ALINCO

VHF/UHF DUALBAND DMR TRANSCEIVER

DJ-MD5(T / TGP)

DJ-MD5(E / EGP)

An Exciting Compact 2-Slot, Dualband DMR Transceiver

- Built-in GPS Receiver (TGP, EGP models)
- DMR Tier I and Tier II
- RF output selectable from 5W, 2.5W, 1W and 0.2W
- Covers both VHF and UHF bands
- Super-compact body
- VFO programmable

Specifications

General

Frequency Range: 136.174MHz / 400-480MHz
Number of Channels: 4000ch
Zones per Radio: 250 zone (MAX 250ch/zone)
Channel Spacing: Analog: 12.5/25kHz
Operating Voltage: 7.4V DC nominal
Operating Temperature Range: -20°C to +55°C (-4°F to +131°F)
Frequency Stability: ±2.5ppm
Antenna Impedance: 50Ω
Dimensions (W x H x D Approx.) with battery pack / antenna length*: 59x118x40mm / 23.2x4.6x1.57 inches
Weight (Approx.): 256g / 9.03 ounces

Transmitter

RF Power Output: 5W / 2.5W / 1W / 0.2W
Spurious Emissiosn: Less than 1GHz: -36dBm
More than 1GHz: -30dBm
FM Hums & Noise (Analog): 25kHz / 40dB
12.5kHz / 36dB
Modulation: Analog: 19000/250 / 11000/250
Digital: 7500/250 / 7400/250

Receiver

Sensitivity (Analog/12dB S/NAD): 25kHz: 0.25μV
12.5kHz: 0.35μV
Sensitivity (Digital/BER): 1% ≤ 0.7μV
FM Hums & Noise (Analog): 25kHz: 45dB
12.5kHz: 40dB
Audio Distortion: Less than 5%
Audio Output: 1000mW / 16Ω

Standard Accessories

Li-ion Battery Pack / Li-ion Battery Charger: EBD-88 (DC 7.4V 1700mAh)
Antenna: EAC-189A / EA-228
(All accessories are included)

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**Built-in GPS Receiver (TGP, EGP models)**

Transmits and receives GPS coordinates automatically, and displays the distances between you and other users.

**Clear Voice and Powerful Audio**

Utilizes DVSI's AMBE+2® vocoder for Crystal clear DMR digital audio for use in noisy environments like construction sites and malls. Powerful 1W audio output to insure loud crisp sounds.

**Large, Full-color Display**

Features 1.77 inch display with a menu-driven interface, icons and large, easy-to-use keys for comfortable operations and message reading.

**Real Two-slot DMR**

The DMR Tier 2 two-slot TDMA technology doubles your communications capacity!

**Mixed Mode Operation**

Automatically detects and switches between analog and digital modes depending on the signal received.

**Digital Voice Recorder**

Up to 14 hours of recording communications and sounds/voice using an internal or optional microphone.

**Safety and Security**

Stay safe with Lone worker, Man down, Call alert and Emergency alarm with GPS positioning options. Security features such as Check, Remote monitor, Kill and Revive are all standard.

**Plenty of Text Messages**

100 preprogrammable short messages of up to 200 characters each, capable of editing through the keys without using a PC.

**Other Versatile features**

* Common to Digital and Analog modes
  - Selectable output power 5W/2.5W/1W/0.2W
  - 4000 channels, 250 zones, 250 scan lists
  - Displays DMR ID, Call sign, Name and Geographical info.
  - VOX built-in
  - Allows CSV export/import of setting parameters
  - Easy import of DMR contact database (entire world wide)
  - Single or dual channel selectable
  - FM Broadcasting receiver with 100 memory channels and VFO
  - Manually programmable Side and Hot keys.
  - Automatic date and time calibration by GPS (TGP, EGP models)

* Digital mode
  - 10,000 Talk Groups, 250 Radio ID, 160,000 contact lists
  - Displays the Caller ID and name
  - 32 preset encryption codes
  - Selective calls including Individual, Group or All
  - Digital Monitor function to receive signals without matching ID or color codes.

* Analog mode
  - Variety of signaling; CTCSS/DCS/DTMF/2-TONE/5-TONE encode and decode
  - Four different Tone-burst tones
  - Programmable Auto Repeater Shift (VFO)