



COMMERCIAL

est.2000
mbRADIO
Radio Comms Spare Parts & Accessories
03 5343 6224 - 0488 115 450



MB RADIO ELECTRONICS www.mbradio.com.au

5 WATT COMMERCIAL ANALOGUE PORTABLE RADIO CP40

Designed, engineered & manufactured in Australia the **CP40** come out of the box pre-enabled with 80CB/ PRS open channels and can support an additional 119 private (commercial frequency) channels with a maximum power output of 5W.

The CP40 is well suited for all types of entry-level commercial applications with practical features such as voice channel announcement, 45 channels per second scanning, 19 hour standard talk time and up to 1.5 Watt audio output.

Built to military-grade standards, the CP40 is dust & drop resistant as well as waterproof to a depth of one metre for 30 mins (IP67 Ingress Protection) and comes backed with 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
1.5W Audio Output (internal)
750 mW Audio Output Aux Port (external)
IP67 Dust Resistant & Waterproof
MIL-STD 810 (C,D,E,F,G)
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 Bandwidth:	12.5 kHz
Emission:	8K50F3E
Antenna Impedance:	50 Ohms
Input Impedance (Mic):	2.2k Ohms
Output Impedance (Audio):	8 Ohms
Supply Voltage:	7.4 V DC
Battery Type:	Li-ion
Battery Capacity:	2600mAh
Current Drain (Approx.):	Standby: 0.1A, TX 5W: 1.7A

TRANSMITTER

RF Output:	5W/ 1W
Frequency Stability:	± 2.5 ppm
Modulation:	FM
Spurious Emission:	-34dBm
Maximum Deviation:	± 2.5 kHz (NB) / ± 5 kHz (WB)
Audio Harmonic Distortion:	0.4% @ 1kHz/ 1.5k Deviation
Adjacent Channel Power:	-67dBm
FM Hum and Noise (with CCITT Filter):	-50.8dB
Residual Modulations (with CCITT Filter):	-49.7dB

RECEIVER

Sensitivity:	12 dB SINAD: -120 dBm
Intermediate Frequencies:	38.85 MHz 450k
Spurious Response:	71 dB
Adjacent Channel Selectivity:	61 dB
Power Output:	1.5W (internal) 750mW (external) Aux Port
Audio Signal to Noise:	34dB (SINAD)
Audio Hum and Noise (with CCITT):	-44dB
Receiver Frequency Response:	Meets AS/ NZS 4295
Hum and Noise (without CCITT Filter):	-38dB

MILITARY SPECIFICATION MIL-STD 810G

Standard	Method	Procedure
High Temperature	501.5	i, ii
Low Temperature	502.5	i, ii
Temperature Shock	503.5	i
Rain Blowing/Drip	506.5	i, iii
Humidity	507.5	
Salt Fog	509.5	
Dust Blowing	510.5	i
Immersion	512.5	i
Vibration	514.6	i
Shock	516.6	i, iv

MECHANICAL AND ENVIRONMENTAL

Dimensions:	128mm (H) x 59mm (W) x 42mm (D) (not including antenna)
Weight:	337 grams (with battery and antenna)
Operating Temperature Range:	-20 to +60 Deg C
Ingress Protection:	IP67 (dust tight and waterproof)
Accessory Connector:	Dual Jack

Accessories

ANTENNA

AE4028: 450-520 MHz Wideband Antenna to suit CP40/ CP50 Series

BATTERY

BP028: 2600 mAh Li-Ion Battery to suit CP40/ CP50 Series

BELT CLIP & CASES

MB058: Belt Clip to suit CP40/ CP50 Series

CC28: Nylon Case to suit CP40/ CP50 Series

LC009: Heavy Duty Leather Case to suit CP40/ CP50 Series

POWER SUPPLY

BCD022: 240V Single Unit Desktop Charger to suit CP40/ CP50 Series

BCD023: 240V Dual Unit Desktop Charger to suit CP40/ CP50 Series

PS005: AC Adaptor for BCD022 & BCD023

BCM002: 6-Bay Multi Charger to suit CP40/ CP50 Series

BCV012: Car Kit Charger to suit CP40/ CP50 Series with 12 Volt Adaptor

SPEAKER MICROPHONES

MC012: IP67 Remote Speaker Microphone to suit CP40/ CP50 Series

HS016: G-Hook in Ear Microphone to suit CP40/ CP50 Series

PROGRAMMING CABLE

LS009: USB Programming Lead to suit CP40/ CP50 Series

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GME Pty Ltd.



5 YEAR
WARRANTY