Zoom

- 2W VHF/UHF ANALOG
  PORTABLE RADIOS

NX-P1202AV/P1302AU

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 8 10 C/D/E/F/G environmental standards, including “driven rain”.

POWERFUL YET NATURAL SOUND OUTPUT

BTL audio amplifier for powerful 1-watt output.

Customize and Deploy

SECOND PTT

Make use of the Second PTT 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 allows to upgrade to digital at a later time if you decide to transition from analog (requires license key). It enables to have 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 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 approporiate covers or by designated genuine accessories

Specifications

General		NX-P1202AV	NX-P1302AU
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*1 / 12.5 kHz	
Power Supply		7.5 VDC ±20 %	
Battery Life (5-5-90)	KNB-45L (2000mAh)	Approx. 15 hours	

	KNB-69L (2550mAh)	Approx. 19.5 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		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	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 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].
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-P1202AV	NX-P1302AU
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-P1202AV	NX-P1302AU
RF Power Output*2 (High / Low)	2 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,*1 11K0F3E, 8K30F1E, 8K30F1D,
		8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D

MIL-STD & IP

MIL Standard	MIL 810C Methods/Procedures	MIL 810D Methods/Procedures	MIL 810E Methods/Procedures	MIL 810F Methods/Procedures	MIL 810G Methods/Proced

Low Pressure	500.1/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	500.4/Procedure I, II	500.5/Procedure
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
Low Temperature	502.1/Procedure I	502.2/Procedure I, II	502.3/Procedure I, II	502.4/Procedure I, II	502.5/Procedure
Temperature Shock	503.1/Procedure I	503.2/Procedure I	503.3/Procedure I	503.4/Procedure I, II	503.5/Procedure
Solar Radiation	505.1/Procedure I	505.2/Procedure I	505.3/Procedure I	505.4/Procedure I	505.5/Procedure
Rain*	506.1/Procedure I, II	506.2/Procedure I, II	506.3/Procedure I, II	506.4/Procedure I, III	506.5/Procedure
Humidity	507.1/Procedure I, II	507.2/Procedure II, III	507.3/Procedure II, III	507	507.5/Prcedure II

Salt Fog	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509	509.5
Dust	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I	510.4/Procedure I, III	510.5/Procedure
Vibration	514.2/Procedure VIII, X	514.3/Procedure I	514.4/Procedure I	514.5/Procedure I	514.6/Procedure
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
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.			