## Gopro CHDHX-901-XX

# GoPro HERO9 Black Action Camera Instruction Manual

Model: CHDHX-901-XX

Setup | Operating | Maintenance | Troubleshooting | Specifications | Support

## Product Overview

The GoPro HERO9 Black is a versatile action camera designed for capturing high-quality video and photos in various environments. It features advanced stabilization, high-resolution recording capabilities, and a durable, waterproof design.




Figure 1: Front view of the GoPro HERO9 Black camera, showcasing its front LCD and main lens.

## Setup

## What's in the Box

- HERO9 Black Camera
- Rechargeable Battery
- Curved Adhesive Mount
- Mounting Buckle
- USB-C Cable
- Thumb Screw
- Camera Case




Figure 2: The GoPro HERO9 Black packaging, illustrating the camera and its standard accessories.

## Initial Charging

Before first use, fully charge the HERO9 Black battery using the provided USB-C cable. Connect the cable to the camera's USB-C port and a USB power source (e.g., wall charger, computer USB port). The front status light will indicate charging status.

## Inserting Battery and microSD Card

1. Open the side door of the camera.
2. Insert the rechargeable battery into the battery compartment, ensuring correct orientation.

3. Insert a compatible microSD card (not included) into the microSD card slot. Ensure the card is properly seated.
4. Close the side door securely to maintain the camera's waterproof seal.

### Powering On/Off

- **To Power On:** Press the Mode button (side button).
- **To Power Off:** Press and hold the Mode button for 3 seconds.




Figure 3: Angled view of the GoPro HERO9 Black, highlighting the Mode button and side door.

## Operating the Camera

### Video Recording

The HERO9 Black supports video recording up to 5K resolution, allowing for exceptional detail and clarity, even when zooming in on footage. This high resolution is ideal for professional-grade content and offers flexibility in post-production.

### Photo Capture

Capture crisp, professional-quality photos with 20MP clarity. The SuperPhoto feature intelligently analyzes your scene

and automatically applies the best image processing, ensuring optimal results without manual adjustments.

### Stabilization (HyperSmooth 3.0)

Experience industry-leading video stabilization with HyperSmooth 3.0. This advanced technology ensures incredibly smooth footage, even during intense action or shaky movements, eliminating the need for additional gimbals in many scenarios.

### Time-Lapse (TimeWarp 3.0)

Record mesmerizing time-lapse sequences with TimeWarp 3.0. This feature allows you to capture stabilized time-lapse videos as you move, perfect for showcasing journeys, scenic routes, or dynamic events.

### Live Streaming and Webcam Functionality

The HERO9 Black supports live streaming in 1080p directly to social media platforms, complete with HyperSmooth stabilization for a professional broadcast. Additionally, it can function as a high-definition webcam, offering versatility for virtual meetings or content creation.

### Front Display and Rear Touch Screen

The camera features a new, larger rear touch screen with touch zoom for intuitive control and easy framing. A dazzling new front display allows for convenient selfie framing and quick status checks, enhancing the user experience for vlogging and self-capture.

## Maintenance

### Cleaning the Camera

After use, especially in saltwater or dusty environments, rinse the camera with fresh water and dry it thoroughly with a soft, lint-free cloth. Ensure all ports and the side door are closed before rinsing. Avoid using harsh chemicals or abrasive materials.

### Battery Care

To maximize battery life, avoid exposing the camera to extreme temperatures. While the battery is designed for extended use, continuous high-resolution recording can lead to faster drainage. Consider carrying spare batteries for prolonged filming sessions.

### Storage

When not in use, store the camera in its included camera case or a similar protective enclosure to prevent scratches and damage. Ensure the camera is dry before storing.

## Troubleshooting

### Overheating

The HERO9 Black is an action camera designed for dynamic use. Overheating can occur during prolonged recording, especially in hot environments or when the camera is stationary, as it relies on airflow for cooling. If the camera becomes excessively hot, it may shut down automatically to prevent damage. Allow the camera to cool down before resuming use. Using an external power source can also increase the likelihood of overheating.

### Battery Drains Quickly

High-resolution video modes (e.g., 5K) and continuous recording can significantly reduce battery life. Ensure you are using fully charged batteries. For extended recording, consider using an external power bank or carrying multiple spare

batteries.

### Firmware Updates

Ensure your camera's firmware is up to date. Firmware updates often include performance improvements, bug fixes, and new features. Refer to the official GoPro support website for instructions on how to check and update your camera's firmware.

## Specifications

| Feature | Detail |
|---|---|
| Product Dimensions | 3.25 x 9.08 x 5.42 inches |
| Item Weight | 11.2 ounces |
| Item Model Number | CHDHX-901-XX |
| Batteries | 1 Lithium Ion batteries required (included) |
| Photo Sensor Technology | CMOS |
| Video Capture Resolution | 5K UHD 2880p |
| Maximum Focal Length | 1 Millimeters |
| Maximum Aperture | 2 f |
| Flash Memory Type | Micro SD |
| Video Capture Format | MP4 |
| Supported Audio Format | MP3, AAC, WAV |
| Screen Size | 2.27 Inches |
| Connectivity Technology | Bluetooth |

## Support and Warranty

### Official User Manual

For detailed information and advanced settings, please refer to the official user manual available as a PDF. GoPro HERO9 Black User Manual (PDF).

### Product Support

For further assistance, warranty information, or to explore additional products and accessories, visit the official GoPro Store: GoPro Store on Amazon.

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