COMTEC DC-DR403

COMTEC i-safe simple Plus2 DC-DR403 Dashcam User Manual

Model: DC-DR403

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your COMTEC i-safe simple Plus2 DC-DR403 dashcam. This device is designed to record high-quality video while driving and during parking, offering enhanced security for your vehicle. Please read this manual thoroughly before use to ensure proper functionality and safety.

2. PRODUCT OVERVIEW

The COMTEC i-safe simple Plus2 DC-DR403 is a high-performance dashcam featuring Full HD video recording and a wide-angle lens. It includes a parking monitoring function as a standard feature, HDR/WDR technology for clear night vision, and is compatible with LED traffic signals nationwide. The compact design ensures minimal obstruction to your view.

Image: Front and screen view of the COMTEC i-safe simple Plus2 DC-DR403 dashcam, highlighting its compact design and display.

Key Features:

- **Full HD High Image Quality:** Records clear and detailed video.
- **HDR/WDR Technology:** Ensures optimal video clarity in varying light conditions, including night driving.
- **Parking Monitoring Function:** Automatically records events when the vehicle is parked.
- **Wide-Angle Lens:** Captures a broad field of view.
- **LED Signal Compatibility:** Designed to record LED traffic signals without flickering.
- **Noise Countermeasures:** Minimizes interference with other electronic devices.
- **Compact Design:** Discreet and easy to install.
- **2 Million Pixels:** High-resolution image sensor.
- **12/24V Vehicle Compatibility:** Suitable for a wide range of vehicles.
- **32GB microSD Card Included:** Provides ample storage for recordings.

3. SETUP

3.1 Package Contents

Before installation, ensure all components are present:

- COMTEC i-safe simple Plus2 DC-DR403 Main Unit
- Mounting Bracket (Adhesive type)
- Vehicle Power Cable (12V/24V compatible)
- 32GB microSD Card

- Instruction Manual (this document)
- Warranty Card

3.2 Installation Steps

1. **Select Mounting Location:** Choose a location on your windshield that does not obstruct your view or interfere with airbags. The area behind the rearview mirror is often ideal. Ensure the lens has a clear view of the road ahead.

2. **Clean Windshield:** Thoroughly clean the selected area on the windshield with an alcohol wipe and let it dry completely.

3. **Attach Mounting Bracket:** Peel off the protective film from the adhesive pad on the mounting bracket. Firmly press the bracket onto the cleaned windshield for at least 30 seconds. Allow the adhesive to cure for several hours (preferably 24 hours) before attaching the dashcam.

4. **Insert microSD Card:** With the dashcam powered off, gently insert the provided 32GB microSD card into the designated slot until it clicks into place.

5. **Attach Dashcam to Bracket:** Slide the dashcam onto the mounting bracket until it securely locks.

6. **Connect Power Cable:** Connect the vehicle power cable to the dashcam's power input port. Route the cable neatly along the windshield and dashboard edges to your vehicle's cigarette lighter socket or a dedicated power source. Ensure the cable does not interfere with driving controls.

7. **Adjust Lens Angle:** Power on your vehicle. The dashcam should power on automatically. Adjust the lens angle to capture the desired view of the road. Ensure the horizon is level and the hood of your car is visible at the bottom of the frame.

8. **Initial Setup (Date/Time):** Upon first use or after a power reset, you may need to set the date and time. Refer to the on-screen menu for navigation. This model does not feature GPS for automatic time synchronization, so manual adjustment is required periodically.

4. OPERATING

4.1 Automatic Recording

Once connected to your vehicle's power supply, the DC-DR403 will automatically power on and begin recording when your vehicle's ignition is turned on. Recording will stop and the device will power off when the ignition is turned off.

4.2 Loop Recording

The dashcam records video in short segments (e.g., 1, 3, or 5 minutes). When the microSD card is full, the oldest unprotected files will be overwritten by new recordings. This ensures continuous recording without manual intervention.

4.3 Event Recording (G-Sensor)

The built-in G-sensor detects sudden impacts or rapid acceleration/deceleration. When an event is detected, the current recording segment is automatically locked and saved to a protected folder on the microSD card, preventing it from being overwritten by loop recording.

4.4 Parking Monitoring Function

The parking monitoring function activates when your vehicle's ignition is turned off. It uses the G-sensor to detect impacts or motion, automatically recording video evidence while your vehicle is parked. Ensure the

dashcam is connected to a constant power supply (if available and supported by your vehicle) for continuous parking monitoring, or it will operate based on its internal battery for a limited duration.

4.5 HDR/WDR for Night Vision

The High Dynamic Range (HDR) and Wide Dynamic Range (WDR) technologies enhance video quality in challenging lighting conditions, such as tunnels, bright sunlight, or low-light night environments. This ensures clear and balanced recordings, capturing details that might otherwise be lost.

4.6 LED Signal Compatibility

The DC-DR403 is designed to record LED traffic signals accurately, preventing the flickering effect often seen with dashcams that are not optimized for different AC frequencies.

5. MAINTENANCE

5.1 microSD Card Management

The included 32GB microSD card is designed for durability. However, regular maintenance is crucial for optimal performance:

- **Formatting:** It is recommended to format the microSD card monthly to prevent data corruption and ensure smooth recording. This can typically be done through the dashcam's menu settings. Formatting will erase all data on the card, so back up any important files first.
- **Replacement:** microSD cards have a limited lifespan. If you experience frequent recording errors or corrupted files, consider replacing the card with a new, high-quality dashcam-specific microSD card.
- **Maintenance-Free Feature:** While the card is designed for longevity, periodic checks are still advised. The term "maintenance-free" refers to the card's robust design reducing the frequency of issues, not eliminating the need for occasional formatting or replacement over its lifespan.

5.2 Cleaning the Device

- **Lens:** Gently wipe the lens with a soft, lint-free cloth. Do not use abrasive cleaners or solvents, as they can damage the lens coating.
- **Body:** Wipe the dashcam body with a slightly damp cloth. Avoid getting moisture into ports or openings.

6. TROUBLESHOOTING

If you encounter issues with your DC-DR403 dashcam, refer to the following common problems and solutions:

- **Dashcam does not power on:**
  - Check if the power cable is securely connected to both the dashcam and the vehicle's power outlet.
  - Ensure the vehicle's ignition is on (if connected to an ignition-switched power source).
  - Verify the vehicle's power outlet is functioning correctly.

- **Recording stops or files are corrupted:**
  - Format the microSD card through the dashcam's menu.
  - Ensure you are using a high-quality microSD card suitable for dashcam use.
  - The microSD card may be nearing the end of its lifespan; consider replacing it.

- **"Set Time" or similar alert sounds periodically:**

- This model does not have GPS for automatic time synchronization. The device requires manual time setting. If the internal clock drifts significantly, an alert may sound. Access the menu to reset the date and time. It is recommended to check and adjust the time every few months to prevent this alert.

- **Video quality is poor or blurry:**
  - Clean the dashcam lens.
  - Ensure the protective film has been removed from the lens.
  - Check if the windshield area in front of the lens is clean.
  - Verify that the dashcam is securely mounted and not vibrating.

- **Parking monitoring is not working:**
  - Ensure the dashcam is receiving continuous power after the ignition is off (if applicable for your installation).
  - Check the parking monitoring settings in the dashcam menu to ensure it is enabled and configured correctly.

If the problem persists after attempting these solutions, please contact COMTEC customer support or visit their official website for further assistance.

7. SPECIFICATIONS

Feature	Specification
Brand	COMTEC
Model Name	i-safe simple Plus2
Product Model Number	DC-DR403
Video Capture Resolution	1080p (Full HD)
Screen Size	2.7 inches
Image Sensor Pixels	2 million pixels
Mounting Type	Adhesive type
Compatible Vehicle Type	Car (12V/24V compatible)
Special Features	LED signal compatible, Parking monitoring, HDR/WDR
Product Dimensions (Depth x Width x Height)	30 x 80 x 50 mm
Item Weight	360 g
Included Components	Warranty card

8. WARRANTY

The COMTEC i-safe simple Plus2 DC-DR403 dashcam comes with a **3-year warranty**. Please retain your purchase receipt and the warranty card for any warranty claims. The warranty covers manufacturing defects under normal use. For specific terms and conditions, refer to the warranty card included with your product.

9. Support

For further assistance, detailed FAQs, or to download the latest firmware updates, please visit the official COMTEC website. You can also contact COMTEC customer service directly for technical support or service inquiries.

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