KENWOOD

ProTalk DIGITAL

NX-P500

DIGITAL BUSINESS TWO-WAY RADIO

The NX-P500 is a small, light and powerful UHF digital transceiver with mixed mode capability allowing for digital and analog communications for interoperability. This promotes a simple method for transitioning to digital operations at your own pace. Ideal for business, retail, hospitality, education and the restaurant industry. Put your employees in touch with each other instantly and raise the level of communication for better service. A stronger collaboration through communication increases team work quality.

FEATURES

- Dual Mode NXDN Digital & FM Analog
- UHF 2 Watt Transmit Power
- Small (1.97" W x 3.70" H x 1.07" D) & Lightweight (5.6 oz)
- Li-Ion battery with over 15 Hours (w/Save On) Talk Time (5/5/90 duty cycle)
- 750 mW Loud Speaker
- High Brightness LCD Display
- 7-color LED Indicator
- IP67 Dust & Immersion / MIL-STD-810 C/D/E/F/G
- 6 Channel Operation (Factory pre-set)
- 99 User-Programmable Memory Bank Frequencies
- Digital/Analog Mixed Mode Operation
- Individual Call / Group Call
- Second PTT
- Channel Scan
- NXDN Digital Scrambler
- Repeater Mode
- Wireless Cloning Mode
- Key Lock/Super Lock
- User Programmable QT (45) and DQT (174) Signaling
- Compander
- FleetSync®
- LCD Battery Meter & Low Battery Alert
- VOX (Voice-activated transmit)
- Time Out Timer
- Free Programming Software (KPG-D5)
- FCC License required

Small Profile, Powerful Performance

A lightweight and compact body (approx. 5.64oz), with a slim and comfortable design. Powerful 2W maximum transmission output makes for easy reception, even in open spaces.

Loud Audio (750mW)

Clearly hear what your conversation partner is saying, even in noisy surrounds

Rugged and Submersible

Compliant with 11 U.S. Military Standards (MIL-STD). IP67 protection against dust and immersion.

Mixed Mode - Analog and Digital

Equipped with Mixed Mode that enables communication with both analog and digital units, making the switch to digital operations go smoothly.

Flexible Multi-Unit Charging Options

Maximize your space with our customized charging options. Configure your charging needs with our clip together charging cups for ultimate flexibility or use the six unit multi charger. (Future Availability)

Rugged Accessory Connector

One pin screw in accessory adapter makes sure you always have a good correction. Weather proof so you can talk confidently and worry free about your environment

Wireless Customized Programming

Custom programmable user software allow you the ability to customize a radio to your particular needs. With our exclusive wireless cloning, once you've program one radio you can easily clone surrounding radios wirelessly.

NEXEDGE®   NXDN®   FleetSync®   JVCKENWOOD

- **KNB-81L**
  Li-ion Battery Pack
  (3.6V/2200mAh)
  (Same as Supplied)

- **KSC-44MLKS**
  AC Adapter
  (For KSC-50CR multi
  unit use, up to 6 units)

- **KMC-55W**
  Speaker Microphone
  (IP54/55/67)

- **KBH-21W**
  Belt Clip

- **KSC-50K**
  Single Unit Charger
  (Same as Supplied)

- **KSC-506K**
  One Piece 6-Unit Charger
  (Future Availability)

- **EMC-13W**
  Clip Microphone
  with Earphone (STD)

- **KBH-22W**
  Belt Clip Holder
  Swivel Clip
  (Same as Supplied)

- **EMC-14W**
  Clip Microphone with
  Earphone (Ear-Hanging)

- **KPG-D5**
  Free Programming Software
  http://www.kenwood.com/usa/com/osbr/nxp500/kpg-d5.html

- **KHS-37W**
  Headset (Ear-Hook)

- **KPG-186UW**
  Programming Cable

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

Specifications

		NX-P500
GENERAL		
Frequency Range		99 User Programmable Memory Bank Frequencies (450-470MHz)
Number of Channels		6ch/16ch (BRS)
Channel Spacing	Digital	12.5kHz / 6.25kHz (Narrow / Very Narrow)
	Analog	25.0kHz / 12.5kHz (Wide / Narrow)
Operating Voltage		3.8 V DC ± 10 %
Battery Life (5-5-90 duty cycle with KNB-81L (3.6V/2200mAh)	Battery Saver Off	Approx. 14 hours
	Battery Saver On	Approx. 15.5 hours
Operating Temperature		+14 °F ~ +140 °F (-10 °C ~ +60 °C)
Frequency Stability		±2.5 ppm (+14 °F ~ +140°F)
Dimensions (W x H x D) Projections not included		1.97 x 3.70 x 1.06 in (50 x 94 x 27 mm)
Weight (net) Radio with KNB-81L		5.64 oz (160 g)

		NX-P500
RECEIVER		
Sensitivity	Digital	0.25 μV (Narrow / Very Narrow 3% BER)
	Analog	0.25 μV / 0.28 μV (Wide / Narrow 12dB SINAD)
Selectivity	Analog	60dB / 50dB (Wide / Narrow)
Intermodulation		50dB / 50dB (Wide / Narrow)
Spurious Response		55 dB
Audio Distortion		Less Than 10 %
Audio Output		750 mW /4 Ω (Internal Speaker) 100 mW /8 Ω (External Speaker)
TRANSMITTER		
RF Power Output	High/Low	2 W / 1 W
Spurious Response		55 dB
FM Hum & Noise		45 dB / 40 dB (Wide / Narrow)
Modulation		4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D, 8K30F1E, 8K30F1D, 8K30F7W, (Digital) 16K0F3E, 11K0F3E (Analog)

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.

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NXDN® is a registered trademark of JVCKENWOOD Corporation and Icom Inc.
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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	500.1/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	500.4/Procedure I, II	500.5/Procedure I, II
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 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, IV	516.5/Procedure I, IV	516.6/Procedure I, IV
International Protection Standard					
Dust and Water Protection	IP67				

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ISO9001 Registered
JVCKENWOOD Corporation

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