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› Motorola CP200D Two-Way Radio User Manual

Motorola CP200D (AAH01QDC9JC2AN)

Motorola CP200D Two-Way Radio User Manual

Model: CP200D (AAH01QDC9JC2AN)

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Motorola CP200D Analog & Digital UHF Portable Two-way Radio. The CP200D is designed for reliable communication, offering both analog and digital DMR capabilities. It features 16 channels and 4 watts of power, operating within the UHF 403-470 MHz frequency range. Please read this manual thoroughly before using your radio.



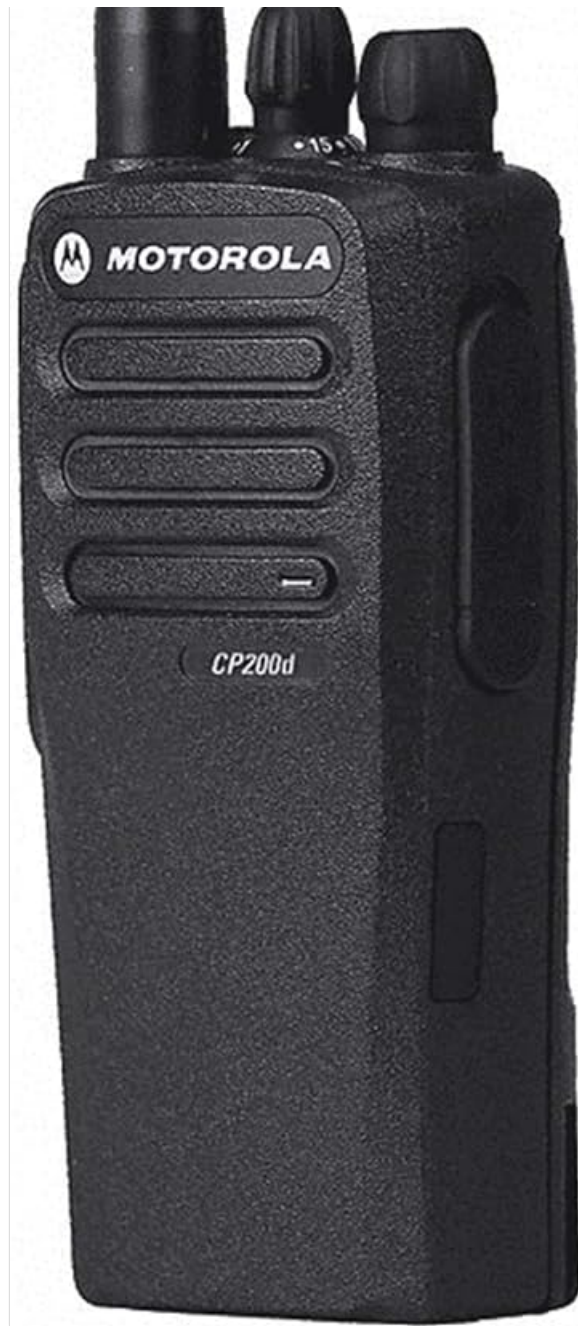


Figure 1: Motorola CP200D Two-Way Radio

2. PACKAGE CONTENTS

Verify that your package contains the following items:

- Motorola CP200D Portable Two-way Radio
- Standard Battery (Li-ion, 2250 mAh, 7.5V - NNTN4497)
- Standard AC Charger (90 Min. Rapid Rate - WPLN4138)
- Standard Antenna (UHF Heliflex - PMAE4016)
- 3-inch Belt Clip (HLN8255)



Figure 2: Included components: radio, battery, charger, antenna, and belt clip.

3. PRODUCT OVERVIEW: RADIO CONTROLS

This section identifies the buttons and functions to control the radio.

English

Radio Controls

This chapter explains the buttons and functions to control the radio.



- 1 Antenna
- 2 Push-to-Talk (PTT) Button
- 3 Side Button 1¹
- 4 Side Button 2¹
- 5 Microphone
- 6 Speaker

¹ These buttons are programmable.

- 7 LED Indicator
- 8 On/Off/Volume Control Knob
- 9 Channel Selector Knob

Programmable Buttons

Depending on the duration of a button press, your dealer can program the programmable buttons as shortcuts to **radio functions** or **preset channels/groups**.

Short press

Pressing and releasing rapidly.

Long press

Pressing and holding for the programmed duration.

Hold down

Keeping the button pressed.

The programmed duration of a button press is applicable to all assignable radio/utility functions or settings.

Figure 3: Diagram illustrating the radio controls and their corresponding numbers.

1. **Antenna:** For transmitting and receiving signals.
2. **Push-to-Talk (PTT) Button:** Press and hold to transmit, release to listen.
3. **Side Button 1:** Programmable function button.
4. **Side Button 2:** Programmable function button.

5. **Microphone:** For speaking during transmission.
6. **Speaker:** For receiving audio.
7. **LED Indicator:** Displays radio status (e.g., transmitting, receiving, battery status).
8. **On/Off/Volume Control Knob:** Turns the radio on/off and adjusts the volume.
9. **Channel Selector Knob:** Selects the desired operating channel.

Programmable Buttons

Depending on the duration of a button press, your dealer can program the programmable buttons as shortcuts to radio functions or preset channels/groups.

- **Short press:** Pressing and releasing rapidly.
- **Long press:** Pressing and holding for the programmed duration.
- **Hold down:** Keeping the button pressed.

The programmed duration of a button press is applicable to all assignable radio/utility functions or settings.

4. SETUP

4.1 Attaching the Battery

1. Align the battery with the grooves on the back of the radio.
2. Slide the battery upwards until it clicks into place.

4.2 Attaching the Antenna

1. Screw the antenna into the connector on the top of the radio.
2. Turn clockwise until it is finger-tight. Do not overtighten.

4.3 Attaching the Belt Clip

1. Align the belt clip with the mounting holes on the back of the radio.
2. Secure the belt clip with the provided screws.





Figure 4: Side view of the radio showing the attached belt clip.

4.4 Charging the Battery

Before initial use, fully charge the battery. The standard AC charger provides a rapid charge in approximately 90 minutes.

1. Plug the AC adapter into a power outlet.
2. Insert the radio with the battery attached, or just the battery, into the charging tray.
3. The charger's LED indicator will show the charging status (e.g., red for charging, green for fully charged).



Figure 5: Rapid desktop charger for the Motorola CP200D.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off and Volume Adjustment

1. To turn the radio **ON**, rotate the On/Off/Volume Control Knob (8) clockwise until you hear a click.
2. To adjust the volume, continue rotating the knob clockwise to increase volume or counter-clockwise to decrease.
3. To turn the radio **OFF**, rotate the knob counter-clockwise until you hear a click.

5.2 Selecting a Channel

1. Rotate the Channel Selector Knob (9) to choose one of the 16 available channels.
2. Ensure you are on the correct channel for your intended communication group.

5.3 Transmitting and Receiving

1. To **transmit**, press and hold the Push-to-Talk (PTT) Button (2). Speak clearly into the Microphone (5). The LED Indicator (7) will typically glow red during transmission.
2. To **receive**, release the PTT button. The LED Indicator (7) will typically glow green when receiving a signal.

5.4 Using Programmable Buttons

Your radio's Side Buttons (3 and 4) can be programmed by your dealer for various functions such as scan, high/low power, or emergency alerts. Refer to your dealer for specific programming details.

6. MAINTENANCE

6.1 General Care

- Keep the radio dry. Exposure to moisture can damage the internal circuitry.
- Do not expose the radio to extreme temperatures.
- Avoid dropping or subjecting the radio to severe impacts.

6.2 Cleaning

- Clean the radio's exterior with a soft, damp cloth.
- Do not use harsh chemicals or abrasive cleaners.
- Ensure the charging contacts on the radio and battery are clean and free of debris.

7. TROUBLESHOOTING

If you experience issues with your radio, try the following basic troubleshooting steps:

- **No Power:** Ensure the battery is properly attached and fully charged. Check that the On/Off/Volume knob is turned on.
- **Cannot Transmit or Receive:** Verify that the antenna is securely attached. Check that you are on the correct channel. Ensure the radio is within range of other radios or repeaters.
- **Poor Audio Quality:** Adjust the volume. Check for obstructions around the microphone and speaker. Ensure the antenna is not damaged.
- **Radio Not Charging:** Ensure the charger is plugged in and the radio/battery is correctly seated in the charging tray. Check for debris on charging contacts.

For more complex issues or if troubleshooting steps do not resolve the problem, contact your authorized Motorola dealer or support.

8. SPECIFICATIONS

The following table outlines the key performance and physical characteristics of the Motorola CP200D radio.

Performance Characteristics

Frequency range

VHF (136-174 MHz); UHF (403-470 MHz)

• Repeater capable

Yes

Estimated battery life

Analog: 14.5 hrs/Digital: 18.5 hrs

• Standard battery chemistry type

Lithium Ion

Frequency band

VHF, UHF

• 4 5 Watt

Yes

1 Watt

Yes

Physical Characteristics

Emergency button

None

• Keypad

None

Display

No Display

• Weight (with standard battery)

14.3 oz

Dimensions H x W x D (with standard battery)

9.5 x 8.5 x 3

Figure 6: Performance and Physical Characteristics of the Motorola CP200D.

Motorola CP200D Technical Specifications

Feature	Specification
Model Number	AAH01QDC9JC2AN
Frequency Range	UHF (403-470 MHz)
Number of Channels	16
Power Output	4 Watts
Battery Type	Lithium Ion (Li-ion, 2250 mAh, 7.5V)
Estimated Battery Life (Analog/Digital)	14.5 hrs / 18.5 hrs
Repeater Capable	Yes
Display	No Display
Keypad	None
Weight (with standard battery)	14.3 oz (0.405 kg)
Dimensions (H x W x D with standard battery)	9.5 x 8.5 x 3 inches (approximate)
Water Resistance Level	Waterproof

Feature	Specification
Color	Black
Country of Origin	Andorra

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The Motorola CP200D radio comes with a 2-year warranty. For specific terms and conditions of your warranty, please refer to the documentation provided at the time of purchase or contact your authorized Motorola dealer.

9.2 Customer Support

For technical assistance, service, or inquiries regarding your Motorola CP200D radio, please contact your authorized Motorola reseller. As an authorized reseller, we ensure genuine products and support.

You can also visit the official Motorola website for additional product information and support resources.

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