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› GoPro HERO10 Black User Manual

GoPro CHDSB-102

GoPro HERO10 Black User Manual

Model: CHDSB-102

INTRODUCTION

This manual provides comprehensive instructions for the operation, maintenance, and troubleshooting of your GoPro HERO10 Black action camera. The HERO10 Black features a powerful GP2 chip, enabling 5.3K video recording and 23MP photos. It includes a front LCD for live preview and a large rear touchscreen for intuitive control. Designed to be tough and waterproof, it incorporates advanced features like HyperSmooth 4.0 stabilization, HindSight, live streaming, and Webcam mode.



Image: Front view of the GoPro HERO10 Black camera, showcasing its main lens and front LCD screen.

PACKAGE CONTENTS

Upon unboxing, verify that all the following items are included in your package:

- GoPro HERO10 Black Camera
- GoPro Rechargeable Li-Ion Battery (1 included, additional compatible batteries may be part of a bundle)
- Curved Adhesive Mount
- Mounting Buckle + Thumbscrew
- USB Type-C Cable
- Carry Case
- SanDisk Extreme Pro 64GB microSDXC Card (if part of bundle)
- 6AVE Electronics Microfiber Cloth (if part of bundle)



Image: A comprehensive view of the GoPro HERO10 Black camera and its included accessories, such as the carry case, batteries, mounting hardware, USB-C cable, and microSD card.

SETUP

1. Battery Installation and Charging

1. Locate the battery door on the side of the camera.
2. Open the battery door.
3. Insert the GoPro Rechargeable Li-Ion Battery with the correct orientation.
4. Close the battery door securely.
5. Connect the camera to a power source using the provided USB Type-C cable for initial charging. The camera's status lights will indicate charging progress.

2. microSD Card Insertion

1. With the battery door open, locate the microSD card slot.
2. Insert the SanDisk Extreme Pro 64GB microSDXC Card (or other compatible microSD, microSDHC card) into the slot until it clicks into place. Ensure the card's contacts face the correct direction.
3. Close the battery door.

3. Mounting the Camera

The GoPro HERO10 Black features built-in mounting fingers. Use the provided Mounting Buckle and Thumbscrew with the Curved Adhesive Mount or other compatible GoPro mounts to secure your camera.

- Attach the mounting buckle to the camera's folding fingers.
- Secure the buckle with the thumbscrew.
- Attach the assembly to your desired mount.



Image: Side view of the GoPro HERO10 Black, highlighting the power/mode button and the side door for battery and SD card access.

OPERATING INSTRUCTIONS

Power On/Off and Mode Selection

- To power on, press the **Mode** button (side button).
- To power off, press and hold the **Mode** button for 3 seconds.
- Press the **Mode** button repeatedly to cycle through video, photo, and time-lapse modes.

Recording Video

The HERO10 Black supports various video resolutions and frame rates:

- **5.3K Video:** Up to 60 frames per second (fps) for high detail.
- **4K Video:** Up to 120 fps for smooth action.
- **2.7K Video:** Up to 240 fps for super slow-motion.
- **1080p Video:** Up to 240 fps for standard slow-motion.

Press the **Shutter** button (top button) to start and stop recording.



Image: The GoPro HERO10 Black camera, showcasing its front LCD screen actively displaying a live preview of a scene.

Capturing Photos

The camera captures 23MP photos. In Photo mode, press the **Shutter** button to take a picture. RAW Photo Mode is available for advanced editing.

Advanced Features

- **HyperSmooth 4.0:** Advanced in-camera video stabilization.
- **HindSight:** Captures video 1.5 seconds before and after you press the shutter.
- **Live Streaming:** Stream in 1080p HD.
- **Webcam Mode:** Use your GoPro as a high-quality webcam.
- **8x Slo-Mo:** Achieved with 240 fps recording.
- **Live Burst:** Records 1.5 seconds before and after your shot, allowing you to select the best frame.
- **Time Lapse & Night-Lapse Video:** Create dynamic time-lapse sequences.
- **In-Camera Horizon Leveling:** Ensures your footage remains level.
- **Voice Control:** Operate the camera using voice commands.



Image: The GoPro HERO10 Black camera, showing its large rear touchscreen displaying a live preview, indicating its intuitive control interface.

MAINTENANCE

Cleaning Your Camera

- After use, especially in saltwater, rinse the camera with fresh water and dry thoroughly with a soft, lint-free cloth.
- Use the provided microfiber cloth to gently clean the lenses and screens. Avoid abrasive materials.
- Ensure the USB-C port and battery compartment are free of debris before closing.

Battery Care

- Store batteries in a cool, dry place when not in use.
- Avoid fully discharging batteries before recharging to prolong their lifespan.
- If the camera feels warm during extended use, especially during high-resolution recording, ensure it has adequate airflow. Consider using a tripod or mount that allows for heat dissipation.

Waterproof Integrity

The HERO10 Black is waterproof up to 33ft (10m) without additional housing. Always ensure all doors (battery/USB-C) are completely closed and latched before exposing the camera to water.

TROUBLESHOOTING

Common Issues and Solutions

- Camera Overheating:**

The camera may become warm during intensive use (e.g., 5.3K recording, live streaming). If the camera shuts down due to overheating, allow it to cool down. To mitigate, ensure good airflow around the camera, avoid direct sunlight, and consider reducing video resolution or frame rate for extended recording sessions.
- Short Battery Life:**

Battery life varies with usage. High-resolution video, Wi-Fi, GPS, and continuous screen use consume more power. To extend battery life, consider:

 - Turning off the front display when not needed.
 - Using lower recording formats when high resolution is not critical.
 - Disabling Wi-Fi and GPS when not in use.
 - Reducing screen brightness.
- Camera Not Responding:**

If the camera freezes, press and hold the Mode button for 10 seconds to force a shutdown. Then, power it on again.
- MicroSD Card Errors:**

Ensure you are using a recommended, high-speed microSD card. Format the card regularly within the camera's settings to maintain optimal performance.

SPECIFICATIONS

Feature	Detail
Brand	GoPro
Model Number	CHDSB-102
Item Weight	1.28 pounds
Product Dimensions	1.3 x 2.8 x 2.2 inches
Photo Sensor Technology	CMOS
Effective Photo Resolution	23MP
Video Capture Resolution	5.3K
Video Capture Format	MP4
Flash Memory Type	Micro SD, MicroSDHC
Screen Size	2.27-inch LCD touch (front and rear)
Processor	GP2
Connectivity Technology	USB Type C, WLAN, Bluetooth, GPS
Waterproof Depth	33ft (10m)

WARRANTY INFORMATION

Specific warranty details for the GoPro HERO10 Black are typically provided with your purchase documentation or can be found on the official GoPro website. Please refer to these resources for comprehensive information regarding warranty coverage, terms, and conditions.

CUSTOMER SUPPORT

For further assistance, technical support, or to access additional resources, please visit the official GoPro support website. You can find more information and contact options at the [GoPro Store on Amazon](#) or directly on the GoPro official website.

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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