



PROFESSIONAL

INTRODUCING THE CP50 SERIES

The **CP50** is an Australian designed and manufactured Professional 5 watt UHF radio. Encompassing cutting-edge Digital Signal Processing circuitry, the CP50 delivers a future-proof platform for advanced features and value-added software functionality.

The CP50's unique selectable 100mW low power transmit mode coupled with the 2600mAh Lithium-ion battery pack offers extended operational hours.

Finally, an IP67 dust and waterproof rating provides exceptional durability even under the harshest environmental conditions.

FEATURES

Loud and Clear 1500mW of Audio Output

Compact and Rugged Design which meets both IP67 and MIL-STD-810G

Selectable Power Output 5W/ 1W/ 100mW

Extra Long Battery Life up to 50 Hours (100mW Mode)

RSSI and Busy Voting

5 and 10 Tone Selcall

MDC1200 Compatible

Stun and Revive Capability

Man down and Lone Worker

Channel Capacity 2047, with 127 Zones

TX Frequency Range 450-520 Mhz

9 Programmable Press and Hold Buttons

Open API/ AT Commands

Voice Channel Announcement



Specifications

GENERAL

Frequency Range	450-520 MHz
Number of Channels/ Zones	2047/ 127
Channel Bandwidth	12.5 kHz
Emission	8K50F3E
Antenna impedance	50 Ohms
Input impedance (MIC)	2.2k ohms
Output Impedance (audio)	8 ohms
Operating Temperature Range	-20 to +60 Deg C
Battery	7.4V DC
Current Drain (approx.)	Power Save Mode: Standby: 0.1A, TX 0.1W: 0.15A, TX 5W: 1.7A
Dimensions	59mm x 128mm x 42mm
Weight	337g (with battery and antenna)

IP RATING

IP67	Dust Tight and Waterproof
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TRANSMITTER

Rated Output Power	5W, 1W, 100mW
Modulation	FM
Maximum Permissible Deviation	±2.5 kHz (N)
Frequency Error	±2.5 ppm
Spurious Emissions	-34dBm
Adjacent Channel Power	-67dBm
Audio Harmonic Distortion	0.4% @ 1kHz/ 1.5k Deviation
FM Hum and Noise (with CCITT Filter)	-50.8dB
Residual modulations (with CCITT Filter)	-49.7dB

RECEIVER

Sensitivity:	12dB SINAD: -120dBm
Intermediate Frequencies	38.85Mhz 450k
Audio Power Output	1.5 W with 8Ω
Adjacent Channel Selectivity	61dB
Spurious Response	71dB
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

US MILITARY SPECIFICATION

Standard	MIL-STD 810G	
	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

Accessories

CHARGERS AND POWER SUPPLY

BCD022	Single Desktop Charger
BCD023	Dual Desktop Charger
BCV012	Car Kit Charger
BCM002	Six Bay Multicharger
PS005	Power Supply to Suit BCD022 and BCD023

MICROPHONES

MC012	Speaker Microphone
HS016	Ear Piece and Microphone

CASES

LC009	Heavy Duty Leather Case
CC28	Nylon Case

ANTENNAS

AE4028	UHF Low Band 450 -490MHz
AE4029	UHF High Band 480-520MHz
AE4030	UHF Wideband 450 -520MHz

PROGRAMMING CABLE

LS009	USB Programming Cable
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BATTERY PACK

BPO28	2600 mAh Battery Pack
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BELT CLIP

MB058	Belt Clip
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www.gmeprofessional.net.au

Standard Communications Pty Ltd trading as GME.

Specifications are subject to change without notice, they are issued as a guide only and shall not form part of any contract without the express written authorisation of GME.

GME's Australian Manufacturing facility is ISO9001:2015 certified.