

MD-6000



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 **QCOM**

MD-6000

DMR MOBILE RADIO

FEATURES

- 16 Channels at 100 Zones *OR*
200 Channels at 8 Zones
- Digital DMR Tier II/ Analogue
- 2" Large LCD Display
- Dual Direct Access (2 Time Slots on Simplex)
- Supports DTMF
- Voice Annunciation
- Programmable Keys
- SOS • Text Message & Time Display
- Remote Kill, Stun, Revive
- Approved 80 Channel UHF CB
(Australia & New Zealand)
- Select Call
- 3 Watt Loud Crisp Audio
- Basic Telemetry Functions

APPLICATIONS

- Mining
- Construction
- Government
- Factories
- Transport
- State Emergency Services



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GENERAL SPECIFICATIONS

Model	MD-6000
Frequency	VHF: 136-174MHz UHF U1: 400-470MHz UHF U2: 450-520MHz
Channel Capacity	100 CH/16 Zones 200CH/8 Zones
Channel Spacing	25 kHz / 12.5 kHz
Operating Temperature	-25°C ~ + 60°C
Frequency Stability	±2.5ppm
Operating Voltage	13.8VDC ± 15%
Antenna Impedance	50Ω
Microphone Impedance	2.2KΩ
Voltage	DC 10.8V-----15.6V
Dimensions (W x L x H)	166mm x 157mm x 56mm
Weight	1122.7g

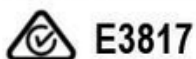
TRANSMITTER

RF Power	H: 25 W L: 5 W
Modulation Mode	16KΦF3E @ 25kHz 8KΦF3E @ 12.5kHz
4FSK Digital Modulation	12.5 kHz Data: 7K60FXD 12.5 kHz Voice & Data: 7K60FXW
Digital Vocoder Type	AMBE ++
Digital Protocol	ETSI-TS102 361-1, -2
Harmonic	≥ 70 dB
Residual FM	≤-45dB @ 25kHz ≤-40dB @ 25kHz
Audio Distortion	≤ 5%
Frequency Stability	± 2.5 ppm
Max Frequency Deviation	≤5kHz @ 25kHz ≤2.5kHz @ 12.5 kHz

RECEIVER

Sensitivity Analog	≤0.22uV(12dB SINAD) @25kHz ≤0.25uV(12dB SINAD) @12.5kHz
Digital	0.22uV (BER 5%)
SNR (Signal to noise ratio)	≥-45dB @ 25kHz ≥-40dB @ 12.5kHz
Adjacent Channel	≥-70dB @ 25kHz ≥-60dB @ 12.5kHz
Selectivity	
Intermodulation	≥-70dB @ 25kHz ≥-60dB @ 12.5kHz
Spurious Response	≥65 dB
Audio Output Power	≥ 3000 mW
Rated Audio Distortion	≤ 5%

- All specifications are subject to change without notice due to continuous development
- Complies with Australia / New Zealand RF standards



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MD-6000 FEATURES



DMR & Analog Dual Direct Mode,TDMA

Two time slot in simplex that allows operation of two digital voice channels from a single frequency

Selective Call

User can generate a private call group call by selecting the ID via the keypad
Quick access to channels

Remote Control

Versatile remote control functions including alarm, remote monitor, radio check, remote kill, remote stun, remote revive, call alert, text message and work alone

Simplex Repeater Operation

State of the art Simplex Repeater function when utilizing time slot 1 & time slot 2 allowing 100% repeater operation over a simplex frequency (DMR mode only)

DTMF

DTMF encoding is possible by either live access from the radio keypad or by recalling previously configured and saved DTMF codes set up in the phone book by the Radio Dealer

MD-6000 ACCESSORIES

INCLUDED IN THE BOX



Mounting Bracket



DC Power Cable



Remote Speaker Microphone

OPTIONAL EXTRAS



Programming Cable
AD-UC



External Speaker (2W 40hm)
CCESP1



External Speaker (5W 80hm)
CCESP3