ALINCO
Quality. Style. Performance!

NXDN™ **DIGITAL**

UHF FM HANDHELD DIGITAL TRANSCEIVER
DJ-NX40T

IP67 **MIL-STD-810 Vibration / Shock**

*MIL-STD-810G shock/vibration compliant
*IP67 Waterproof and Dust-tight compliant

Simple Operation, Advanced Technology.

The new DJ-NX40 is a rugged simple-to-operate NXDN digital or conventional SCPC transceiver employing FDMA 4-level FSK modulation and the NXDN protocol, featuring true 6.25kHz spectrum efficiency, higher security and superior audio clarity.

DJ-NX40 features include professional grade specs such as 0.7W audio output, 1.5ppm frequency stability, selectable TX output of 1W or 5W; keep in touch for retail, construction, factory, warehouse, in a theme-park, shopping mall, exhibition hall, hotel··· offering instant, reliable and secure business communications, the DJ-NX40 is a cost-effective way to migrate smoothly from legacy analog to cutting-edge digital technology!

■IP67 Dust-tight and Waterproof Protection
While the case is compact, DJ-NX40 has rugged construction providing protection against water, dust and other undesired elements. The radio is also tested to MIL-STD 810 for vibration and shock to survive in harsh conditions.

■Built-in Motion Sensor
The lone worker and man down functions are programmable. With a built-in motion sensor, the DJ-NX40 silently monitors its state of motion and position, and transmits automatically an emergency signal in case the sensor detects unusual moves.

■Compact and Lightweight
Its compact 2.24 x 3.88 x 1.89 inches body weighs only 11.04 ounces inclusive of antenna and a standard high-capacity 2650 mAH Li-Ion battery pack.

■Made-in-Japan utilizing state-of-the-art technology and quality
The DJ-NX40 has been designed in our Osaka Headquarters, assembled at our ISO14001/9001 certified factory in Toyama, Japan.

■Available Features
- 5W/1W selectable output further extends battery life when needed
- Variety of operational confirmation beeps and alarm sounds
- 32,767 digital scrambling codes
- Compatible with NXDN 64 RAN (Radio Access Numbers), individual & group calling.
- Over-The-Air Alias (TX only)
- Paging Call and Status Messaging
- Remote Monitor
- Monitoring own voice (sidetone) through an earphone while transmitting
- VOX, APO, BCLO, TOT, STUN, KILL, Reverse and more for practical simplex and semi-duplex operations
- Large backlit highly visible dot-matrix LCD
- Water-tight 12-pin accessory port
- Includes a high-capacity Li-ion pack, rapid charger, rugged metal belt clip and an efficient high performance whip antenna
- EDC-196 charges EBP-89/2650 mAH Li-ion pack in 4.5 hrs max, and lasts up to 12 hrs.

⚠ **Attention:**
- Conventional mode only. DJ-NX40 does NOT support Type-C/D Trunking.
- F3E Analog mode is also supported, but not usable in USA due to restriction applied to analog radio certification by FCC.

UHF FM HANDHELD DIGITAL TRANSCEIVER
DJ-NX40T

FC RoHS

MIL-STD-810G Compliant
-Shock: Method 514.6/I,IV
-Vibration: Method 516.6/I

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■OPTIONS

EDC-196R

Can charge battery pack alone.

EDC-175

Large capacity AC adapter

Connect EDC-196R up to 6 and use EDC-175 to make a multi-charger.

Carrying case
EHC-51

Comes with a carry strap. Chargeable without removing the radio.

Heavy-Duty Belt Clip
EBC-38

Speaker-microphones
EMS-66

Earphone usable.

IP54
dust/splash proof

EMS-72

IP67
dust/water proof

Headset
EME-45A

Earphone-microphone
EME-41A

■SPARES

Antenna
EA-235
(length155mm)

Belt Clip
EBC-27

Battery Pack
EBP-89
Li-ion 2650mAh

Li-ion Battery Pack
EBP-81 / EBP-82
2100mAh / 1500mAh

Charging stand
EDC-196R

Charger Adapter
EDC-283

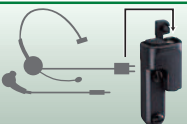12-pin water-proof plug

Backup drycell case
EDH-39

Uses 5 AA batteries.
Outputs up to 3W and operates approx. 2 hrs. in digital mode.

NOT IP67

Earphone adapter
EDS-16

Conventional 3.5mmφ earpone and earphone microphone conversion adapter. Provided DC jack is not usable for DJ-NX40.

Factory-standard accessories are EBP-89/EDC-196R/EDC-283/EA-235/EBC-27 and a strap, but may differ depending on the sales policy of your dealer. Please consult with your dealer about standard accessories and the warranty-policy before purchase.
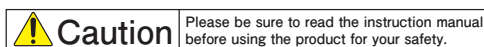
■Specifications

Frequency Range	450.00-512.00 MHz （Channel capacity 260ch）	Analog Deviation	±2.5KHz@12KHz
Channel Spacing	6.25 KHz (Digital) :12.5 KHz (Analog)	Sprious Emission	65dB
Operating Voltage	7.5V DC nominal	FM hum-noise ana. @12.5KHz	34dB
Frequency Stability	±1.5ppm	Modulation	4K00F1E 6.25KHz single ch. voice 4K00F1D 6.25KHz single ch. data 4K00F7W 6.25KHz single ch. data & Voice 11K0F3E analog voice
Battery life	approx. 12hrs with EBP-89		
Sensitivity	Dig.@6.25KHz 0.22μV (3%BER) : An. 0.2μV (12dB SINAD)	Operating (Battery pack charging) Temperature range	-20℃〜+60℃ (0℃〜+40℃)/-4F〜140F(32F〜104F)
Intermodulation	60dB	Dimensions(WxHxD approx.) with EBP-89 Li-Ion 2650mAH pack antenna length	- 56.9x98.5x48.0mm approx. 313g / 155.0 mm - 2.24 x 3.88 x 1.89 inches approx. 11.04 ounces / 6.10 inches
Spurious Response	65dB		
Audio Distortion	>3%		
Audio Output	700mW/8Ω	Applicable Std. MIL-STD & IP	MIL-810G Vibration 514.6/I , Shock 516.6/I,IV, IP67 body with EBP-89/EBP-81/EBP-82
TX output	5W/1W		

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The IP67 designation provides for limited dust and water proofing of the radio. This compatibility is factory guaranteed for a period of one year provided all the jack covers are securely in place, any accessories connected must be specified genuine Alinco products and the radio has not been disassembled by the user. However, please understand that this is designed to remain operational when used in hard conditions and is in no way stating that you should attempt to wash the radio for cleaning. Warranty will not cover radios that are water/dust damage due to negligence or misuse of the product.

Authorized Dealer:

⚠ Caution | Please be sure to read the instruction manual before using the product for your safety.