/Procedure I, III	510.5/Procedure I	510.7/Procedure I
Vibration	514.2/Procedure VIII, X	514.3/Procedure I	514.4/Procedure I	514.5/Procedure I	514.6/Procedure I	514.8/Procedure I
Shock	516.2/Procedure I, II, III, V	516.3/Procedure I, IV, V	516.4/Procedure I, IV, V	516.5/Procedure I, IV, V	516.6/Procedure I, IV, V	516.8/Procedure I, IV, V, VI
International Protection Standard						
Dust & Water Protection*1		IP54 (per IEC60529)		*1 All interfaces must be fully sealed with appropriate covers or by designated genuine accessories		