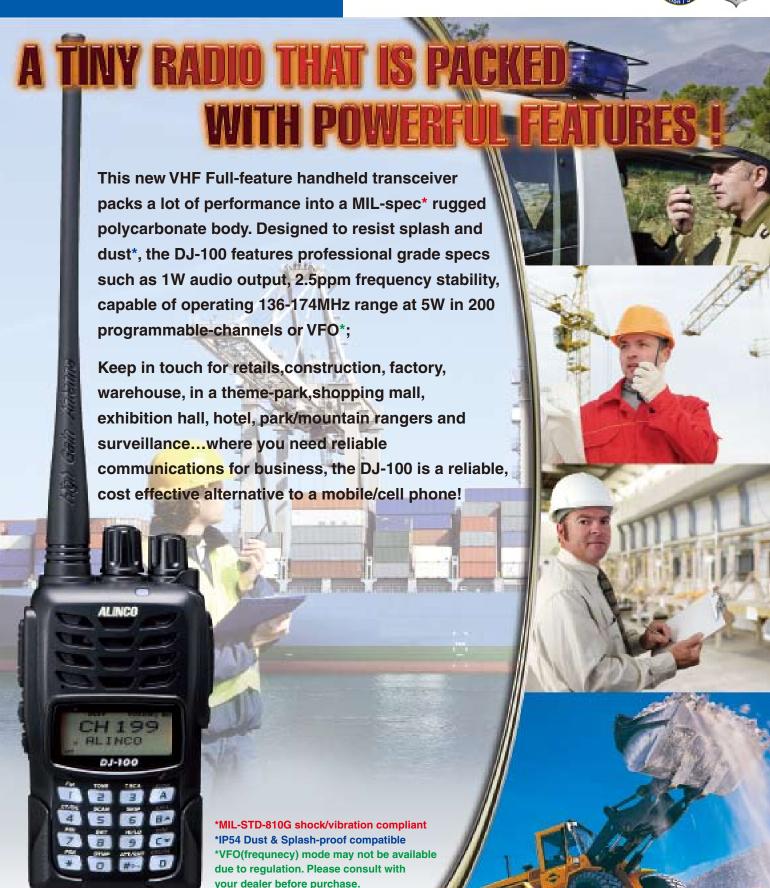


VHF FM HANDHELD TRANSCEIVER

DJ-100











Features

- IP54 dust-protection and sprash-proof
- Plenty of operating time, over 10 Hours with standard 1500 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	
EA-211	DJ-100	DJ-100T/100E
	EBP-88	EBP-87
	Li-ion 7.4V 1700mAh	Li-ion 7.4V 1500mAh

Rapid ChargerStand	AC Adapter	Belt Clip
EDC-189	100: EDC-190E 100T: EDC-191T 100E: 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.



Shown with standard accessories



Specifications

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 (1500mAh) by 5-5-90 work cycle	
Frequency Stability	±2.5ppm	
Operating Temperature	-20∼+50℃	
Weight	210g (with battery pack, antenna)	
Dimension	270×56×30mm (with battery pack, antenna)	

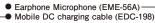
Receiver (ETSI EN300 086 standard test)				
	Wide band	Narrow band		
Sensitivity (12dB SINAD)	≤0.25μV	≤0.35μV		
Adjacent Channel Selectivity	≥70dB	≥60dB		
Intermodulauon	≥ 65dB	≥60dB		
Spurious Rejection	≥70dB	≥70dB		
Audio Response	+1~-3dB (0.3~3KHz)	+1~-3dB (0.3~2.55KHz)		
Hum & Noise	≥40dB	≥36dB	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



shown with EBP-87







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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-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

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