



COMMERCIAL

# 5 WATT COMMERCIAL ANALOGUE RADIO

## CM40

Designed, engineered, and manufactured in Australia, the **CM40** comes pre-enabled with 80CB/PRS open channels and can support an additional 119 private (commercial frequency) channels with a maximum power output of 5W.

Geared towards entry-level and low transmit power commercial applications, the highly robust and super compact CM40 is packed with a range of practical features including a dedicated emergency button, 45 channels per second scanning, 5 Tone Selcall, MDC 1200 & DTMF.

The CM40 comes standard with a high contrast 11- digit LCD display, IP67 rated Fist Microphone, 3W internal/external speaker as well as a BNC rear connector.

The CM40 is backed by GME Commercial's standard 5-year Warranty.

### KEY FEATURES

119 Private Channels

80 Pre-Enabled CB/PRS Channels

10 Zones

5 Watt Transmission Power

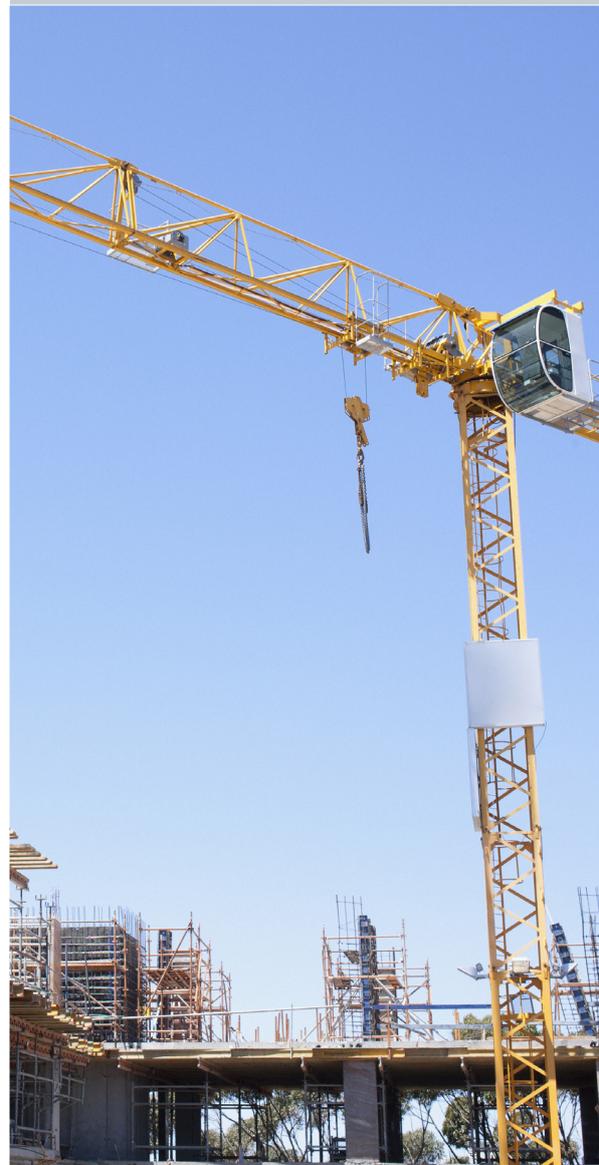
450-520 Mhz

Dedicated Emergency Button

5 Tone Selcall

MDC1200 Compatible

DTMF



**5 YEAR WARRANTY**

# Specifications

## GENERAL

Frequency Range:	450-520 MHz
Number of Channels:	199 (80 CB)
Number of Zones:	10
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:	18 V Crowbar
Fuse:	2 x 10A Blade Type In-line Fuse
Current Drain Voice (Approx.):	RX Muted: 220 mA RX Full Audio: 1A TX 1.8A (5W)

## TRANSMITTER

RF Output:	Max: 5W
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 Superhetro-dyne, 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

## MECHANICAL AND ENVIRONMENTAL

Dimensions:	289mm (H) x 127mm (W) x 143mm (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

LE09: 1.8M DC Lead to suit 5W CM & TX Series

## MOUNTING BRACKET

MB009: Mounting Bracket to suit CM & TX Series

## PROGRAMMING CABLE

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

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



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**5 YEAR**  
WARRANTY