

# ALINCO

Quality. Style. Performance!

VHF MOBILE / BASE TRANSCEIVER

# DR-B185<sup>HT</sup><sub>HE</sub>



**85w  
Max!**



**Easy to operate, clean design, packed with features, superb audio and high powered!**

The DR-B185 in its compact package is loaded with high technology features: high stability PLL synthesizer, newly designed power circuit that puts out 85W max, 7-digit alphanumeric display, a wide variety of scanning features, just to name a few. Yet the operation is intuitive and simple with user-friendly configuration. Using a high-tech, high-powered radio is this simple!



## Versions

■ Frequency range		
DR-B185HT : (FCC/IC)	TX	144-147.995MHz
	RX	136-173.995MHz
DR-B185HE : (CE)	TX/RX	144-145.995MHz

## Features

- Scanning functions including DCS/CTCSS/  
Priority/Group and timer/busy modes.
- Wide and Narrow FM modes
- 39 tone CTCSS/DCS/2-tone encode and decode
- HIGH/LOW power setting
- Offset direction and frequency variable
- Keypad lockout/Reverse function
- Alphanumeric tag/Display dimmer
- Automatic illumination brightness
- TIME-OUT-TIMER, BCLO and AUTO POWER OFF
- TONE-BURST tones/AUTO-DIALER
- DTMF TX speed, pause and monitoring features
- S-METER squelch
- Multifunctional microphone with keypads (HT Only)
- Cable cloning

## Standard accessories



Standard accessories declared herein are our factory default and may vary at moment of sales depending on the market and Dealers' sales policy.

- Microphone
  - DR-B185HT : EMS-57 DTMF Remote
  - DR-B185HE : EMS-53 Plain

## Spare accessories

- Mobile bracket
- DC Power Cable
- EMS-57 : Back-Lit microphone with key pad
- EMS-53 : Plain microphone

## Option



PC Programming cable

ERW-7 USB port

## Specifications

### General

Tested to comply MIL-STD-810G  
-Shock: Method 514.6/1, IV -Vibration: Method 516.6/1

Output Power	85W / 5W
Memory channels	500 channels
Channel Step	5KHz, 6.25KHz, 10KHz, 12.5KHz, 15KHz, 20KHz, 25KHz, 30KHz, 50KHz
Max Current Drain (approx.)	RX stand-by : 500mA /1A TX High : 20A / Low : 6A
Operating Voltage	13.8V DC ±15%
Squelch	Carrier / CTCSS / DCS / 2Tone / S-meter
Frequency Stability	±2.5ppm
Operating Temperature	-10°C ~ +60°C
Dimensions (W x H x L) approx.	164 x 44 x 183.6 mm 6.44 x 1.73 x 7.21 inches
Weight approx.	1.5Kgs / 3.31 lbs

### Receiver

	Wide mode	Narrow mode
Sensitivity (12dB Sinad)	≤0.25μV	≤0.25μV
Adjacent Channel Selectivity	≥70dB	≥60dB
Intermodulation	≥65dB	≥60dB
Spurious Rejection	≥70dB	≥65dB
Audio Response	+1~-3dB(0.5~2.5KHz)	+1~-3dB(0.5~2.5KHz)
Hum & Noise	≥40dB	≥35dB
Audio Distortion	≤5%	
Audio Power Output	>2W@10%	

### Transmitter

	Wide mode	Narrow mode
Modulation	16KΦF3E	11KΦF3E
Adjacent Channel Power	≥70dB	≥60dB
Hum & Noise	≥40dB	≥35dB
Spurious Emission	≥60dB	≥60dB
Audio Response	+1~-3dB(0.5~2.3KHz)	+1~-3dB(0.5~2.3KHz)
Audio Distortion	≤5%	

Specifications are subject to change without notice due to advancements in NOTE technology.

※ Peripherals like an antenna, mounting hardware, coax cable etc are required for proper operation.

Authorized Dealer:

Copyright Alinco, Inc., Osaka, Japan. All rights reserved. Although Alinco has designed this brochure to be as accurate and comprehensive as possible, we reserve the right to make changes at any time to our equipment line, optional accessories, specifications, standard accessories, or availability of any such devices we manufacture and distribute. Please note that certain products and accessories may not be available in all countries of distribution therefore consult your Authorized Alinco Dealer for product availability and pricing. Colors of images herein may appear slightly different from actual products due to print.  
\* Projections are not included in the declared dimension values.

**ALINCO, INC.** Electronics Division

Yodoyabashi Dai-Bldg 13F, 4-4-9 Koraihashi,  
Chuo-ku, Osaka 541-0043 Japan  
Phone: 06-7636-2362 Fax: 06-6208-3802  
http://www.ALINCO.com  
E-mail: export@alinco.co.jp