

ALINCO

Quality. Style. Performance!

VHF FM HANDHELD TRANSCEIVER

DJ-W100



A TINY RADIO THAT IS PACKED WITH POWERFUL FEATURES!

This new VHF Full-feature handheld transceiver packs a lot of performance into a MIL-spec* rugged polycarbonate body. Designed to resist splash and dust*, the DJ-W100 features professional grade specs such as 1W audio output, 2.5ppm frequency stability, capable of operating 136-174MHz range at 5W in 200 programmable-channels or VFO*;

Keep in touch for retails, construction, factory, warehouse, in a theme-park, shopping mall, exhibition hall, hotel, park/mountain rangers and surveillance...where you need solid communications for business, the DJ-W100 is a reliable, cost effective alternative to a mobile/cell phone!



*MIL-STD-810G shock/vibration compliant
*IP54 Dust & Splash-proof compatible
*VFO(frequency) mode may not be available due to regulation. Please consult with your dealer before purchase.



DJ-W100



Cellular frequencies blocked.



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Features

- IP54 dust-protection and splash-proof
- Plenty of operating time, over 12 Hours with standard 1700 mAh Li-Ion battery pack

(TX1:RX1:St-by90 / EBP-88 lasts longer / varies depending on conditions of use)

- Comes with a quick stand-charger that fill-up the empty battery in 4 hours
- Wide variety of selective calling features built-in; The 2-Tone, 5-Tone, 50 CTCSS, 114 DCS, 4 Tone-burst tones and DTMF/ANI decode
- Radio stun/kill/revive functions to protect your communication security
- Large, bright Alphanumeric Name tag LCD and easy-to-operate backlit keys
- Loud, enhanced audio quality with audio compander
- Analog voice scrambler and VOX built-in
- 200 programmable channels
- 3 selectable output power 5/2/0.5W
- FM broadcasting receiver
- FSK short-message, BCLO, DTMF Autodialer, Reverse, Talk-around, TOT functions and much more!

Standard Accessories (A strap is included)

Whip antenna	Battery Pack	Rapid Charger Stand
EA-211	EBP-88 Li-ion 7.4V 1700mAh	EDC-189

AC Adapter	Belt Clip
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.



The AC adapter shown here is EDC-190E.

Shown with standard accessories



shown with EBP-87

Specifications

General	
Frequency Range	TX/RX : 136.000-173.9975MHz RX only : FM radio (76-108MHz)
Channel Capacity	200 channels
Channel Spacing	25KHz (Wide Band) 20KHz (Middle Band) 12.5KHz (Narrow Band)
Phase-locked Step	5kHz, 6.25KHz
Operating Voltage	7.4V DC ±20%
Battery Life	More than 12Hours (1700mAh) by 5-5-90 work cycle
Frequency Stability	±2.5ppm
Operating Temperature	-20~+50°C
Weight	210g (with battery pack, antenna)
Dimension	270×56×30mm (with battery pack, antenna)

Receiver (ETSI EN300 086 standard test)		
	Wide band	Narrow band
Sensitivity (12dB SINAD)	≤ 0.25μV	≤ 0.35μV
Adjacent Channel Selectivity	≥ 70dB	≥ 60dB
Intermodulation	≥ 65dB	≥ 60dB
Spurious Rejection	≥ 70dB	≥ 70dB
Audio Response	+1~-3dB (0.3~3KHz)	+1~-3dB (0.3~2.55KHz)
Hum & Noise	≥ 40dB	≥ 36dB
Audio Distortion	≤ 5%	
Audio Power Output	1W (10%)	

Transmitter (ETSI EN300 086 standard test)		
	Wide band	Narrow band
Power Output	5/2/0.5W	
Modulation	16KφF3E	11KφF3E
Adjacent Channel Power	≥ 70dB	≥ 60dB
Hum & Noise	≥ 40dB	≥ 36dB
Spurious Emission	≤ -36dB	≤ -36dB
Audio Response	+1~-3dB (0.3~3KHz)	+1~-3dB (0.3~2.55KHz)
Audio Distortion	≤ 5%	

- Applicable U.S. Military Specifications MIL 810F and equivalent MIL-STD-810-C, -D and -G.
Method/Procedure: Vibration 514.5 I / Shock 516.5 I, IV
- Ingress Protection Standard
- The IP54 designation provides for limited dust and splash 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 genuine Alinco waterproof accessories and the radio has not been disassembled by the user. Please understand that this product has been tested to comply IP54 during engineering stages but NOT certified IP54-compliant. Warranty will not cover radios that are water damaged due to negligence or misuse of the product.
- All stated specifications are subject to change without notice or obligation.

Options



- Earphone Microphone (EME-56A)
- Mobile DC charging cable (EDC-198)

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



- Mobile DC cable (EDH-40)



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