

# ALINCO

Quality. Style. Performance!

UHF FM HANDHELD TRANSCEIVER

# DJ-W35



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

This new UHF handheld transceiver packs a lot of performance into a MIL-spec\* rugged polycarbonate body. Designed to resist splash and dust\*, the DJ-W35 features professional grade specs such as 1W audio output, 2.5ppm frequency stability, capable of operating 350-400MHz range at 4W 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-W35 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] 350,000-399,995MHz  
[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.4 / 2 / 0.5W
- Modulation system : Variable reactance FM
- Spurious emissions : Less than  $-36$ dBm
- Max. frequency deviation :  $\pm 5$ kHz /  $\pm 2.5$ kHz

### Receiver (ETSI EN300 086 compliant)

- Receive system : Double conversion superheterodyne
- Intermediate frequencies : 26.45MHz
- 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(10% distortion)



Options

- Earphone Microphone (EME-56A)

### Standard Accessories (A strap is included)

Whip antenna	Battery Pack	Rapid ChargerStand	AC Adapter	Belt Clip	
EA-218	EBP-88 Li-Ion 7.4V 1700mAh	Options EBP-87 Li-Ion 7.4V 1500mAh	EDC-189	EDC-190E	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.

Specifications and contents on this brochure subject to change without notice or obligation. Cellular frequencies blocked.

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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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