

CP200

Portable Two-way Radio



- Large, Textured Push-to-Talk Button
- Two Programmable Option Buttons
Supports a choice of up to four favorite functions with short/long press
- Large Rotary Channel Selector
- Tricolor LED
- Rotary On/Off and Volume Control
- Accessory Connector
- Rugged, Die-Cast Chassis
- 3 Inch Spring Action Belt Clip
Located on radio back
- Battery Latch Lock
Located on radio bottom

All CP200 models include:

- Li-Ion 2250 mAh Battery
- Rapid Rate Charger
- Antenna – VHF Heliflex or UHF Whip
- 3 Inch Belt Clip
- Safety and Warranty Booklet
- 2-Year Warranty

CP200 Portable Features:

- | | | |
|---|---|--|
| <ul style="list-style-type: none"> • 4/16 Conventional Channels • Large Rotary Channel Selector
Changes channels quickly and easily • Rotary On/Off and Volume Control • Tricolor LED
Indicates radio status and battery levels • Accessory Connector
Convenient access for audio accessories • 3 Inch Spring Action Belt Clip
Attaches radio firmly to belt • Rugged, Die-Cast Chassis
With polycarbonate housing for greater protection | <ul style="list-style-type: none"> • Large, Textured Push-to-Talk Button
Easy to find and use, even when wearing gloves • Two Programmable Option Buttons
Supports your choice of up to four product features • Privacy Codes Include:
42 standard TPL codes, 84 standard DPL codes and non-standard codes • System Scan and Auto Scan • Single Priority Scan
Frequently scans higher priority channel • Battery Latch Lock
Secures battery | <ul style="list-style-type: none"> • Quik-Call II™ Signaling
Call Alert
Selective Call • MDC 1200 Signaling
Selective Radio Inhibit
Radio Check
Selective Inhibit
Push-to-Talk ID • DTMF Signaling
DTMF Push-to-Talk ID • 2-year Standard Warranty |
|---|---|--|

Programmable Features: Choose up to 4

- | | | |
|--|---|---|
| <ul style="list-style-type: none"> • Sticky Monitor/Monitor • VOX • Power Level | <ul style="list-style-type: none"> • Repeater/Talk Around • Squelch | <ul style="list-style-type: none"> • Scan • Nuisance Channel Delete |
|--|---|---|

Ergonomic design and simple operation.
The design and simple operation of the CP200 portable two-way radio makes it ideal for education, hospitality, retail, manufacturing and security organizations. This radio features a large, textured push-to-talk button, X-Pand™ technology for crisp, clear audio and two programmable buttons for quick access to frequently used features—all in a light-weight, durable design.

SPECIFICATIONS

GENERAL SPECIFICATIONS			
	CP200 VHF		CP200 UHF
Frequency	136-162 MHz 146-174 MHz		403-440 MHz 438-470 MHz 465-495 MHz
Channel Capacity	4 or 16 Channels		
Power Supply	7.5 Volts ± 20%		
Dimensions with Battery	127.5 x 61.50 x 45mm (5.0 x 2.4 x 1.75 inches)		
2250 mAh Li-Ion	127.5 x 61.55 x 42mm (5.0 x 2.4 x 1.65 inches)		
1600 mAh Slim Li-Ion	127.5 x 61.55 x 43mm (5.0 x 2.4 x 1.69 inches)		
1400 mAh NiMH	127.5 x 61.50 x 45mm (5.0 x 2.4 x 1.75 inches)		
950 mAh NiCd			
Weight with Battery	370 g (13.04 oz)		
2250 mAh Li-Ion	374 g (13.19 oz)		
1600 mAh Slim Li-Ion	444 g (15.66 oz)		
1400 mAh NiMH	425 g (14.98 oz)		
950 mAh NiCd			
Average Battery Life ¹	1W	5W	1W 4W
2250 mAh Li-Ion	17 Hrs	14 Hrs	17 Hrs 14 Hrs
1600 mAh Slim Li-Ion	14 Hrs	12 Hrs	14 Hrs 12 Hrs
1400 mAh NiMH	11 Hrs	10 Hrs	11 Hrs 10 Hrs
950 mAh NiCd	9 Hrs	8 Hrs	9 Hrs 8 Hrs
FCC Designation	ABZ99FT3039 ABZ99FT3045		ABZ99FT4056 ABZ99FT4057 ABZ99FT4058

RECEIVER SPECIFICATIONS			
	CP200 VHF		CP200 UHF
Frequency	12.5 kHz	20/25/30 kHz ²	12.5 kHz 20/25/30 kHz ³
	136-162 MHz 146-174 MHz		403-440 MHz 438-470 MHz 465-495 MHz
Sensitivity ² (12dB EIA SINAD)	0.25 µV		0.25 µV
Adjacent Channel Selectivity ²	-65 dB	-70 dB	-60 dB -70 dB
Intermodulation ²	-70 dB	-70 dB	-70 dB -70 dB
Frequency Stability ² (-30° to +60° C)	0.00025%		0.00025%
Spurious Rejection ²	-75 dB		-75 dB
Image and 1/2 I-F Rejection ²	-70 dB		-70 dB
Audio Output ² @ < 5% Distortion	500mW		500mW

TRANSMITTER SPECIFICATIONS			
	CP200 VHF		CP200 UHF
RF Output	1W / 5W		1W / 4W
Frequency	136-162 MHz 146-174 MHz		403-440 MHz 438-470 MHz 465-495 MHz
Channel Spacing	12.5/20/25 kHz ³		
Frequency Stability (-30° to +60° C)	0.00025%		
Spurs/Harmonics ²	-36 dBm < 1 GHz, -30 dBm > 1 GHz		
Audio Response ² From 6dB/octave Preemphasis, 300 to 3000 Hz	+1, -3 dB		
Audio Distortion ² @ 1000 Hz, 60% Rated Maximum Deviation	< 3%		
FM Noise ²	-40 dB (12.5 kHz) -45 dB (25 kHz) ³		
FCC Modulation	20/25/30 kHz ³	16KOF3E 11KOF3E	16KOF3E 11KOF3E

PORTABLE MILITARY STANDARDS 810 C, D, E and F								
	MIL-STD 810C		MIL-STD 810D		MIL-STD 810E		MIL-STD 810F	
	Method	Procedures	Method	Procedures	Method	Procedures	Method	Procedures
Low Pressure	500.1	I	500.2	II	500.3	II	500.4	I
High Temperature	501.1	I, II	501.2	I, II	501.3	I, II	501.4	I, II
Low Temperature	502.1	I	502.2	I, II	502.3	I, II	501.4	I, II
Temperature Shock	503.1	I	503.2	I	503.3	I	503.4	I
Solar Radiation	505.1	I	505.2	I	505.3	I	505.4	I
Rain	506.1	I, II	506.2	I, II	506.3	I, II	506.4	I
Humidity	507.1	II	507.2	II, III	507.3	II, III	507.4	III
Salt Fog	509.1	I	509.2	I	509.3	I	509.4	I
Blowing Dust	510.1	I	510.2	I	510.3	I	510.4	I
Vibration	514.2	VIII, X	514.3	I	514.4	I	514.5	I
Shock	516.3	I, II, V	516.3	I, IV	516.4	I, IV	516.5	I

¹ 5% receive, 5% transmit, 90% standby.

² All electrical specifications and methods refer to EIA/TIA 603 standards. Specifications shown are typical and subject to change without notice.

³ 25 kHz not available in the US on new equipment after 1/1/2011.

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ENVIRONMENTAL	
Operating Temperature	-30° to +60° C
Storage Temperature	-40° to +85° C
ESD	IEC 801-2 KV
Thermal Shock	-40° to +80° C
Humidity	95% RH @ 8 Hour
Water and Dust Intrusion	IP 54
Packing Test	Impact test

Accelerated Life Test

Motorola's Accelerated Life Test (ALT) is a developmental process of rigorous laboratory testing that simulates years of field use. Motorola has a firm commitment to quality and reliability. These radios have been designed, manufactured and tested to achieve high levels of component and workmanship quality. Motorola radios are designed to minimize costly repairs and downtime.



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