

ALINCO

Quality. Style. Performance!

144/430MHz FM Dualband Handheld Transceiver

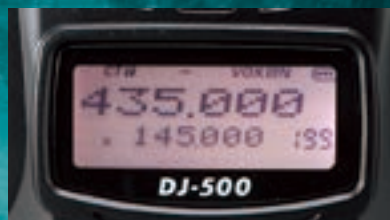
DJ-500T/E



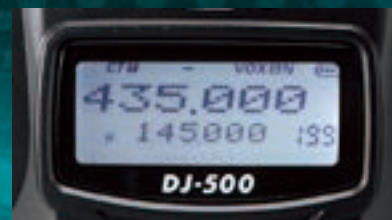
Amazing high performance, compact size, and full featured!

Full of advanced features, the DJ-500 offers landmobile-grade operation and powerful 5W output. CTCSS, DTMF, DCS and 5-tones are standard, along with a variety of tone bursts for repeater access or selective calling. Convenience features include direct frequency input, alphanumeric channel labels and 200 memory channels that can each store operating parameters.

A Li-Ion battery pack and a stand charger are standard, adding power and convenience. The DJ-500 looks simple, but remember, looks can be deceiving! The DJ-500 places one of the world's most advanced transceivers at your command, at ALINCO's affordable price!



sakura(cherry)



white



orange

- Large, dot-matrix, 3 color-selectable display and keypad
- Semi-Duplex dualband, V/V-U/U and FM broadcast receiver
- 200 memory channels, any mix of VHF/UHF
- Internal VOX
- Alphanumeric channel labels
- Direct frequency input from keypad
- Landmobile-grade signaling features
- Variety of scanning modes
- IP54 dust/splash proof, MILSPEC vibration/shock compliant
- Wide and narrow FM TX/RX
- 12Vdc input using an optional cigar-socket adapter.
- High power Li-Ion battery pack, stand charger and beltclip included
- Wire cloning capability

DJ-500

T : IC
E :

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



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Advanced Features

■ **Landmobile-grade signaling features**
Including DTMF, CTCSS, DCS, 5-tone, Tone-burst tones with Talk-around, Reverse, BCLO, TOT and more!

■ **Variety of scanning modes**
including Programmed, CTCSS/DCS tone, VFO, FM broadcast and Memory with skip feature.

■ **Flexible Power Options**
Use the standard Li-Ion battery pack or an optional mobile DC cable EDH-40 for continuous 12Vdc operation. The battery pack is rechargeable using 12Vdc through an optional EDC-198 cable and a standard charger.

Specifications

GENERAL

| | DJ-500T | DJ-500E |
|--|--|--------------------------|
| RX Frequency Coverage (76-108MHz included) | 136-174MHz 400-480MHz | 144-146MHz 430-440MHz |
| TX Frequency Coverage | 144-148MHz 420-450MHz | 144-146MHz 430-440MHz |
| Modulation | F3E(16K0F3E / 11K0F3E / RX only WFM) | |
| Frequency stability | ±2.5ppm | |
| Power supply requirement | 7.4V (Battery) | |
| Current drain (Approx.) | 1400mA TX / 300mA receive at Max audio output 70mA squelched | |
| Usable temperature range | -20~+55°C(-4~131°F) | |
| Channel step | 2.5, 5, 6.25, 8.33, 10, 12.5, 20, 25, 30 and 50 KHz | |
| Dimensions | 59.0W×98.0H×35.0D mm or 2.32W×3.86H×1.38D inches (Projections not included/approx.) | |
| Weight | approx.227g or 8.01oz inclusive of battery pack and antenna | |

TRANSMITTER

| | |
|-----------------------|---------------------|
| Output Power (Approx) | Approx.5 / 2.5 / 1W |
| Frequency Deviation | ±5kHz / ±2.5kHz |
| Spurious emission | - 60dB or less |

RECEIVER

| | |
|--------------------------------------|---|
| Receiver System | Direct conversion |
| Sensitivity (12dB SINAD Wide/Narrow) | Wide -12dBu / Narrow -9dBu |
| Selectivity | -6dB : Wide 12kHz / Narrow 10kHz or more -60dB : Wide 30kHz / Narrow 24kHz or less |
| Audio output power | 1W (10% distortion) |

Specifications subject to change without notice or obligation.
Product intended for use by properly authorized operators.
Reception out of Ham Radio bands is considered an accessory feature.

Standard Accessories



Standard Accessories (A strap is included)

| Whip antenna | Li-ion Battery Pack | Rapid Charger/Stand | AC Adapter | Belt Clip |
|--------------|------------------------|---------------------|--|-----------|
| EA-228 | EBP-87 7.4V 1500mAh | EDC-189 | EDC-190E (220V Linear) EDC-191E (220V) EDC-191T (120V) | EBC-34 |

Standard accessories declared herein are our factory default and may vary at moment of sales depending on the market and Dealers' sales policy.

Options



- Mobile DC cable (EDH-40)
- Mobile DC charging cable (EDC-198)



- Earphone Microphone (EME-56A)



- Speaker Microphone (EMS-76)



- Li-ion Battery Pack DC 7.4V 1700mAh (EBP-88)
Belt clip not included.

* Voids IP54 ingress protection when EME-56A and/or EDH-40 are in use.

Authorized Dealer:

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* Projections are not included in the declared dimension values.
* FCC and CE logos in this brochure mean that these products have been approved under the amateur-radio category of relative conformity unless otherwise specified.

ALINCO, INC. Electronics Division

Yodoyabashi Dai-Bldg 13F, 4-4-9 Koraibashi,
Chuo-ku, Osaka 541-0043 Japan
Phone: 06-7636-2362 Fax: 06-6208-3802
http://www.ALINCO.com
E-mail: export@alinco.co.jp

FNFNEEEE-PE
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