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-B185 : Land mobile
  - DR-B185T : Land mobile (FCC)
  - DR-B185HT : Amateur (FCC/IC)
  - DR-B185HE : Amateur (CE)

- **Power**
  - DR-B185 : Max.85W/5W (guaranteed 65W throughout the band)
  - DR-B185T : 65W/5W (Max. 85W in 144-148MHz range/IC)
  - DR-B185HT/185HE : 85W/5W

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 tap/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 keys
- Cable cloning

Standard accessories

- Microphone
  - DR-B185HT : EMS-57 DTMF Remote
  - DR-B185T/HE : EMS-53 Plain
  - DR-B185 : Either EMS-53 or EMS-57, depending on dealers’ sales policy

Spare accessories

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

Options

- PC Programming cable
- ERW-7 USB port

Specifications

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

- **Number of Channels**
  - 500 channels

- **Channel Spacing**
  - Wide mode: 25KHz
  - Narrow mode: 12.5KHz

- **Channel Step**
  - 5KHz, 6.25KHz, 10KHz, 12.5KHz, 15KHz, 20KHz, 25KHz, 30KHz, 50KHz

- **Operating Voltage**
  - 13.8V DC ±15%

- **Squelch Carrier/CTCSS/DCS/2Tone/S-meter**
  - Frequency Stability ±2.5ppm

- **Operating Temperature**
  - Wide mode: -10°C ~+60°C
  - Narrow mode: -20°C ~+55°C

- **Sensitivity**
  - (12dB Sinad) ≤0.25μV

- **Adjacent Channel Selectivity**
  - ≥70dB

- **Intermodulation**
  - ≥65dB

- **Spurious Rejection**
  - ≥70dB

- **Audio Response**
  - +1~-3dB (0.5~2.5KHz)

- **Audio Distortion**
  - ≤5%

- **Audio Power Output**
  - '2W@10%

- **Modulation**
  - Wide mode: 16KΦF3E
  - Narrow mode: 11KΦF3E

- **Operating Voltage**
  - Wide mode: 13.8V DC ±15%
  - Narrow mode: 15.0V DC ±15%

- **Audio Power Output**
  - ‘2W@10%

- **Operational Current Drain**
  - RX stand-by: 500mA/1A
  - TX High: 20A / Low: 6A

- **Operating Voltage**
  - Wide mode: 13.8V
  - Narrow mode: 15V

- **Frequency Stability**
  - ±2.5ppm

- **Hum & Noise**
  - ≥40dB

- **Audio Distortion**
  - ≤5%

- **Audio Power Output**
  - ≥2W@10%

- **Specifications are subject to change without notice due to advancements in technology**

- **Peripheral accessories**
  - Tested to comply MIL-STD-810G

- **Authorized Dealer:**

- **ALINCO, INC.** Electronics Division
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  - Phone: 06-7636-2362 Fax: 06-6208-3802
  - http://www.ALINCO.com
  - E-mail: export@alinco.co.jp

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