

ALINCO

Quality. Style. Performance!



VHF/UHF DUALBAND DMR Transceiver

DJ-MD5XTG FC IC

DJ-MD5XEG CE



"X" stands for X-TREME.
Featuring APRS and
Auto Repeater
Roaming!

■ Built-in GPS receiver with APRS support

■ Automatic Repeater Roaming

■ Selectable output power 5W/2.5W/1W/0.2W

■ 4000 channels, 250 zones, 250 scan lists

■ 200,000 Digital contact list

■ Large full color LCD display



GPS Receiver
Built-in



Real Two-slot
DMR



Clear Voice &
Powerful Audio



Digital Voice
Recorder



Safety &
Security



Plenty of
Text Messages

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

- Area SQL function **NEW** —
- When entering areas of your preference, it automatically switches to preassigned CH zone(s) and channels.

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 Digital : 12.5kHz
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	59 x 118 x 40 mm (2.32 x 4.65 x 1.57 inches)
Weight (Approx.) with EBP-88 Li-ion pack	256 g / 9.03 ounces

Transmitter

RF Power Output	5W / 2.5W / 1W / 0.2W
Spurious Emission	Less than 1GHz : - 36dBm More than 1GHz : - 30dBm
FM Hum & Noise (Analog)	25kHz : 40dB 12.5kHz : 36dB
Modulation	Analog : 16K0F3E / 11K0F3E Digital : 7K60FXD / 7K60FXE

Receiver

Sensitivity (Analog/12dB SINAD)	25kHz : 0.25uV 12.5kHz : 0.35uV
Sensitivity (Digital/BER)	5% : 0.3uV 1% : 0.7uV
FM Hum & Noise (Analog)	25kHz : 45dB 12.5kHz : 40dB
Audio Distortion	Less than 5%
Audio Output	1000mW / 16Ω

Digital mode

- 10,000 Talk Groups, 250 Radio ID, 200,000 contact lists
- Displays the Caller ID and name
- 32 preset encryption codes plus 255 preset AES 256bit 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 in VFO mode

Options



● Earphone Microphone (EME-56A)



● Speaker Microphone (EMS-76)



● Soft case (ESC-63)



● Compact size Li-ion Battery (EBP-87)
DC 7.4V 1500mAh



● Large capacity Li-ion Battery (EBP-106)
DC 7.2V 3250mAh

Attempted use with third parties' microphone voids warranty and may result in permanent damage to the radio.

Standard Accessories

(A strap is included)

Li-ion Battery Pack	Li-ion Battery Charger	Antenna
EBP-88 (DC 7.4V 1700mAh)	EDC-314	EA-228

AC Adaptor	Belt Clip	PC interface cable
EDC-191T (120V) or EDC-191E (220V)	EBC-34	ERW-21



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

Authorized Dealer:



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



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.
* Operator license may be required. Please consult your dealer for details.
* APRS is a trademark of Bob Bruninga, WB4APR.



ALINCO
INCORPORATED / Electronics Division

Yodoyabashi Dai-Bldg 13F, 4-4-9 Koraibashi,
Chuo-ku, Osaka 541-0043 Japan
Phone: +81-6-7636-2362 Fax: +86-6-6208-3802
<http://www.ALINCO.com>
E-mail: export@alinco.co.jp

FNFNFNK-PE
Ver.1.0 MD5XTG
Printed in Japan