



COMMERCIAL

# 5 WATT COMMERCIAL ANALOG PORTABLE RADIO CP50

Designed, engineered & manufactured in Australia. The CP50 is a fully featured 5 Watt commercial analog portable radio that has 7 dealer programmable keys and supports up to 2047 channels across 127 Zones.

The CP50 is suitable for a wide range of commercial applications with practical features such as channel announcement, 45 channels per second scanning, 19 hour standard talk time and up to 1.5 Watt audio output as well as an option for an additional audio boost when using a connected accessory.

The CP50 also includes important safety features such as a dedicated emergency button, man-down, and lone worker.

Built to military grade specifications (MIL-STD-810G), the CP50 is dust tight & 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

2047 Total Channel Capacity
UHF CB / PRS Capable (dealer enabled)
450-520 MHz (transmit)
127 Zones
5 Watt Transmission Power
1.5W Audio Output (internal)
750mW Audio Output Aux Port (external)
Voice Channel Announcement
IP67 Dust Tight & Waterproof (1 mtr / 30 min)
MIL-STD-810G
Dedicated Emergency Button
Man Down
Lone Worker
5 Tone Selcall
MDC 1200 Compatible
RSSI & Busy Voting



**5** YEAR  
WARRANTY

# Specifications

## GENERAL

Frequency Range:	450–520 MHz
Number of Channels:	2047 (80 UHF CB Capable)
Number of Zones:	127
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 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°C to +60°C
Ingress Protection:	IP67 (dust tight and waterproof)
Accessory Connector:	Dual Jack

# Accessories

## ANTENNA

AE4028:	450-520 MHz Wideband Antenna to suit CP Series
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## BATTERY

BP028:	2600 mAh Li-Ion Battery to suit CP Series
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## BELT CLIP & CASES

MB058:	Belt Clip to suit CP Series
CC28:	Nylon Case to suit CP Series
LC009:	Heavy Duty Leather Case to suit CP Series

## POWER SUPPLY

BCD022:	240V Single Unit Desktop Charger to suit CP Series
BCD023:	240V Dual Unit Desktop Charger to suit CP Series
PS005:	AC Adaptor for BCD022 & BCD023
BCV012:	Car Kit Charger to suit CP Series with 12 Volt Adaptor

## SPEAKER MICROPHONES

MC012:	Light Weight IP67 RSM to suit CP Series
MC050:	Heavy Duty IP67 RSM to suit CP Series
HS016:	G-Hook in Ear Microphone to suit CP Series

## PROGRAMMING CABLE

LS009:	USB Programming Lead to suit CP Series
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**5 YEAR**  
WARRANTY



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