

VHF FM HANDHELD TRANSCEIVER



A TINY RADIO THAT IS PACKE WITH POWERFUL

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!

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

VHF FM HANDHELD TRANSCEIVER

DJ-W100





Features

- IP54 dust-protection and sprash-proof
- Plenty of operating time, over 12 Hours with standard 1700 mAh Li-lon 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 ChargerStand			
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.



Shown with standard accessories

shown with EBP-87

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General	
FrequencyRange	TX/RX : 136.000-173.9975MHz RX only : FM radio (76-108MHz)
ChannelCapacity	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		
Intermodulauon	≥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%)			

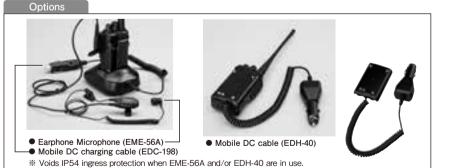
Transmitter (ETSI EN300 086 standard test)

Transmitter (ETSI ENSOU 000 standard test)				
	Wide band	Narrow band		
Power Output	5/2/0.5W			
Modulation	16KøF3E	11KøF3E		
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, Mathed Quesch res Vibratian E14 E1 (Shark E16 E1 V)

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.



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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.

ALINCO, INC. Electronics Division Yodoyabashi Dai-Bidg 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

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

FNFNEGNE-PE Ver.1.0 DJW100 Printed in Japan