

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

BTL audio amplifier for powerful 1-watt output.

Customize and Deploy

SECOND PTT

Make use of the Second PTT for 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-colour 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 go digital 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 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.

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

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 | 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/Procedure 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, II, V | 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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