

NX-P1200AV/P1300AU

PROTALK 5W VHF/UHF ANALOG TRANSCEIVER

Kenwood's ProTalk NX-P1200AV and NX-P1300AU portable two-way business radios deliver professional performance with extended coverage for all your on-site applications. Based upon a proven design with such features as cloning, scan, selectable color LED, second PTT, built-in VOX, long battery life and renowned Kenwood audio. The compact 5-watt ProTalk® radios have been expertly engineered to satisfy the toughest job requirements, in all conditions, thanks to MIL-STD 810 & IP54/55 weatherproofing. It's business done right!

FleetSync[®]



Simple Yet Tough

TOUGH & WATER RESISTANT ^{*2}

Built to take rough treatment in stride, the ProTalk has passed the demanding IP54/55 dust and water intrusion tests – both with and without the KMC-45 optional speaker microphone. It also meets or exceeds 11 stringent MIL-STD 810 C/D/E/F/G environmental standards, including "driven rain".

POWERFUL YET NATURAL SOUND OUTPUT

The BTL audio amplifier design delivers efficient and powerful 1-watt output.

Customize and Deploy

SECOND PTT

Make use of the unique Second PTT feature by giving different instructions to different staff as the radio allows the use of main channel plus another channel^{*1}.

SELECTABLE 7-COLOR LED

A large 7-color LED indicator on the top panel illuminates to notify multi-status functions. ^{*1}

CLONING

Customize the radio programming one time and use the optional Cloning Cable to rapidly program groups of ProTalk radios with the same settings.

Secure

Confidentiality in radio communications is a KENWOOD priority, and helping to maintain a high level of security in analog mode is a 16-code voice inversion scrambler.

Upgrade to Digital

COMPATIBLE WITH DIGITAL AND ANALOG

This radio design allows an upgrade to digital at a later time if you decide to transition from analog (requires license key). It enables dual mode NXDN digital and analog combined operation.

ENHANCED AUDIO QUALITY

Based on decades of experience with professional and high quality audio products, the NX-P1000 can be customized to deliver the best digital audio to business radio users with various language backgrounds.

DIGITAL TECHNOLOGY PROVIDES SUPERIOR CLARITY IN EXTENDED COVERAGE

As RF signal strength weakens with distance, analog reception becomes increasingly noisy. NEXEDGE - NXDN digital modulation technology improves audio recovery in fringe areas, thereby "effectively" increasing the usable coverage when compared to analog.

Other Features

- Voice Announcement • SCAN • VOX / Semi-VOX (headset required) ^{*1}
- Button Lock • Time-out Timer • Battery Saver^{*1} • Calling Alert • QT / DQT
- Compander • Adjustable Microphone Gain • Low Battery Warning

^{*1}: PC programming required.

^{*2}: All interfaces must be fully sealed with appropriate covers or by designated genuine accessories.

Accessories

All accessories may not be available in all markets. Contact an authorized Kenwood dealer for details and complete list of all accessories.

KNB-45L 2,000mAh/7.4V Li-Ion Battery Pack		KSC-35SK Fast Charger For the KNB-45L/69L 82LCM (3-Hour)		KRA-22/23 VHF/UHF Low Profile Helical Antenna		KMC-45D Speaker Microphone		KHS-31C C-Ring PTT Ear Hanger Headset	
KNB-69L 2,550mAh/7.4V Li-Ion Battery Pack		KSC-43K Dual Chemistry Fast Charger For the KNB 29N/45L/69L/82LCM		KRA-26/ 27 VHF Helical Antenna UHF Whip Antenna		KHS-26 Earbud In-line PTT Headset		KBH-10 Belt Clip	
KNB-82LCM 2,000mAh/7.4V, Intrinsically Safe Li-Ion Battery Pack		KVC-22 DC Vehicular Charger Adapter		KRA-41/42 VHF/UHF Stubby Antenna		KHS-27A D-Ring In-line PTT Headset			

Specifications

General	NX-P1200AV	NX-P1300AU
Pre-set Frequencies	151-159 MHz	451-470 MHz
Max. Channels per Radio	64 channels	
Number of Zones	4 zones	
Max. Channels per Zone	16 channels	
Channel Spacing		
Analog	25" / 12.5 kHz	
Power Supply	7.5 VDC ±20 %	
Battery Life (5-5-90)		
KNB-45L (2000mAh)	Approx. 11.5 hours	
KNB-69L (2550mAh)	Approx. 14.5 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/82LCM	213 x 484 x 132 in (54 x 123 x 33.5 mm)	
Radio with KNB-69L	213 x 484 x 148 in (54 x 123 x 37.5 mm)	
Weight		
Radio Only	5.64 oz (160 g)	
Radio with KNB-45L/82LCM	9.88 oz (280 g)	
Radio with KNB-69L	10.41 oz (295 g)	
FCC ID	K44501000	K44501101

¹ 125 / 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].

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. Analog measurements made per TIA603. Specifications are measured according to applicable standards. All interfaces must be fully sealed with appropriate covers or by designated genuine accessories.

Receiver	NX-P1200AV	NX-P1300AU
Sensitivity	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) 500 mW / 8 Ω (External Output)
Transmitter	NX-P1200AV	NX-P1300AU
RF Power Output ² (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%
Emission Designator		16K0F3E, 11K0F3E, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D

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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	5001/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	500.4/Procedure I, II	500.5/Procedure I, II
High Temperature	5011/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	5021/Procedure I	502.2/Procedure I, II	502.3/Procedure I, II	502.4/Procedure I, II	502.5/Procedure I, II
Temperature Shock	5031/Procedure I	503.2/Procedure I	503.3/Procedure I	503.4/Procedure I, II	503.5/Procedure I
Solar Radiation	5051/Procedure I	505.2/Procedure I	505.3/Procedure I	505.4/Procedure I	505.5/Procedure I
Rain [*]	5061/Procedure I, II	506.2/Procedure I, II	506.3/Procedure I, II	506.4/Procedure I, III	506.5/Procedure I, III
Humidity	5071/Procedure I, II	507.2/Procedure II, III	507.3/Procedure II, III	507.4	507.5/Procedure II
Salt Fog	5091/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4	509.5
Dust	5101/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^{*} 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.

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