

# ALINCO

ver.1.0.0-175  
FNFNLNK-IT

144MHz FM HANDHELD TRANSCEIVER

# DJ-175



## Power, Features and Convenience. Great communications start here !

Alinco has created a new 2 meter HT that sets new standards in features, convenience and easy operation. The DJ-175 sports an alphanumeric display for easy memory management. It has an ergonomic design that's "user friendly" and the 5-watt output battery is standard. Be prepared for virtually any selective calling situation or gaining access to repeaters with 39-tone CTCSS, 104 DCS, Tone-bursts and DTMF encoding, all included at No extra costs. Best of all, DJ-175 retains the proud Alinco tradition of quality construction and excellent value.

- Two-touch Repeater Access
- Rugged polycarbonate body
- Highly visible backlit alphanumeric display
- Direct frequency input through illuminated keypad
- 200 memories plus 1 CALL channel
- VFO, Memory and Scan modes
- Ultra-flexible antenna with SMA port
- 39 CTCSS tone squelch (encode/decode)
- 1000,1450,1750 and 2100Hz Tone-bursts
- Battery-drain functions avoids memory-effect
- Ergonomic design, fits in the palm of your hand
- Wire-cloning capability
- 3 levels of output power (5 / 2 / 0.5W)
- Clean, crisp and powerful 500mW Audio



Ergonomically designed  
battery pack



Alphanumeric Display  
Shown with EDC-164 (Li-ion Charger)

### Specifications

#### General

- **Frequency coverage :**
  - [T] TX 144~147.995MHz \*144~147.995MHz
  - RX 136~173.995MHz \*144~147.995MHz
  - [E] TX 144~145.995MHz \*144~145.995MHz
  - RX 144~145.995MHz \*144~145.995MHz
  - [TFH] TX 136~173.995MHz \*150~173.995MHz
  - RX 136~173.995MHz \*150~173.995MHz

\* Guaranteed range per specifications

- **Mode :** F3E (FM) / F2D, T/E models only
- **Frequency steps :** 5, 10, 12.5, 20, 25 & 30KHz
- **Memory channels :** 200 channels + 1 CALL channel + 1 Repeater-Access function memory
- **Antenna connector :** 50Ω unbalanced
- **Frequency stability :** ±2.5ppm
- **Microphone impedance :** 2kΩ nominal
- **Power supply requirement :**

7.2V Battery only / External DC port is NOT available.

• **Current drain (Approx.) :**

1.5A Transmit high at 5W

250mA Receive at 500mW

70mA Stand-by

30mA Battery save on

• **Usable temperature range :** -10~+45°C (+14~113°F)

• **Dimensions :** 58(W)×107.5(H)×36.3(D) mm

2.28(W)×4.23(H)×1.43(D) inches

• **Weight :** Approx. 245g/ 8.7oz with EBP-72 & antenna

#### Transmitter

- **Output power (Approx.) :** 5W (High)/ 2W (Middle)/ 0.5W (Low)
- **Modulation system :** Variable reactance frequency modulation
- **Spurious emissions :** -60dB or less
- **Max.frequency deviation :** ±5KHz ±2.5KHz (Narrow band model)\*\*

#### Receiver

- **Receive system :** Double conversion superheterodyne
- **Intermediate frequencies :** 1st: 21.7MHz / 2nd: 450KHz
- **Sensitivity(12dB SINAD) :** -14dBμ (0.2μV)
- **Selectivity :** -6dB: 12KHz or more / -60dB: 26KHz or less
- 6dB: 6KHz or more / -60dB: 14KHz or less (Narrow band model)\*\*
- **Audio output power :** 500mW (8Ω, MAX)/400mW (8Ω, 10% THD)

\*\* Narrow-FM models available depending on areas of distribution.

### Standard Accessories

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### Options

		<ul style="list-style-type: none"><li>• Speaker Headset with VOX (EME-12A)</li><li>• Earphone Headset with VOX (EME-13A)</li><li>• Speaker-microphone (EMS-59, EMS-47)</li><li>• Tie Pin Microphone with VOX (EME-15A)</li><li>• Heavy Duty Earphone Microphone (EME-21A)</li><li>• Earphone Microphone (EME-23A)</li><li>• Earphone (EME-6)</li><li>• Soft case (ESC-49)</li><li>• Computer interface cable (ERW-4C/serial)</li><li>• Computer interface cable (ERW-7/USB)</li></ul>
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ALINCO's Toyama factory is ISO 14001 certified

