







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 accessorites.
- 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.

Mag One remote

PMMN4008

speaker microphone

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**



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) RSM ear piece (3.5mm) **AARLN4885** PMLN4620



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

Carrying Accessories



Spring belt clip (for 1.5" belt width) HLN9844

Headsets



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

Light weight headset

with swivel



headset with in-line PTT and microphone PMLN5003

Mag One ear bud with

Ear Pieces



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

Acoustic Tube Spares



includes foam ear plugs with quick release acoustic tube (black clip) RLN6230



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

Low noise kit, includes

rubber tip with quick

release acoustic tube

(black clip) RLN6232

in-line mic/PTT/VOX switch PMLN4442



Mag One flexible ear receiver with in-line mic/PTT/VOX switch PMI N4443



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

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**



tube replacement RLN6242

RLN4895 2-wire surveillance kit with quick release acoustic tube (black) RLN5317

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

Protective leather case PMLN5334

2-wire surveillance kit with quick release acoustic tube (beige) RLN5318

Antennas

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

nagazory Nango' 4788/htt (OH 1- 80) Spannory Example 12.94/r Spannory Example	CP PRO PLUS RADIO SPECIFICATIONS*									
Bit OH Second Seco	GENERAL SPECIFICATION	CB PRO PLU	CB PRO PLUS / UHF							
James Byoeing 975 Hz	Frequency Range [#]	476MHz (CH								
Sparsting Inspirators Range -30°U to -40°C (Hallo) Innerators (R W X D) with 120 x 55 x 36 5 mm MM testray 120 x 55 x 36 5 mm Igle packet Line Value 120 x 55 x 36 5 mm Igle packet Line Value 120 x 55 x 36 5 mm Igle packet Line Value 120 x 55 x 36 5 mm Igle packet Line Value 120 x 55 x 36 5 mm Igle packet Line Value 120 x 55 x 36 5 mm Igle packet Line Value 120 x 55 x 36 5 mm Igle packet Line Value 120 x 55 x 36 5 mm Igle packet Line Value 320 g Igle pa	Memory Channels	80 CH	80 CH							
Tamesian (47 MV R) youth 120 x 55 x 85 5 mm Vertice Vertice<	Channel Spacing	12.5kHz	12.5kHz							
10 k 65 k 35 migh Caccord Vilon battory120, 65 x 40 mNigh Caccord Vilon battory350 gNNigh Caccord Vilon battory350 gNNigh Caccord Vilon battory362 gNNigh Caccord Vilon battory362 gNNigh Caccord Vilon battoryigh to 80%NNigh Caccord Vilon battoryigh to 80%NNNigh Caccord Vilon battoryigh to 80%NNNigh Caccord Vilon battoryigh to 80%NNNNigh Caccord Vilon battoryigh to 80%NNNNigh Caccord Vilon battoryigh to 80%NNNNNigh Caccord Vilon battoryigh to 80%NNNNNNNigh Caccord Vilon battoryigh to 80%NNNNNNNNNNNNNNNNNNNNNNNNNN	Operating Temperature Range	-30°C to +60	-30°C to +60°C (Radio)							
Mich list view of the state	Dimensions (H X W X D) with									
igin Canadry Uian battany and 20 sets 40. rms iana battany and 20 gen sets and se	Lilon battery	120 x 55 x 3	5.5 mm							
Weight with into heatney 385 0 gn	NiMH battery									
alin batany 385 g n = series 285 93% Dry Cycle, with a flagh Tow = we age Bating Line So 53% Dry Cycle, with a flagh Tow = we age Bating Line So 53% Dry Cycle, with a flagh Tow = batany and the series and the se		120 x 55 x 40).7 mm							
884 Sgm 990 montoring 384 Sgm Wanage Battany Life 66:5-80% Day Cycle, with High Powar UP 10 11 hrs UP 10 11 hrs UP 10 11 hrs UP 10 10 hrs UP 10 10 hrs UP 10 10 hrs UP 10 10 hrs UP 10 10 hrs UP 100 VDS/UF/F Statk Monation UP 100 VDS // UP // U	Weight with									
Igh Cagany Link battary 942.0 gm warage Battary Life 65-590% Logy Cycle, with High Prover U up to 1 hrs up to 9 hrs S igh Caganity Link battary up to 1 hrs S igh Caganity Link battary up to 8 hrs S igh Caganity Link battary up to 8 hrs S igh Caganity Link battary Use and thirs and trainers polyachronice housing. Meets MIL-STD8 10C/D/F/F Next K Windron Disease rain trainers intermone polyachronice housing. Meets MIL-STD8 10C/D/F/F Next K Windron GP POP USV UHF INV For and Hamonices S6040 - 1610 < - 36080m	•	-	-							
High Power High Po		-								
Jain January μp in 11 hrs Milh Hatery μp is 1/s Jeaster and testing or 1P54 Steading Passes rain testing par IP54. Nick & Vurnaling Weather resistance polyvarbo-nate housing. Mealts MIL-STDB 10C/D/C/F Steaded and thingaat resistance polyvarbo-nate housing. Mealts MIL-STDB 10C/D/C/F Inv Teamsitter GB PRO PLUS VUF Forgunard Standard Control GB PRO PLUS VUF Teamsitter Inv Forgunard Standard Control High Power Forgunard Standard Control High Power Forgunard Standard Control High Power Hun & Nuose > 4005 Standard Control High Power Hun & Nuose > 4005 Much Baynow (Instandard Control High Power Nationard Bide transmits Standard Control Much Baynow (Instandard Control Standard Control Much Baynow (Instandard Contro) Standard Control										
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Basing Passes rain testing per IPS4 block & Muriation Diecast with impact resistance polycatorate tousing. Meets MIL-STDB10C/D/E/F Bus & Humidity Westher resistance polycatorate tousing. Meets MIL-STDB10C/D/E/F Fassmiter CB PRO PLUS / UHF Fassmiter CB PRO PLUS / UHF Bydip of Differ INF Spips and Harmonics SHK1 - 10F4 < -360Bm			•							
bask & Humidity Weather resistant housing Meets MLL-STDB10/C/P/F/ Tarasmitter CB PR0 PUX / UHF Foluput High Power Low Power AW 1W V Spins and Harmonics 94Hz - 1GHz < 36dBm Secondam Spins and Harmonics 94Hz - 1GHz < 36dBm Secondam Terquency Stability (30°C to +60°C) 4/-2 Espin Secondam M Hun & Noise 254br (12 SHz) Secondam Secondam Mudio Besponse Ifrom 648//sct pre-emphasis, 300-3000Hz) 5 11/-348 Secondam Secondam Secondam CB PR0 PUX / UHF Secondam Secondam Secondam Genetion CB PR0 PUX / UHF Secondam Secondam Secondam Secondam CS PR0 PUX / UHF Secondam Secondam Secondam Genetion CS PR0 PUX / UHF Secondam Secondam Secondam Genetion CS PR0 PUX / UHF Secondam Secondam Secondam Secondam Genetion CS PR0 PUX / UHF Secondam Secondam Secondam Secondam S	Sealing	· · · · · · · · · · · · · · · · · · ·								
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Fransmitter CB PRD PLUS / UHF Low Power Low Power High Power Low Power Low Power Low Power AW 1W 1W 1W spars and Harmonics 9Hz+ 10Hz < -30dBm	Dust & Humidity									
4W IW Spurs and Harmonics 944/+ 104/+ 304 BBm Spurs and Harmonics 944/+ 104/+ 304 BBm >164/+ 2.304 BBm >164/+ 2.500 BBm requency Stability (30° Cto 460°C) 4/- 2.5pm M Huns Noise 2040B Vaduation Limiting 2.5 5kr (12.5 kr!) Vadio Besponse (rom 60B/oct pre-emphasis, 300.0000H2) ≤ 1.1 / 34B Vadio Distortion @ 1kH2 tone, 60% rated max dev. 45% Sensitivi (1208 SINAD) <119 GBm (0.25 krl)	Transmitter									
Spirs and Hamonics SHiftz < 3688m > 10Hz < 3008m	RF Output	High Power	High Power Low Power							
IGHz < -30dBm trequency Stability (30°C to 460°C) 4/-2 Sppm Meduation Limiting 2 Salx (12 SkHz) Vadio Besponse (from 6dB/oct pre-emphasis, 300-3000Hz) ≤ 11/-3dB Sality (120 K SINAD) CB PR D PUS / UHz Vadio Besponse (from 6dB/oct pre-emphasis, 300-3000Hz) ≤ 11/-3dB Sality (120 K SINAD) Reserver CB PR D PUS / UHz Sality (120 K SINAD) Vadio Besponse (from 6dB/oct pre-emphasis, 300-3000Hz) Reserver CB PR D PUS / UHz		4W				1W				
Frequency Stability (-30°C to +60°C) +/- 2 Sppn M Huns Noise > 404B Adulation Limiting ≤ 2 Sk/z (12.5kHz) Valido Response (from 68//xct pre-emphasis, 300-3000Hz) ≤ 1/-3a B Valido Response (from 68//xct pre-emphasis, 300-3000Hz) ≤ 1/-3a B Valido Response (from 68//xct pre-emphasis, 300-3000Hz) < 5%	Spurs and Harmonics	9kHz - 1GHz	< -36dBm							
M Hum & Noise > 40dB //dcul/aiton Limiting ≤ 2.5khz (12.5kHz) Vadio Response (from 6dB/oct pre-emphasis, 300-3000Hz) ≤ +1/-3dB Valio Distortion © 1kHz tone, 60% rated max dev. <5% Keceiver CB PRO PLUS / UHF Valio Bistoriion © 1kHz tone, 60% rated max dev. Valio Bistoriion © 1kHz tone, 60% rated max dev. Valio Bistoriion © 1kHz tone, 60% rated max dev. Valio Bistoriion © 1kHz tone, 60% rated max dev. Valio Bistoriion © 1kHz tone, 60% rated max dev. Valio Bistoriion Singuitation © 10kHz Valio Bistoriion Proc./Cat. Valio Dut (2 < 5% Distortion Singuitation Colspan="2">Staffa for below 1GHz Valio Output @ <5% Distortion Singuitation Singuit		> 1GHz < -30	dBm							
Addulation Limiting ≤ 2.5khz (12.5kHz) vudio Response (from 6dB/oct pre-emphasis, 300-3000Hz) ≤ 1/.3dB stortion @1 Net zone, 60% rated max dev. <5%	Frequency Stability (-30°C to +60°C)	+/- 2.5ppm								
Nudio Second Second<	FM Hum & Noise	> 40dB								
Audio Distortion @ 1kHz tone, 60% rated max dev. <5% Secretiver CB PR0 PUUS / UHF Secretiver CB PR0 PUUS / UHF Secretiver CB PR0 PUUS / UHF Secretiver <-119 dBm (0.25xl/)	Modulation Limiting	≤ 2.5khz (12.	≤ 2.5khz (12.5kHz)							
Receiver CB PRO PLUS / UHF Sensitivity (12dB SINAD) <119 dBm (0.25uV)	Audio Response (from 6dB/oct pre-emphasis, 300-3000Hz)	$\leq +1/-3dB$	≤+1/-3dB							
Sensitivity (12dB SINAD) <119 dBm (0.25vV) Adjacent Channel Selectivity >66dB (12.5kHz) ntermodulation >70dB Spurious Rejection >70dB Vadio Distortion <5%	Audio Distortion @ 1kHz tone, 60% rated max dev.	<5%								
Adjacent Channel Selectivity >65dB (12.5kHz) ntermodulation >70dB Spurious Rejection >70dB Vadio Distortion <5%	Receiver	CB PRO PLU	CB PRO PLUS / UHF							
Normal Symposition >70dB Spurious Rejection >70dB Audio Distortion <5%	Sensitivity (12dB SINAD)	<-119 dBm (0	<-119 dBm (0.25uV)							
Spurious Rejection >70dB Audio Distortion <5%	Adjacent Channel Selectivity	>65dB (12.5	>65dB (12.5kHz)							
Audio Distortion <5% turn and Noise >40dB Conducted Emission <-57dBm for below 1GHz	Intermodulation	>70dB	>70dB							
Audia and Noise >40dB Conducted Emission <-57dBm for below 1GHz	Spurious Rejection	>70dB	>70dB							
Non-diced Emission < -57dBm for below 1GHz Audio Output @ <5% Distortion	Audio Distortion	<5%	<5%							
< -47dBm for above 1GHz Audio Output @ <5% Distortion 500mW (at 24 ohm) Military Standards 810C	Hum and Noise	>40dB	>40dB							
Audio Output @ <5% Distortion 500mW (at 24 ohm) Military Standards 810C 810D 810E 810F Applicable MIL-STD 810C 70c./Cat. Method Proc./Cat. Method Proc.	Conducted Emission	< -57dBm for								
Military Standards Applicable MIL_STD 810C		< -47dBm for	< -47dBm for above 1GHz							
Number of the MIL-STD 810C 810D 810E 810F 810F Method Proc./Cat. Method Proc./Cat.<	Audio Output @ <5% Distortion	500mW (at 2	4 ohm)							
Method Proc./Cat.	Military Standards									
High Temperature 501.1 I, II 501.2 I/A1, II/ 501.3 I/A1, II/A1 501.4 I/Hot, II/ Low Temperature 502.1 I 502.2 I/C3, II/ 502.3 I/C3, II/ 502.4 I/C3, II/ 1/C3, II/ 1/C3, II/ 502.4 I/C3, II/ C1	Applicable MIL-STD	81	810C		810D		810E		810F	
A1 Hot Low Temperature 502.1 I 502.2 I/C3, II/ C1 502.3 I/C3, II/ C1 502.4 I/C3, II/ C1 502.4 I/C3, II/ C1 502.4 I/C3, II/ C1 100.4		Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.	
Low Temperature 502.1 I 502.2 I/C3, II/ 502.3 I/C3, II/ 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, 514.3 I/10, II/3 514.4 I/10, II/3 514.5 I/24	High Temperature	501.1	I, II	501.2	I/A1, II/	501.3	I/A1, II/A1	501.4	I/Hot, II/	
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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, 514.3 I/10, II/3 514.4 I/10, II/3 514.5 I/24					C1		C1		C1	
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, 514.3 I/10, II/3 514.4 I/10, II/3 514.5 I/24	Temperature Shock	503.1	-		I/A1C3		I/A1C3	503.4	I	
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, 514.3 I/10, II/3 514.4 I/10, II/3 514.5 I/24	Solar Radiation	505.1	II	505.2	I	505.3		505.4	I	
Blowing Dust 510.1 I 510.2 I 510.3 I 510.4 I Vibration 514.2 VIII/F, 514.3 I/10, II/3 514.4 I/10, II/3 514.5 I/24	Humidity	507.1	II	507.2	Ш	507.3	II	507.4	-	
Vibration 514.2 VIII/F, 514.3 I/10, II/3 514.4 I/10, II/3 514.5 I/24	Salt Fog	509.1	-	509.2	-	509.3	_	509.4	-	
	Blowing Dust	510.1		510.2	Ι	510.3		510.4	Ι	
Curve-W	Vibration	514.2	VIII/F,	514.3	I/10, II/3	514.4	I/10, II/3	514.5	I/24	
			Curve-W							

*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. *Radio frequencies subject to availability.

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Motorola Solutions Australia Pty Limited

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Accelerated Life Testing

Stringent Motorola Accelerated

years of hard use in real life. EIA

Life Testing simulating five



MIL-STD 810C, D, E and F



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

Stamp of Approval from the U.S. Military for use in rough environments. R5-3168 in Shock, Vibration, Dust, Humidity, IP54 for Sealing.