

# ALINCO

Quality. Style. Performance!

VHF FM HANDHELD TRANSCEIVER

# DJ-W10



## Rugged, Reliable Radio That Withstands Your Demands... at an affordable price!

This new VHF handheld transceiver packs a lot of performance into a MIL-spec\* rugged polycarbonate body. Designed to resist splash and dust\*, the DJ-W10 features professional grade specs such as 1W audio output, 2.5ppm frequency stability, capable of operating 136-174MHz range at 5W with 50 tone-squelch, DCS or DTMF/ANI in 128 programmable-channels or VFO; keep in touch for retails, construction, factory, warehouse, in a theme-park, shopping mall, exhibition hall, hotel...where you need reliable communications for business, the DJ-W10 is a cost effective alternative to a mobile/cell phone!

\*MIL-STD-810G shock/vibration compliant

\*IP54 Dust & Splash-proof compatible



# Performance Doesn't Have to Cost More!

## Features

- 128 channels to program operating parameters via PC utility software
- Channel, Name tag and VFO (Frequency) display modes selectable
- Comes with a rechargeable Li-Ion pack, desktop quick-charger and high-performance whip antenna
- Ergonomically designed compact body 59.0W x 98.0H x 35.0D mm or 2.32W x 3.86H x 1.38D inches (w/o projections, approx.), weighs approx.227g or 8.01oz inclusive of battery pack and antenna
- 3 types of Scan functions (VFO/Memory channels/Priority), 50 CTCSS, 116 DCS and 4 Tone-burst tones
- Backlit, Dot Matrix LCD screen with alphanumeric name tag
- Microphone and speaker ports
- Includes FM radio receiver, Internal VOX, Voice-prompt in English, Remote-Kill/Stun/Waken, Analog scrambling, Voice Compander, Narrow FM, Repeater-reverse, Auto-Power-OFF, Busy-Channel-Lockout, Time-Out-Timer and more and more at No extra cost!

### \*IP54 rating classification

5 : Dust protected /Ingress of dust is not entirely prevented, but it must not enter in sufficient quantity to interfere with the satisfactory operation of the equipment; complete protection against contact

4: Splashing water / Water splashing against the enclosure from any direction shall have no harmful effect. Test duration: 5 minutes / Water volume: 10 litres per minute /Pressure: 80-100 kN/m<sup>2</sup>



The AC adapter shown here is EDC-190E.



shown with EBP-87

## Specifications

### General

- Frequency coverage : [TX/RX] 136.000-173.995MHz [RX only] 76-108MHz
- Mode : F3E(16K0F3E / 11K0F3E / RX only WFM)
- Programmable channels : 128 channels
- Frequency stability :  $\pm 2.5$ ppm
- Power supply requirement : 7.4V DC $\pm 20\%$  (negative ground)
- Current drain (Approx.) : 1400mA TX / 300mA receive at Max audio output / 70 mA squelched
- Usable temperature range :  $-20 \sim +55^{\circ}\text{C}$  ( $-4 \sim 131^{\circ}\text{F}$ )
- Dimensions (Projections not included/approx.) : 59.0W $\times$ 98.0H $\times$ 35.0D mm or 2.32W $\times$ 3.86H $\times$ 1.38D inches
- Weight : approx.227g or 8.01oz inclusive of battery pack and antenna

### Transmitter (ETSI EN300 086 compliant)

- Output power : Approx.5 / 2 / 0.5W
- Modulation system : Variable reactance FM
- Spurious emissions : Less than  $-36$ dB
- Max. frequency deviation :  $\pm 5$ kHz /  $\pm 2.5$ kHz

### Receiver (ETSI EN300 086 compliant)

- Receive system : Double conversion superheterodyne
- Intermediate frequencies : 38.85MHz
- Sensitivity(12dB SINAD Wide/Narrow) :  $-12$ dB $\mu$  or better (0.25 $\mu$ V/0.35 $\mu$ V) or better
- Selectivity :  $-6$ dB :  $-6$ dB : Wide 12kHz / Narrow 10kHz or more  $-60$ dB :Wide 30kHz / Narrow 24kHz or less
- Audio output power : 1000mW(8 $\Omega$  / Max)



Options

- Earphone Microphone (EME-56A)

### Standard Accessories (A strap is included)

Whip antenna	Battery Pack		Rapid ChargerStand	AC Adapter	Belt Clip
EA-211	W10 version EBP-88 Li-ion 7.4V 1700mAh	W10T/W10E version EBP-87 Li-ion 7.4V 1500mAh	EDC-189	W10: EDC-190E W10T: EDC-191T W10E: EDC-191E	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.

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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 business-radio category of relative conformity unless otherwise specified.

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