



COMMERCIAL CITIZEN BAND TWO-WAY RADIO CB PRO PLUS

FUNCTIONAL COMMUNICATIONS WITH A HARDY EXTERIOR.





COMMERCIAL CITIZEN BAND (CB) RADIO

CB PRO PLUS

Looking for a commercial citizen band radio with the assurance of the Motorola quality seal?

Look no further, the Motorola CB PRO Plus is your communication solution.

The Motorola CB PRO Plus is an easy-to-use radio operating on the Citizen Band and does away with the need for annual licensing fees or contracts. It is ideal for anyone wanting a simple, affordable CB radio which is also built to meet Motorola's superior commercial quality standards.

With 80 CB channels, the CB PRO Plus boasts built-in voice scrambling providing enhanced privacy and communication while improving work efficiency.

Its durable, lightweight and compact design is comfortable to use and is ideal for agriculture, education and hospitality applications as well as the rugged industrial environments of construction, mining and manufacturing.

The CB PRO Plus meets US military specifications! Temperature extremes, solar radiation, rain, humidity, salt, fog, dust, vibrations and even electric shock won't phase the performance of this hard working radio.

The Motorola CB PRO Plus is a quick start communication tool that is easy on the hip pocket and can be utilised with a large range of genuine Motorola and Mag One accessories giving you operational efficiency backed by Motorola's renowned reliability.

Communication is important, so why make it hard?

The CB PRO Plus is a rugged radio that has been designed with you in mind.

KEY FEATURES

- 80 channels.
- No annual licensing fees or contracts.
- Large range of accessories.
- 2 year warranty.
- Built in voice scrambling.
- UP to 16 hours battery life.
- Meets U.S. military standards MIL 810 C, D, E, F.
- Comes complete with 15mAh Lithium Ion battery, whip antenna, belt clip and single unit rapid charger.

ACCESSORIES

A wide range of Motorola Original® audio, energy and carrying accessories, as well as Mag One™ audio accessories, provide an affordable option for light duty radio users.

Battery & Charger



1500mAh Lilon battery (without belt clip)
PMNN4081 - Supplied
2150mAh Lilon battery (without belt clip)
PMNN4080



Tri chemistry single unit 240V rapid charger
PMLN5395 - Supplied

Remote Speaker Microphones



Mag One remote speaker microphone
PMMN4008



Wind porting remote speaker microphone with 3.5mm audio accessory jack
PMMN4013

Wind porting waterproof (IP57) remote speaker microphone
PMMN4029

Remote Speaker Microphone Ear Pieces



Receive-only flexible receiver RSM ear piece (3.5mm)
WADN4190



Receive-only ear bud RSM ear piece (3.5mm)
AARLN4885



Receive-only D-shell RSM ear piece (3.5mm)
PMLN4620



Receive-only quick release acoustic tube RSM ear piece (3.5mm)
RLN4941

Carrying Accessories



Protective leather case
PMLN5334

Spring belt clip (for 1.5" belt width)
HLN9844

Headsets



Ultra-light headset with boom mic and in-line PTT/VOX Switch (Mag One)
PMLN4445



Light weight headset with swivel boom microphone
HMN9013



Temple transducer headset with in-line PTT and microphone
PMLN5003

Ear Pieces



2-wire surveillance kit with over the ear hook (beige)
HMN9754



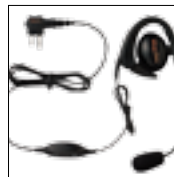
2-wire surveillance kit with D-style ear piece (black)
PMLN5001



Mag One ear bud with in-line mic/PTT/VOX switch
PMLN4442



Mag One flexible ear receiver with in-line mic/PTT/VOX switch
PMLN4443



Mag One ear set with boom mic and in-line PTT/VOX switch
PMLN4444

2-wire surveillance kit with over the ear hook (black)
RLN4895
2-wire surveillance kit with quick release acoustic tube (black)
RLN5317
2-wire surveillance kit with quick release acoustic tube (beige)
RLN5318

Acoustic Tube Spares



Extreme noise kit, includes foam ear plugs with quick release acoustic tube (black clip)
RLN6230



Low noise kit, includes rubber tip with quick release acoustic tube (black clip)
RLN6232



Quick release acoustic tube replacement
RLN6242

Extreme noise kit, includes foam ear plugs with quick release acoustic tube (beige clip)
RLN6231
Low noise kit, includes rubber tip with quick release acoustic tube (beige clip)
RLN6241

Antennas

UHF 9cm stubby helical antenna (465-495 MHz)
PMAE4006
UHF 16.5cm whip antenna (403-520 MHz)
PMAE4016 - Supplied

CP PRO PLUS RADIO SPECIFICATIONS*

GENERAL SPECIFICATION		CB PRO PLUS / UHF						
Frequency Range ^f		476MHz (CH 1 - 80)						
Memory Channels		80 CH						
Channel Spacing		12.5kHz						
Operating Temperature Range		-30°C to +60°C (Radio)						
Dimensions (H X W X D) with								
Lilon battery		120 x 55 x 35.5 mm						
NiMH battery		120 x 55 x 36.5 mm						
High Capacity Lilon battery		120 x 55 x 40.7 mm						
Weight with								
Lilon battery		335.0 gm						
NiMH battery		394.5 gm						
High Capacity Lilon battery		342.0 gm						
Average Battery Life @5-5-90% Duty Cycle, with		High Power						
Lilon battery		up to 11 hrs						
NiMH battery		up to 9 hrs						
High Capacity Lilon battery		up to 16 hrs						
Sealing		Passes rain testing per IP54						
Shock & Vibration		Diecast with impact resistance polycarbonate housing, Meets MIL-STD810C/D/E/F						
Dust & Humidity		Weather resistant housing Meets MIL-STD810C/D/E/F						
Transmitter		CB PRO PLUS / UHF						
RF Output		High Power 4W	Low Power 1W					
Spurs and Harmonics		9kHz - 1GHz < -36dBm > 1GHz < -30dBm						
Frequency Stability (-30°C to +60°C)		+/- 2.5ppm						
FM Hum & Noise		> 40dB						
Modulation Limiting		≤ 2.5kHz (12.5kHz)						
Audio Response (from 6dB/oct pre-emphasis, 300-3000Hz)		≤ +1/-3dB						
Audio Distortion @ 1kHz tone, 60% rated max dev.		<5%						
Receiver		CB PRO PLUS / UHF						
Sensitivity (12dB SINAD)		<-119 dBm (0.25uV)						
Adjacent Channel Selectivity		>65dB (12.5kHz)						
Intermodulation		>70dB						
Spurious Rejection		>70dB						
Audio Distortion		<5%						
Hum and Noise		>40dB						
Conducted Emission		< -57dBm for below 1GHz < -47dBm for above 1GHz						
Audio Output @ <5% Distortion		500mW (at 24 ohm)						
Military Standards								
Applicable MIL-STD	810C		810D		810E		810F	
	Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.
High Temperature	501.1	I, II	501.2	I/A1, II/A1	501.3	I/A1, II/A1	501.4	I/Hot, II/Hot
Low Temperature	502.1	I	502.2	I/C3, II/C1	502.3	I/C3, II/C1	502.4	I/C3, II/C1
Temperature Shock	503.1	—	503.2	I/A1C3	503.3	I/A1C3	503.4	I
Solar Radiation	505.1	II	505.2	I	505.3	I	505.4	I
Humidity	507.1	II	507.2	II	507.3	II	507.4	—
Salt Fog	509.1	—	509.2	—	509.3	—	509.4	—
Blowing Dust	510.1	I	510.2	I	510.3	I	510.4	I
Vibration	514.2	VIII/F, Curve-W	514.3	I/10, II/3	514.4	I/10, II/3	514.5	I/24

*Availability subject to country's laws and regulations. Radios meet applicable regulatory requirements.

All specifications subject to change without notice. Specifications are not representative of all radios and may vary in different radios.

^fRadio frequencies subject to availability.

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Motorola Solutions Australia Pty Limited

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Motorola: Reliability & Quality



Accelerated Life Testing
Stringent Motorola Accelerated Life Testing simulating five years of hard use in real life. EIA R5-3168 in Shock, Vibration, Dust, Humidity, IP54 for Sealing.



MIL-STD 810C, D, E and F
Stamp of Approval from the U.S. Military for use in rough environments.



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