

CP150/CP200

Portable Series Two-Way Radios

2-Year Standard Warranty

CP150/CP200

Features

- *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
- *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 (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*



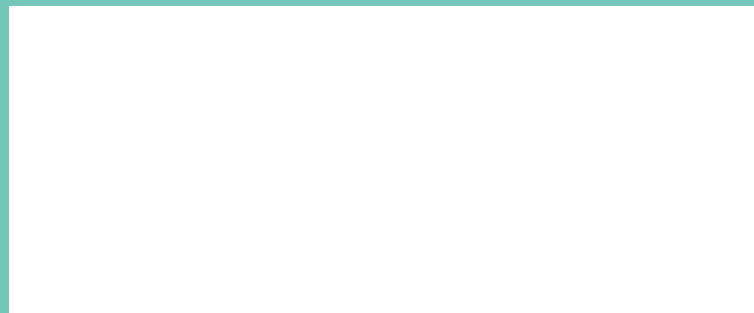
CP200 - Additional Features

Programmable

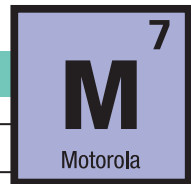
In addition to the above features, the CP200 portable radio offers the following signaling features:

- **Selective Call/Call Alert**
Using Motorola's Quick-Call II™ signaling, lets individuals or groups receive selective pages via radio tones.
- **Push-To-Talk ID**
Using Motorola's MDC data signaling sends unique ID information when transmitting.

For more information, contact:



CP150™/CP200™ Portable Two-Way Radio Specifications*



General Specifications

	VHF	UHF
Frequency:	136-162 MHz 146-174 MHz	438-470 MHz, CP200 Only: 403-440 MHz, 465-495 MHz
Channel Capacity:	4 or 16 Channels	4 or 16 Channels
Power Supply:	7.2 Volts ± 20%	7.2 Volts ± 20%
Dimensions:		
with 1100 mAh NiCd and 1800 mAh Li-ion Batteries:	127.5mm H x 61.5mm W x 45mm D (5.0" H x 2.4" W x 1.75" D)	127.5mm H x 61.5mm W x 45mm D (5.0" H x 2.4" W x 1.75" D)
with 1400 mAh NiMH Battery:	127.5mm H x 61.55mm W x 43mm D (5.0" H x 2.4" W x 1.69" D)	127.5mm H x 61.55mm W x 43mm D (5.0" H x 2.4" W x 1.69" D)
with 1600 mAh Slim Li-ion Battery:	127.5mm H x 61.55mm W x 42mm D (5.0" H x 2.4" W x 1.65" D)	127.5mm H x 61.55mm W x 42mm D (5.0" H x 2.4" W x 1.65" D)
Weight:		
with 1800 mAh Li-ion Battery:	370g (13.04 oz.)	370g (13.04 oz.)
with 1600 mAh Slim Li-ion Battery:	374g (13.19 oz.)	374g (13.19 oz.)
with 1400 mAh NiMH Battery:	444g (15.66 oz.)	444g (15.66 oz.)
with 1100 mAh NiCd Battery:	425g (14.98 oz.)	425g (14.98 oz.)
Average Battery Life @ 5-5-90 Duty Cycle:	2W 5W	2W 4W
1800 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.
1100 mAh NiCd:	9 Hrs. 8 Hrs.	9 Hrs. 8 Hrs.
FCC Designation:	ABZ99FT3045	ABZ99FT4056, ABZ99FT4057, ABZ99FT4058

Receiver Specifications

	VHF 12.5 kHz	VHF 20/25/30 kHz	UHF 12.5 kHz	UHF 20/25/30 kHz
Sensitivity: (12 dB EIA SINAD)	0.25 μ V (typical)	0.25 μ V (typical)	0.25 μ V (typical)	0.25 μ V (typical)
Adjacent Channel Selectivity:	-65 dB	-70 dB	-60 dB	-70 dB
Intermodulation:	-70 dB	-70 dB	-70 dB	-70 dB
Frequency Stability: (-30° C to +60° C)	0.00025%	0.00025%	0.00025%	0.00025%
Spur Rejection:	-75 dB	-75 dB	-75 dB	-75 dB
Image and 1/2 I-F Rejection:	-70 dB	-70 dB	-70 dB	-70 dB
Audio Output @ < 5% Distortion:	500mW	500mW	500mW	500mW

Transmitter Specifications

	VHF	VHF	UHF	UHF
RF Output:	Low 2W	High 5W	Low 2W	High 4W
Channel Spacing:	12.5/20/25 kHz	12.5/20/25 kHz	12.5/20/25 kHz	12.5/20/25 kHz
Frequency Stability: (-30° C to +60° C)	0.00025%	0.00025%	0.00025%	0.00025%
Spurs/Harmonics:	-36 dBm < 1 GHz -30 dBm > 1 GHz	-36 dBm < 1 GHz -30 dBm > 1 GHz	-36 dBm > 1 GHz -30 dBm > 1 GHz	-36 dBm > 1 GHz -30 dBm > 1 GHz
Audio Response: (from 6 dB/oct. Preemphasis, 300 to 3000 Hz)	+1, -3 dB	+1, -3 dB	+1, -3 dB	+1, -3 dB
Audio Distortion: @ 1000 Hz, 60% Rated Max. Dev.	<3%	<3%	<3%	<3%
FM Noise:	-40 dB (12.5 kHz) -45 dB (25 kHz)	-40 dB (12.5 kHz) -45 dB (25 kHz)	-40 dB (12.5 kHz) -45 dB (25 kHz)	-40 dB (12.5 kHz) -45 dB (25 kHz)
FCC Modulation: 20/25/30 kHz 12.5 kHz	16KOF3E 11KOF3E	16KOF3E 11KOF3E	16KOF3E 11KOF3E	16KOF3E 11KOF3E

CP150/CP200 Portable Military Standards

	810C		810D		810E		810F	
	Methods	Procedures	Methods	Procedures	Methods	Procedures	Methods	Procedures
Low Pressure:	500.1	1	500.2	2	500.3	2	500.4	1
High Temperature:	501.1	1, 2	501.2	1, 2	501.3	1, 2	501.4	1, 2
Low Temperature:	502.1	1	502.2	1, 2	502.3	1, 2	501.4	1, 2
Temperature Shock:	503.1	1	503.2	1	503.3	1	503.4	1
Solar Radiation	505.1	1	505.2	1	505.3	1	505.4	1
Rain:	506.1	1, 2	506.2	1, 2	506.3	1, 2	506.4	1
Humidity	507.1	2	507.2	2, 3	507.3	2, 3	507.4	3
Salt Fog:	509.1	1	509.2	1	509.3	1	509.4	1
Dust:	510.1	1	510.2	1	510.3	1	510.4	1
Vibration:	514.2	8, 10	514.3	1	514.4	1	514.5	1
Shock:	516.2	1, 2, 5	516.3	1, 4	516.4	1, 4	516.5	1

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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REV - 1/05

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