



MOTOROLA
intelligence everywhere™



**PROFESSIONAL
UHF CB RADIO**

MOTOROLA GM CBPRO

Durable and Reliable on the Road

Now you can easily enjoy the efficiency and productivity of two-way radio communications on the road. With more than 75 years of leadership in wireless communications worldwide and hallmark of high-quality products and services through digital six sigma, Motorola has brought its expertise to create the GM CBPRO, a Professional UHF Citizen Band mobile radio. There are no complicated licensing arrangements, contracts or fees involved.

With 40 channels it allows you communicate one-to-many at just the push of a button. Front facing speakers and the high performance microphone means clear messages, even in noisy backgrounds.

Its rugged and durable construction comfortably meets Military Specifications, MIL-STD 810C, D & E, which tests performance in harsh environments. Additional verification of durability by Motorola's stringent Accelerated Lifetime Testing (ALT) that simulates five years' usage in the field makes the GM CBPRO an effective tool even for industrial applications like Transport, Mining, Security and agri-business.

So get a quick start, save time and money for your business today!



KEY FEATURES AND BENEFITS

Rugged and Durable

Reliable even under the harshest of environments, the GM CBPRO is designed to comply with Military Specifications, MIL-STD 810C, D & E, for temperature extremes, solar radiation, rain, humidity, salt fog, dust, vibration and shock.

Crystal Clear Audio

The excellent electrical specifications show that the GM CBPRO is able to effectively reduce interference and background noise whilst receiving and transmitting. Coupled with loud front-facing speakers, all this adds up to the great audio quality which Motorola radios are famous for.

14-Character Alphanumeric Display and Icons

The large 14-character alphanumeric display enables users to read the information clearly and easily. Intuitive icons displayed and the three LED status indicators also provide radio's operating status at a glance.

Remote Mounting Option

If space is a constraint, the control head and the transceiver can be installed separately, using a Remote Mount Kit. They can be as far as 3m, 5m or even 7m apart.

Scanning

User can monitor activities on different communication channels so that messages will not be missed.

Nuisance Channel Delete

Allows the user to concentrate on road conditions by temporarily deleting a channel that continually generates unwanted noise.

Low (1W) and High (5W) Power Toggle Per Channel

Provides flexibility to adjust power level to suit the user environment.

Additional Features

The Motorola GM CBPRO also comes with the following capabilities:

- Squelch
- Repeater / Talkaround*
- Time-out Timer



ACCESSORIES FOR SAFETY AND EFFICIENCY

Chances are, you are going to be doing a lot of talking on the road. Keep yourself safe, with a host of Motorola accessories that allow you to concentrate on tackling traffic conditions.



AARMN4026
Enhanced Keypad Mic



RLN4857
Pushbutton with Remote PTT



ALN6873
Remote Mount Kit
(cables not shown)



RSN4001
External Speaker



RMN4856
Footswitch with Remote PTT

Hands Free

- RLN4857 Pushbutton with remote PTT
- RLN4858 Gooseneck with remote PTT
- AARMN4027 Visor Mounted Microphone
- RLN4856 Footswitch with remote PTT

Microphone

- AARMN4026 Enhanced Keypad Microphone
- AARMN4038 Heavy Duty Microphone

External Speaker

- HSN8145 External Speaker 7.5W
- RSN4001 External Speaker 13W

Mounting Kits / Remote Mount Kits

- RLN4779 Key Lock Mount
- HLN8097 Removable Slide Mount
- ALN6873 Remote Mount Kit with 3m cables
- ALN6875 Remote Mount Kit with 5m cables
- ALN6877 Remote Mount Kit with 7m cables

*Applicable to Australian models only.

GENERAL	UHF
Specifications*	
Frequency Range	476.425 - 477.400 MHz
Frequency Stability (-30°C to 60°C, 25c Ref.)	± 2.0ppm
Channel Capacity	40
Power Output	1-5W
Power Supply	13.2 Vdc (10.8-15.6 Vdc) Negative Vehicle ground
Channel Spacing	25kHz
Dimensions (L x W x H)	186mm x 179mm x 59mm (add 9mm for volume knob)
Weight	1400gms (3.15 lbs)
Operating Temperature	-30 to +60 degC
Sealing	Passes rain testing to IP54
Shock and Vibration	Meets MIL-STD 810-C,D&E and TIA/EIA 603
Dust	Meets MIL-STD 810-C,D&E and TIA/EIA 603
Humidity	Meets MIL-STD 810-C,D&E and TIA/EIA 603
TRANSMITTER	UHF
Modulation Limiting	± 5.0 kHz
FM Hum & Noise	-45dB
Conducted/ Radiated Emissions	- 36dBm < 1 GHz - 30dBm > 1 GHz
Adjacent Channel Power	- 70dB
Audio Response (300 to 3000Hz)	+1, -3dB
Audio Distortion @ 1000Hz, 60% Rated Maximum Deviation	3%
RECEIVER	UHF
Sensitivity (12dB SINAD)	0.22 uV
Intermodulation (EIA)	75dB
Adjacent Channel Selectivity	75dB
Spurious rejection	75dB
Rated Audio	3W Internal 7.5W & 13W External
Audio Distortion @ rated audio	3% Typical
Hum & Noise	- 45dB
Audio Response (300 to 3000Hz)	+1, -3dB
Conducted Spurious Emission per FCC part 15	- 57dBm < 1 GHz - 47dBm > 1 GHz

* Availability subject to country's law and regulation.
Radios meet applicable regulatory requirements.
All specifications shown are subject to change without notice.
Specifications are not representative of all radios and may vary in different radios.

Mobile Military Standards 810 C		
Applicable MIL-STD	Methods Procedures	
Low Pressure	500.1	1
High Temperature	501.1	1,2
Low Temperature	502.1	2
Temperature Shock	503.1	1
Solar Radiation	505.1	1
Rain	506.1	2
Humidity	507.1	2
Salt Fog	509.1	1
Dust	510.1	1
Vibration	514.2	8,10
Shock	516.2	1,5
Mobile Military Standards 810 D		
Applicable MIL-STD	Methods Procedures	
Low Pressure	500.2	2
High Temperature	501.2	1,2
Low Temperature	502.2	1,2
Temperature Shock	503.2	1
Solar Radiation	505.2	1
Rain	506.2	2
Humidity	507.2	2,3
Salt Fog	509.2	1
Dust	510.2	1
Vibration	514.3	1
Shock	516.3	1
Mobile Military Standards 810 E		
Applicable MIL-STD	Methods Procedures	
Low Pressure	500.3	2
High Temperature	501.3	1,2
Low Temperature	502.3	1,2
Temperature Shock	503.3	1
Solar Radiation	505.3	1
Rain	506.3	2
Humidity	507.3	3
Salt Fog	509.3	1
Dust	510.3	1
Vibration	514.4	1
Shock	516.4	1



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For more information, please contact:



One-Year Warranty

Each Motorola radio is backed by a one-year warranty on radio parts and labour.



Accelerated Life Testing

Motorola's Accelerated Life Testing simulates five years of hard use in real life, EIA RS-316B in Shock, Vibration, Dust, Humidity, IP54 for Sealing.



MIL-STD 810C, D and E

Stamp of approval from the U.S. Military for use in rough environments.



ISO 9001 Standard

Compliance with ISO 9001 Standard - an international quality system assurance on design, development, production, installation and servicing of a product.