



COMMERCIAL

25 WATT COMMERCIAL ANALOGUE MOBILE RADIO CM50

The Australian Made **CM50** is a fully featured 25 Watt Commercial Analogue Mobile Radio that supports up to 2000 channels across 50 Zones and comes backed with an impressive 5 Year Warranty.

Suited for all types of commercial applications, the robust and compact CM50 is available in several orderable configurations and is packed with a range of practical features including a dedicated emergency button, 45 channels per second scanning, 5 Tone Selcall, MDC 1200, DTMF as well as RSSI & Busy Voting

The CM50 standard & remote kit configuration includes a high contrast 11- digit LCD display, IP67 rated Fist Microphone, 3W internal/external speaker as well as a BNC rear connector.

The CM50 controller microphone configuration includes the Australian made UIC600, which provides a flexible off the shelf solution designed specifically to integrate with the CM50 & CM60 commercial mobiles. With its built in microphone, powerful 2 watt front facing speaker and crisp OLED screen, the UIC600 enables complete control of your CM50 radio from the palm of your hand.

KEY FEATURES

- 2000 Private Channels
- 80 Dealer Enabled CB/PRS Capable
- 50 Zones
- 25 Watt Transmission Power
- 450-520 Mhz
- 5 Tone Selcall
- MDC1200 Compatible
- DTMF
- RSSI & Busy Voting



5 YEAR WARRANTY

Specifications

GENERAL

Frequency Range:	450-520 MHz
Number of Channels:	2000 (80 CB)
Number of Zones:	50
Channel Spacing:	12.5 kHz
Channel Steps:	12.5 kHz, 6.25 kHz, 5 kHz, 2.5 kHz
Frequency Stability:	±1.5ppm for -20°C to 60°C
Antenna Impedance:	50 Ohms
Supply Voltage:	13.8 V Negative Earth
Operating Voltage Range:	10.8 V to 15.6 V
Reverse Polarity Protection:	Diode
Over Voltage Protection:	18V crowbar
Fuse:	2 x 10A Blade Type In-line Fuse
Current Drain Voice (Approx.):	RX Muted: 220 mA
	RX Full Audio: 1A
	TX 6A (25W)

TRANSMITTER

Power Output:	High: 25W
	Low: 5W
Transmit Duty Cycle:	4:1 for 25W Output
Modulation:	FM
Deviation Limiting:	5 kHz, 2.5 kHz at 20dB AF Limiting
TX Audio Frequency Response:	+6 dB/Octave, +1 dB/-3 dB, 300 Hz to 3 kHz
AF Distortion:	3% Below Limiting
TX Audio Residual Noise and Hum:	-40 dB
Spurious Emission:	-36 dBm
Adjacent Channel Power:	-60 dBc

RECEIVER

Analog Sensitivity:	-121 dBm for 12 dBm SINAD Unweighted
IF Frequencies:	38.85 MHz (UHF) 450KHz
Spurious Rejection:	80 dB
Adjacent Channel Selectivity:	60 dB
Intermodulation Rejection:	75 dB
Blocking:	100 dB
Conducted Spurious Emissions:	-80 dBm
RF Switching Bandwidth:	UHF 70 MHz
Circuit Type:	Double Conversion Superheterodyne, DC Coupled, DSP Audio Processing

AUDIO

RX Audio Frequency Response:	+6 dB/octave, +1 dB/-3 dB, 300 Hz to 3 kHz
RX Audio Residual Hum and Noise:	-40 dB
Audio Output Power Internal Speaker:	3W (RMS)
Audio Output Power External Speaker:	3W (RMS) into 4Ω
Audio Output Power UIC600:	2W (RMS) into 8Ω

MECHANICAL AND ENVIRONMENTAL

Dimensions:	28.9mm (H) x 127mm (W) x 162.8mm (D)
Weight:	620g (Chassis)
Operating Temperature Range:	-20 to +60 Deg C
Antenna Connector:	BNC

Accessories

MICROPHONES

MP600B: Heavy Duty IP67 Fist Mic to suit CM & TX Series

DC LEAD

LE013: 3M DC Lead to suit 25W CM & TX Series

MOUNTING BRACKET

MB009: Mounting Bracket to suit CM & TX Series

CONTROLLER MICROPHONES

UIC600B: OLED Controller Microphone to suit CM50/CM60 Series – Black

UIC600G: OLED Controller Microphone to suit CM50/CM60 Series – Green

REMOTE MOUNT KIT

RH006: Remote Head with 1.8m Lead to suit CM50/CM60 Series

RCKC60BFPA: Local to Base Conversion Kit for CM50/CM60 Series

PROGRAMMING CABLE

LS1-USB: Programming Lead to suit CM & TX Series

LS002: Programming Adaptor for CM & TX Series Local Radios (requires LS1-USB)

LS003: Programming Adaptor for CM & TX Series Base Radios (requires LS1-USB)

LS-UIC: Programming Lead to suit UIC600



UIC600B
Controller Microphone
*1 Year Warranty



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GME Pty Ltd.



5 YEAR
WARRANTY