

# 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

Authorized Dealer:

## 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.

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

