

COMTEC DC-DR510

COMTEC DC-DR510 i-safe GEORGE SIMPLE2 GPS Dash Cam User Manual

1. INTRODUCTION

Thank you for purchasing the COMTEC DC-DR510 i-safe GEORGE SIMPLE2 GPS Dash Cam. This manual provides essential information for the proper installation, operation, and maintenance of your device. Please read this manual thoroughly before use to ensure safe and optimal performance.

The DC-DR510 is a high-quality drive recorder featuring 2-megapixel recording, HDR functionality for clear night vision, and a parking surveillance mode to enhance vehicle security.

2. SAFETY PRECAUTIONS

To prevent injury, damage to the device, or damage to your vehicle, please observe the following safety precautions:

- Do not install the device in a location that obstructs the driver's view or interferes with airbag deployment.
- Ensure the device is securely mounted to prevent it from falling during driving.
- Do not operate the device or adjust settings while driving. Always pull over to a safe location before making any adjustments.
- Keep the device away from water, moisture, and extreme temperatures.
- Use only the provided power cord and accessories. Using unauthorized accessories may cause malfunction or damage.
- Regularly check the recording status to ensure proper operation.

3. PACKAGE CONTENTS

Verify that all the following items are included in your package:

- COMTEC DC-DR510 Dash Cam Unit
- Power Cord (5m)
- Electro-tap
- Double-sided Tape for Stay Fixing
- Hex Wrench for Stay Angle Adjustment
- Degreasing Cleaner

- Cord Clamp
- microSDHC Card (8GB) with SD Card Conversion Adapter

4. PRODUCT OVERVIEW

The COMTEC DC-DR510 is a compact and feature-rich dash cam designed for reliable recording of your driving. It features a 2.5-inch LCD screen for live view and playback, and an integrated GPS module for recording location and speed data.



Figure 4.1: Front view of the COMTEC DC-DR510 Dash Cam. This image shows the compact design of the dash cam, including the lens and mounting bracket.



Figure 4.2: COMTEC DC-DR510 Dash Cam displaying live road footage. The screen shows the date and time, along with indicators for Full HD, HDR, and recording status.

5. SETUP AND INSTALLATION

Follow these steps to properly install your DC-DR510 Dash Cam:

1. **Choose a Mounting Location:** Select a location on your windshield that does not obstruct your view of the road or interfere with the operation of your vehicle's safety features (e.g., airbags). The area behind the rearview mirror is often ideal.
2. **Clean the Windshield:** Use the provided degreasing cleaner to thoroughly clean the chosen area on the windshield. Allow it to dry completely.
3. **Attach the Mounting Stay:** Apply the double-sided tape to the mounting stay and firmly press it onto the cleaned windshield area. Hold it in place for at least 30 seconds to ensure a strong bond.
4. **Mount the Dash Cam:** Slide the DC-DR510 unit onto the mounting stay until it clicks into place.
5. **Adjust the Lens Angle:** Power on the device (see step 6) and adjust the lens angle using the hex wrench to ensure the camera captures the road ahead clearly, with approximately 60% road and 40% sky visible on the screen.
6. **Connect Power:** Connect the power cord to the dash cam and route it along the edge of the windshield and dashboard to the vehicle's power outlet (e.g., cigarette lighter socket or fuse box using the electro-tap). Use the cord clamps to secure the cable neatly.
7. **Insert microSDHC Card:** Insert the provided 8GB microSDHC card into the designated slot on the side of the dash cam. Ensure it is inserted correctly until it clicks.

6. OPERATING INSTRUCTIONS

The DC-DR510 is designed for straightforward operation. Once installed and powered, it will typically begin recording automatically.

6.1 Automatic Recording

When the vehicle's ignition is turned on, the dash cam will power on and automatically begin continuous loop recording. Older files will be overwritten by new recordings once the microSD card is full, except for event-triggered recordings.

6.2 Parking Surveillance Mode

The parking surveillance mode activates when the vehicle's ignition is turned off. In this mode, the dash cam monitors for impacts or motion and records short video clips to capture incidents while parked. Refer to the on-screen menu for specific settings and sensitivity adjustments.

6.3 HDR Function

The High Dynamic Range (HDR) function automatically adjusts exposure to provide clearer video quality in challenging lighting conditions, such as strong backlight or low-light night scenes. This ensures details are visible even in areas of high contrast.

6.4 GPS Functionality

The built-in GPS module records your vehicle's location, speed, and time data, which can be viewed during video playback using compatible PC viewer software. Ensure the dash cam has a clear view of the sky for optimal GPS signal reception.

6.5 Playback and Settings

Use the buttons on the device to navigate the menu, play back recorded videos, and adjust settings such as recording resolution, G-sensor sensitivity, and parking mode options. Consult the on-screen menu for detailed instructions on each setting.

7. MAINTENANCE

Proper maintenance ensures the longevity and reliable performance of your dash cam.

- **MicroSD Card Management:** It is recommended to format the microSD card regularly (e.g., once a month) to maintain optimal recording performance and prevent data corruption. Back up any important recordings before formatting.
- **Cleaning the Lens and Screen:** Gently wipe the camera lens and LCD screen with a soft, dry, lint-free cloth. Do not use abrasive cleaners or solvents.
- **Firmware Updates:** Periodically check the COMTEC website for any available firmware updates for your DC-DR510 model. Firmware updates can improve performance and add new features.

8. TROUBLESHOOTING

If you encounter issues with your DC-DR510, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
Device does not power on.	Check power cord connection. Ensure vehicle's power outlet is functioning.
No recording.	Ensure microSD card is inserted correctly and has sufficient free space. Format the microSD card if necessary.
Poor video quality.	Clean the camera lens. Ensure the windshield area in front of the camera is clean. Check recording resolution settings.
GPS not acquiring signal.	Ensure the dash cam has a clear view of the sky. Move the vehicle to an open area away from tall buildings or tunnels.
Parking surveillance not working.	Check parking mode settings and sensitivity. Ensure continuous power supply if required for extended parking surveillance.

If the problem persists after trying these solutions, please contact COMTEC customer support.

9. SPECIFICATIONS

Feature	Specification
Brand	COMTEC
Model Name	DC-DR510
Display Type	LCD
Screen Size	2.5 inches
Special Features	Built-in GPS, HDR Function, Parking Surveillance Mode
Image Quality	2 Million Pixels (Full HD)
Weight	130 grams
Included Components	Power Cord (5m), Electro-tap, Double-sided Tape, Hex Wrench, Degreasing Cleaner, Cord Clamp, 8GB microSDHC Card with Adapter

Feature	Specification
Compatible Vehicle Type	Passenger Cars
Battery Included	No

10. WARRANTY AND SUPPORT

The COMTEC DC-DR510 Dash Cam comes with a **1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For technical support, warranty claims, or service inquiries, please contact COMTEC customer service through their official website or authorized distributors. Please have your product model number (DC-DR510) and proof of purchase ready when contacting support.

COMTEC Official Website: <https://www.comtec.co.jp/>

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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

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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