



Q COM

MD-6000

 DMR Mobile Radio

- ▶ 1600 channels, 100 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

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General Specifications

Model	MD-6000
Frequency	VHF: 136-174MHz UHV: 350-390MHz, 400-470MHz 450-520MHz
Channel Capacity	1600 CH 100 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

Receiver

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

Transmitter

RF Output Power	25W (High Power) 5 W (Low Power)
Modulation Mode	16KΦF3E @ 25kHz 8KΦF3E @ 12.5kHz
4FSK Digital Modulation	12.5 kHz Data: 7K60FXD 12.5 kHz Voice & Data: 7K60FXE
Digital Vocoder Type	AMBE ++
Digital Protocol	ETSI-TS102 361-1, -2
Harmonic	≥ 70 dB
Residual FM	≤-45dB @ 25kHz ≤-40dB @ 12.5kHz
Audio Distortion	≤ 5%
Frequency Stability	± 2.5 ppm
Max Frequency Deviation	≤5kHz @ 25kHz ≤2.5kHz @ 12.5 kHz

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



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