



Manuals.plus /

› Black Box /

› Black Box G1W-C Capacitor Model Dash Cam User Manual

Black Box G1W-C

Black Box G1W-C Capacitor Model Dash Cam User Manual

Model: G1W-C

[Introduction](#) [Safety Information](#) [Package Contents](#) [Product Overview](#) [Setup](#) [Operating Instructions](#)
[Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty & Support](#)

1. INTRODUCTION

Thank you for purchasing the Black Box G1W-C Capacitor Model Dash Cam. This device is designed to provide reliable video recording while driving, offering enhanced safety and documentation for your journeys. This manual will guide you through the setup, operation, and maintenance of your dash cam to ensure optimal performance. The G1W-C model features a capacitor instead of a traditional battery, which offers superior heat resistance and longevity, making it ideal for various temperature conditions. It records in Full HD 1080P and includes features such as a G-Sensor, motion detection, and Wide Dynamic Range (WDR) technology for clear video quality.

2. SAFETY INFORMATION

- Ensure the dash cam is securely mounted and does not obstruct your view of the road or interfere with vehicle controls.
- Do not operate the dash cam or adjust settings while driving. Always pull over to a safe location before making any adjustments.
- Use only the provided car charger and cables. Using unauthorized accessories may damage the device and void the warranty.
- The capacitor-based design requires the device to be continuously plugged into a power source to operate and save settings.
- Keep the device away from water, moisture, and extreme temperatures outside its operating range.
- Do not attempt to disassemble or repair the device yourself. Contact customer support for assistance.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Black Box G1W-C Dashboard Camera

- High Quality Suction Mount Bracket
- USB Cable
- HDMI Cable
- Car Charger
- User Manual (this document)

Note: A Micro SD Card (up to 32GB, Class 10 recommended) is required for recording and is not included in the package.



Image: Contents of the Black Box G1W-C Dash Cam package.

4. PRODUCT OVERVIEW

Familiarize yourself with the main components and controls of your Black Box G1W-C Dash Cam.

Front View



Image: Front view of the dash cam.

- **Lens:** 140-degree ultra-wide angle lens with 4x digital zoom and WDR technology.
- **LED Light:** Enhanced LED for night vision capability.

Rear View (LCD Screen)



Image: Rear view of the dash cam with LCD screen.

- **2.7" High Resolution LCD Screen:** For live view, playback, and menu navigation.
- **Control Buttons:** Used for menu navigation, recording start/stop, and mode selection.

Top/Side View (Ports and Slots)



Image: Top view of the dash cam showing ports.

- **USB Port:** For power supply and data transfer.
- **AV OUT:** For connecting to an external display.
- **Micro SD Card Slot:** Insert your Micro SD card here for video storage.

5. SETUP

Follow these steps for initial setup of your dash cam:

5.1. Insert Micro SD Card

1. Ensure the dash cam is powered off.
2. Locate the Micro SD card slot on the side of the device.
3. Insert a Class 10 Micro SD card (up to 32GB) into the slot until it clicks into place.

5.2. Attach Suction Mount

1. Attach the suction mount to the top slot of the dash cam.
2. Clean the desired area on your windshield.
3. Press the suction cup firmly against the windshield and flip the lever to secure it. Ensure it does not obstruct your driving view.



Image: Attaching the suction mount.

5.3. Connect Power

1. Connect the car charger to the USB port on the dash cam.
2. Plug the other end of the car charger into your vehicle's 12V power outlet (cigarette lighter socket).
3. The dash cam will automatically power on and begin recording when your vehicle starts.

6. OPERATING INSTRUCTIONS

6.1. Basic Operation

- **Power On/Off:** The dash cam powers on automatically with vehicle ignition and powers off when the vehicle is turned off. You can also manually power on/off using the power button.
- **Recording:** The device automatically starts loop recording upon power-on. A red indicator light or icon on the screen confirms recording is active.
- **Loop Recording:** The dash cam records continuously, overwriting the oldest files when the Micro SD card is full.

6.2. Key Features

- **G-Sensor:** The built-in G-Sensor detects sudden movements (e.g., hard braking, impact, rapid acceleration) and automatically locks the current video file to prevent it from being overwritten.
- **Motion Detection:** When enabled, the dash cam will start recording automatically if motion is detected in front of the vehicle while parked. This feature requires continuous power.
- **Wide Dynamic Range (WDR):** Improves video quality in varying light conditions, ensuring clearer footage in both bright and dark areas.
- **Night Vision:** Enhanced LED light provides improved visibility for recordings in low-light conditions.

6.3. Menu Navigation

Use the buttons on the dash cam to navigate through the menu options. Common settings include:

- **Resolution:** Select video resolution (e.g., 1080P FHD, 720P).
- **Loop Recording Duration:** Set the length of each video segment (e.g., 1, 3, 5 minutes).
- **G-Sensor Sensitivity:** Adjust the sensitivity of the G-Sensor.
- **Motion Detection:** Enable or disable motion detection.
- **Date/Time Stamp:** Enable or disable the date and time display on recordings.
- **Format SD Card:** Format the Micro SD card to ensure proper function and clear old data.

7. MAINTENANCE

- **Clean the Lens:** Regularly clean the camera lens with a soft, lint-free cloth to ensure clear video quality.
- **Format SD Card:** It is recommended to format the Micro SD card periodically (e.g., once a month) to prevent data corruption and maintain optimal recording performance.
- **Firmware Updates:** Check the manufacturer's website for any available firmware updates to improve performance and add new features.
- **Storage:** When not in use for extended periods, store the dash cam in a cool, dry place away from direct sunlight.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Dash cam does not power on.	No power supply; faulty car charger; vehicle's 12V outlet issue.	Ensure car charger is properly connected and vehicle's power outlet is functional. Try a different power outlet or charger if available.
Recording stops or freezes.	SD card error; incompatible SD card; full SD card.	Format the Micro SD card. Ensure you are using a Class 10 Micro SD card (up to 32GB). Replace the SD card if the issue persists.
Video quality is poor.	Dirty lens; incorrect resolution settings; low light conditions.	Clean the lens. Check video resolution settings in the menu. Ensure WDR and Night Vision features are enabled if needed.
Date/Time resets.	Power interruption before settings are saved.	Ensure the dash cam remains powered for a few seconds after setting the date/time to allow the capacitor to save the settings. This model requires continuous power to maintain settings.
Suction mount does not stick.	Dirty windshield; cold temperature.	Clean the windshield thoroughly. Warm the suction cup slightly if in cold conditions.

9. SPECIFICATIONS

- **Model Name:** Black Box G1W-C
- **Chipset:** Novatek NT96650
- **Optical Sensor:** Aptina AR0330

- **Video Capture Resolution:** 1080p (Full HD) at 30 FPS, 720p at 60 FPS
- **Screen Size:** 2.7 Inches LCD
- **Field Of View:** 140 Degrees Wide Angle
- **Special Features:** Capacitor Based (No Internal Battery), WDR, Motion Detection, G-Sensor, LED Night Vision, Auto Start/Off
- **Connectivity Technology:** HDMI
- **Storage:** MicroSD (up to 32GB supported)
- **Mounting Type:** Suction Mount
- **Color:** Black
- **Item Weight:** 4 Ounces
- **Manufacturer:** BLACKBOX NETWORK SERVICE

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official Black Box website. Keep your purchase receipt as proof of purchase for warranty claims. If you encounter any issues not covered in this manual, please contact Black Box customer service for assistance.