

Motorola MDC500GW

Motorola MDC500 Dual WiFi Dash Cam User Manual

Model: MDC500GW

1. INTRODUCTION

Thank you for choosing the Motorola MDC500 Dual WiFi Dash Cam. This device is designed to provide comprehensive front and rear vehicle monitoring with Full HD video quality, integrated GPS, and WiFi connectivity for easy footage management. This manual will guide you through the setup, operation, and maintenance of your dash cam to ensure optimal performance and safety.

2. SAFETY INFORMATION

- Do not operate the dash cam while driving. Adjust settings only when the vehicle is safely parked.
- Ensure the dash cam is securely mounted and does not obstruct the driver's view or interfere with vehicle controls.
- Use only the provided power adapter and cables to prevent damage to the device or vehicle.
- Avoid exposing the device to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- Do not attempt to disassemble or repair the device yourself. Refer all servicing to qualified personnel.
- Regularly check the dash cam's recording status to ensure it is functioning correctly.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Motorola MDC500 Dual WiFi Dash Cam
- Windshield Mount
- 24-12V Car Charger with 3.5m Cable
- User Manual

4. PRODUCT OVERVIEW

Familiarize yourself with the components of your Motorola MDC500 Dash Cam.



Figure 4.1: Motorola MDC500 Dash Cam mounted on a windshield, showing the main unit, suction cup mount, and power cable connection. The screen displays a road view.



Figure 4.2: Front view of the Motorola MDC500 Dash Cam, highlighting the main camera lens, 2-inch LCD screen, and control buttons (Power, Menu, OK, Up, Down, Mode, Lock).



Features



Front and rear
view monitoring



GPS receiver to log location
and speed data



Wi-Fi* and app to view,
download and share
footage

Figure 4.3: Diagram illustrating key features: Front and rear view monitoring, GPS receiver for location and speed data, and Wi-Fi with mobile app for viewing, downloading, and sharing footage.

Key Components:

- **Front Camera Lens:** 150° wide-angle lens for capturing the road ahead in 1080p Full HD.
- **Rear Camera Lens:** 12mm telephoto lens for monitoring the rear view in 720p.
- **2-inch LCD Screen:** For live view, playback, and menu navigation.
- **Control Buttons:** Power, Menu, OK, Up, Down, Mode, Lock.
- **Microphone & Speaker:** Built-in for audio recording and playback.
- **GPS Module:** Integrated for location and speed tracking.
- **Wi-Fi Module:** For wireless connection to mobile devices.
- **G-Sensor (Accelerometer):** Detects sudden impacts or movements.
- **MicroSD Card Slot:** For storage of recorded footage (card not included).

5. SETUP

Follow these steps for initial setup and installation of your dash cam:

1. **Insert MicroSD Card:** Before powering on, insert a compatible MicroSD card (Class 10 or higher, up to 32GB recommended) into the designated slot until it clicks.
2. **Mount the Dash Cam:** Attach the windshield mount to the dash cam. Clean a spot on your windshield, ideally near the rearview mirror, ensuring it does not obstruct your view. Press the suction cup firmly against the glass and engage the lock.
3. **Connect Power:** Plug the small end of the car charger cable into the dash cam's power input. Plug the other end into your vehicle's 12V power outlet (cigarette lighter socket).
4. **Adjust Angle:** Adjust the dash cam's lens angle to ensure it captures the road clearly, with the horizon in the middle of the screen.
5. **Power On:** The dash cam will typically power on automatically when the vehicle's ignition is turned on. If not, press and hold the Power button.
6. **Initial Settings:** Upon first use, you may need to set the date, time, and language. Navigate through the menu using the control buttons.

6. OPERATING THE DASH CAM

6.1. Basic Recording

Once powered on, the dash cam will automatically begin recording in a continuous loop. The recording indicator (usually a red dot or flashing icon) will appear on the screen.

6.2. Loop Recording

The dash cam records video in segments (e.g., 1, 3, or 5 minutes). When the memory card is full, the oldest unlocked files will be overwritten automatically to make space for new recordings. This ensures continuous recording without manual intervention.

6.3. G-Sensor (Collision Detection)

The built-in G-Sensor detects sudden acceleration, braking, or impacts. When triggered, the current video segment is automatically locked and saved to prevent it from being overwritten by loop recording. The sensitivity of the G-Sensor can be adjusted in the settings menu.

6.4. Parking Mode

With Parking Mode enabled and the dash cam connected to a continuous power source (or using its internal battery for short periods), the device can detect impacts or motion while your vehicle is parked. If an event is detected, it will automatically start recording and lock the footage.

7. WiFi CONNECTIVITY AND MOBILE APP

The Motorola MDC500 features built-in WiFi, allowing you to connect your smartphone or tablet to the dash cam for easy viewing, downloading, and sharing of recorded footage via a dedicated mobile application.

1. **Download the App:** Search for the official Motorola Dash Cam app (e.g., Hubble Dashcam) on your device's app store (Google Play Store for Android, Apple App Store for iOS).

- 2. **Enable WiFi on Dash Cam:** Access the dash cam's menu and enable the WiFi function. The screen will display the WiFi network name (SSID) and password.
- 3. **Connect Your Device:** On your smartphone/tablet, go to WiFi settings and connect to the dash cam's WiFi network using the provided password.
- 4. **Open the App:** Launch the mobile app. You should now be able to see a live view from the dash cam, browse recorded videos, download them to your device, and adjust certain settings remotely.

7.1. GPS Functionality

The integrated GPS module records your vehicle's location and speed data along with the video footage. This information can be viewed during playback on the dash cam or through the mobile app/desktop software, providing crucial context for any recorded events.

8. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the dash cam's body and lens. Do not use abrasive cleaners or solvents.
- **SD Card Management:** Format the MicroSD card regularly (e.g., once a month) using the dash cam's menu option. This helps maintain card health and prevents data corruption. Back up any important footage before formatting.
- **Storage:** When not in use for extended periods, store the dash cam in a cool, dry place away from direct sunlight.

9. TROUBLESHOOTING

If you encounter issues with your dash cam, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Dash cam does not power on.	No power, faulty cable, or dead battery.	Check car charger connection. Ensure vehicle's 12V outlet is active. Try a different power source if available.
Recording stops or freezes.	SD card error, full card, or incompatible card.	Format the SD card. Use a high-speed (Class 10 or higher) MicroSD card. Replace the SD card if issues persist.
Poor video quality.	Dirty lens, protective film, or low resolution setting.	Clean the lens. Remove any protective film. Check video resolution settings in the menu.
WiFi connection issues.	Incorrect password, app issues, or interference.	Ensure correct WiFi password. Restart both dash cam and mobile device. Reinstall the mobile app.
GPS not working.	Poor satellite signal or GPS module error.	Ensure the dash cam has a clear view of the sky. Move to an open area. Restart the device.

10. SPECIFICATIONS

Feature	Detail
Brand	Motorola

Feature	Detail
Model Name	MDC500GW
Color	Black
Screen Size	2 Inches
Connectivity Technology	Wi-Fi
Special Feature	Rechargeable (internal battery for parking mode)
Battery Composition	Lithium-ion / Lithium-polymer
Video Recording Resolution	Front: 1080p, Rear: 720p
Front Lens Angle	150° Wide Angle
Rear Lens	12mm Telephoto
Mounting Type	Windshield Mount
Vehicle Service Type	Car
Country of Origin	Hong Kong

11. WARRANTY AND SUPPORT

Your Motorola MDC500 Dash Cam is covered by a limited warranty. Please refer to the warranty card included in your package for specific terms and conditions. For technical support, troubleshooting assistance, or warranty claims, please visit the official Motorola support website or contact their customer service. Keep your purchase receipt as proof of purchase.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question