GoPro CHDSS-101

GoPro HERO4 Session User Manual

Model: CHDSS-101

1. Introduction

Welcome to the user manual for your GoPro HERO4 Session camera. This guide provides essential information on setting up, operating, maintaining, and troubleshooting your device. The HERO4 Session is designed to be a compact, durable, and waterproof action camera, perfect for capturing high-quality video and photos in various environments.

Its unique one-button control simplifies operation, allowing you to power on and start recording with a single press. This camera delivers professional-grade image quality, making it an ideal companion for your adventures.



Figure 1.1: The GoPro HERO4 Session camera, showcasing its compact and cube-like design.

2. Setup

Before using your GoPro HERO4 Session, follow these steps to ensure it is ready for action.

2.1. Charging the Battery

The camera comes with a built-in rechargeable Lithium-Ion battery. For optimal performance, fully charge the battery before first use.

1. Locate the USB port cover on the side of the camera.
2. Open the cover gently.
3. Connect the included USB cable to the camera's USB port.
4. Connect the other end of the USB cable to a USB wall charger (5V, 1A recommended) or a computer's USB port.
5. The camera's status light will indicate charging status. It will turn off when fully charged.



Figure 2.1: Side view of the GoPro HERO4 Session with the protective door open, revealing the USB charging port and microSD card slot.

2.2. Inserting a MicroSD Card

A microSD card (sold separately) is required to store your photos and videos. Use a Class 10 or UHS-I rated card for best results.

1. Ensure the camera is powered off.
2. Open the USB port cover as described in Section 2.1.
3. Locate the microSD card slot next to the USB port.
4. Insert the microSD card with the label facing the front of the camera until it clicks into place.
5. Close the USB port cover securely to maintain waterproofing.

2.3. Mounting the Camera

The HERO4 Session comes with various mounting accessories to attach it to helmets, surfboards, vehicles, and more.



Figure 2.2: The GoPro HERO4 Session camera displayed alongside its standard frame and various mounting buckles, illustrating its versatility.

1. Attach the camera to the included Standard Frame or Low-Profile Frame.
2. Secure the frame to a compatible GoPro mount using the provided thumbscrew.
3. Ensure all connections are tight and secure before use, especially in high-impact activities.

3. Operating the Camera

The HERO4 Session features a simple one-button control for quick capture.

3.1. Powering On and Recording

- **To Power On and Start Recording:** Press the Shutter/Select button (the large button on top). The camera will power on and immediately begin recording video or capturing time lapse photos, depending on the last mode used.
- **To Stop Recording and Power Off:** Press the Shutter/Select button again. The camera will stop recording and power off automatically after a few seconds.

3.2. Changing Modes and Settings

The HERO4 Session can be controlled and its settings adjusted using the GoPro App on your smartphone or the Smart Remote (sold separately).

- **GoPro App:** Download the GoPro App from your device's app store. Connect your camera to the app via Wi-Fi to access full camera controls, live preview, and content playback.

- **Smart Remote:** Pair the Smart Remote with your camera for remote control of all functions and settings.

Basic mode switching can also be done directly on the camera:

- **To Cycle Modes:** With the camera powered off, press the Info/Wireless button (small button on the back) to cycle through video, photo, and multi-shot modes. The camera's small display will show the current mode icon.
- **To Select Mode:** Once the desired mode is displayed, press the Shutter/Select button to power on and begin capture in that mode.



Figure 3.1: Front view of the GoPro HERO4 Session, highlighting the lens and status lights.



Figure 3.2: Back view of the GoPro HERO4 Session, showing the small information screen and the Info/Wireless button.

4. Maintenance

Proper care and maintenance will extend the life of your GoPro HERO4 Session.

4.1. Cleaning the Camera

- **Lens:** Use a soft, lint-free cloth specifically designed for optics. If necessary, dampen the cloth slightly with water. Avoid harsh chemicals.
- **Camera Body:** Wipe with a soft, damp cloth. For stubborn dirt, use mild soap and water, then rinse thoroughly.
- **Ports:** Ensure the USB port and microSD card slot are free of debris. Use compressed air if needed, but avoid inserting objects.

4.2. Waterproofing

The HERO4 Session is waterproof to 33 feet (10 meters) without a separate housing. To maintain its waterproof integrity:

- Always ensure the USB port cover is securely closed before exposing the camera to water.
- Inspect the rubber seal around the port cover regularly for any signs of damage or debris.
- After use in saltwater, rinse the camera thoroughly with fresh water and allow it to air dry.

4.3. Storage

- Store the camera in a cool, dry place away from direct sunlight and extreme temperatures.

- If storing for extended periods, ensure the battery is partially charged (around 50%) to preserve battery health.

5. Troubleshooting

Here are solutions to common issues you might encounter with your HERO4 Session.

5.1. Camera Not Powering On

- **Battery Low:** Connect the camera to a power source using the USB cable and allow it to charge for at least 30 minutes.
- **Frozen Camera:** If the camera is unresponsive, press and hold the Info/Wireless button for 8-10 seconds to perform a hard reset.

5.2. Recording Issues

- **"SD ERR" or "SD FULL":** Format the microSD card (this will erase all data) or replace it with a new, compatible card. Ensure the card is Class 10 or UHS-I.
- **Camera Stops Recording Unexpectedly:** This can be due to a slow microSD card, low battery, or overheating. Ensure your card meets specifications, charge the battery, and allow the camera to cool if it feels hot.

5.3. Connectivity Problems (Wi-Fi/Bluetooth)

- **Cannot Connect to GoPro App:** Ensure Wi-Fi is enabled on the camera (press Info/Wireless button until Wi-Fi icon appears). Restart both the camera and your smartphone. Forget the camera's Wi-Fi network on your phone and try reconnecting.
- **Smart Remote Not Pairing:** Ensure both devices are in pairing mode. Refer to the Smart Remote's manual for specific pairing instructions.

6. Specifications

Key technical specifications for the GoPro HERO4 Session (Model: CHDSS-101).

Feature	Specification
Brand	GoPro
Model Number	CHDSS-101
Item Weight	2.61 ounces
Product Dimensions	1.5 x 1.43 x 1.5 inches
Color	Black
Waterproof Depth	Up to 33 feet (10 meters) without housing
Video Capture Resolution	1080p60, 1440p30, 720p100
Photo Resolution	8MP (with 10 fps Burst)
Battery Type	Lithium Ion (included)
Flash Memory Type	Micro SD (Class 10 or UHS-I recommended)

Feature	Specification
Connectivity Technology	USB, Wi-Fi, Bluetooth

7. Warranty and Support

GoPro products are designed for durability and performance. For detailed warranty information and customer support, please refer to the official GoPro website or contact their customer service.

- **Online Support:** Visit GoPro Support for FAQs, troubleshooting guides, and software updates.
- **Warranty Information:** Specific warranty terms and conditions are available on the official GoPro website. Please retain your proof of purchase for warranty claims.

For any issues not covered in this manual, or for advanced technical assistance, contacting GoPro customer support directly is recommended.

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