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> Logitech G502 Hero High Performance Wired Gaming Mouse Instruction Manual

Logitech G G502 Hero

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Model: G502 Hero

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your Logitech G502 Hero High Performance Wired Gaming Mouse. Designed for precision and customization, the G502 Hero features the HERO 25K optical sensor, 11 programmable buttons, adjustable weights, and LIGHTSYNC RGB lighting.



Image 1.1: Angled view of the Logitech G502 Hero Gaming Mouse, showcasing its ergonomic design and illuminated G logo.

2. PACKAGE CONTENTS

Verify that all items are present in your product packaging:

- Logitech G502 Hero Wired Gaming Mouse
- Adjustment weight with case (five 3.6g weights)
- User documentation

3. SETUP

3.1 Connecting the Mouse

1. Unpack the Logitech G502 Hero Gaming Mouse.
2. Plug the USB connector of the mouse cable into an available USB port on your computer (PC or Mac).
3. The mouse will be automatically detected by your operating system. Basic functionality will be available immediately.

3.2 Software Installation (Logitech G HUB)

To unlock the full customization potential of your G502 Hero, including programmable buttons, DPI settings, and LIGHTSYNC RGB, install the Logitech G HUB software.

1. Visit the official Logitech G website: www.logitechg.com/ghub
2. Download the G HUB software compatible with your operating system (Windows or macOS).
3. Follow the on-screen instructions to complete the installation.
4. Once installed, launch Logitech G HUB to configure your mouse.



Image 3.1: The Logitech G502 Hero Gaming Mouse connected and ready for use on a desktop setup.

4. FEATURES OVERVIEW

4.1 Button Layout and Functions

The G502 Hero features 11 programmable buttons. Refer to the image below for button identification.





Image 4.1: Top view of the G502 Hero, highlighting the main left/right click buttons, scroll wheel, DPI shift buttons (G7, G8), profile cycle button (G9), and additional thumb buttons (G4, G5, G6).

- **Left/Right Click Buttons:** Standard mouse buttons.
- **Scroll Wheel:** Features dual-mode functionality (hyper-fast and click-to-click).
- **DPI Shift Buttons (G7, G8):** Default for adjusting sensitivity on-the-fly.
- **Profile Cycle Button (G9):** Default for cycling through onboard profiles.
- **Thumb Buttons (G4, G5, G6):** Customizable for various commands.
- **G-Shift Button:** Located on the left side, allows for a secondary set of commands for all buttons when held.

4.2 HERO 25K Optical Sensor

The G502 Hero is equipped with the HERO 25K sensor, offering a DPI range from 200 to 25,600. This sensor provides precise tracking with zero smoothing, filtering, or acceleration, ensuring accurate cursor movement.

4.3 Adjustable Weight System

Customize the weight and balance of your mouse using the five included 3.6g weights. This allows for personalized feel and control.



Image 4.2: The G502 Hero's bottom panel removed, showing the slots for the adjustable weights and the weights themselves.

1. To access the weight compartment, gently pull open the magnetic cover on the bottom of the mouse.
2. Place the desired number of 3.6g weights into the designated slots.
3. Close the magnetic cover securely.

4.4 LIGHTSYNC RGB Lighting

The mouse features customizable RGB lighting zones (G logo and DPI indicators) that can be synchronized with other Logitech G LIGHTSYNC devices. Configuration is done via Logitech G HUB software.

5. SOFTWARE CUSTOMIZATION (LOGITECH G HUB)

Logitech G HUB software provides comprehensive control over your G502 Hero.

5.1 Assigning Commands to Buttons

1. Open Logitech G HUB.
2. Select your G502 Hero mouse from the device list.
3. Navigate to the 'Assignments' tab.
4. Drag and drop commands (e.g., keyboard macros, system commands, media controls) onto the desired buttons on the mouse diagram.
5. Save your changes.

5.2 DPI Sensitivity Settings

1. In G HUB, go to the 'Sensitivity (DPI)' tab.
2. Adjust the DPI levels for each of your preferred settings. You can set up to 5 DPI levels.
3. Assign a 'DPI Shift' button for temporary DPI changes (e.g., for precision aiming).

5.3 LIGHTSYNC RGB Configuration

1. Access the 'LIGHTSYNC' tab in G HUB.
2. Choose from various lighting effects (e.g., fixed color, breathing, color cycle, screen sampler, audio visualizer).
3. Customize colors, brightness, and speed.
4. Synchronize lighting with other Logitech G LIGHTSYNC devices if applicable.

5.4 Profile Management

Create and save multiple profiles for different games or applications. G HUB can automatically switch profiles when a specific application is launched.

6. OPERATING THE MOUSE

6.1 Basic Movement and Clicks

Use the mouse on a flat, clean surface for optimal tracking. The left and right click buttons function as standard mouse clicks.

6.2 DPI Switching

Press the assigned DPI shift buttons (G7, G8 by default) to cycle through your configured DPI sensitivity levels. The DPI indicator lights on the mouse will show the current DPI level.

6.3 Scroll Wheel Modes

The button directly below the scroll wheel toggles between two modes:

- **Hyper-Fast Scrolling:** The scroll wheel spins freely for rapid navigation through long documents or web pages.
- **Click-to-Click Scrolling:** The scroll wheel provides tactile feedback for precise, controlled scrolling.

7. MAINTENANCE

7.1 Cleaning

To maintain optimal performance, regularly clean your mouse:

- Use a soft, lint-free cloth slightly dampened with water or isopropyl alcohol to wipe the surface of the mouse.
- Avoid using harsh chemicals or abrasive materials.
- For the optical sensor, use a dry cotton swab to gently clean any dust or debris.

7.2 Cable Care

Avoid sharp bends or excessive pulling on the mouse cable to prevent damage. Store the cable neatly when not in use.

8. TROUBLESHOOTING

8.1 Mouse Not Responding

- Ensure the USB cable is securely plugged into a working USB port. Try a different USB port.
- Restart your computer.
- Test the mouse on another computer to determine if the issue is with the mouse or the computer.

8.2 Inconsistent Tracking

- Clean the optical sensor on the bottom of the mouse.
- Ensure you are using the mouse on a clean, uniform surface. Avoid highly reflective or transparent surfaces.

- Check DPI settings in Logitech G HUB; ensure they are appropriate for your usage.

8.3 Logitech G HUB Not Detecting Mouse

- Ensure the mouse is connected to your computer.
- Restart Logitech G HUB software.
- Reinstall Logitech G HUB software.
- Check for any pending operating system updates or driver updates for USB devices.

9. SPECIFICATIONS

Brand	Logitech G
Series	G502 Hero Wired
Model Number	910-005470
Hardware Platform	PC, Mac
Operating System	Mac OS X 10.11 El Capitan and later, Windows 7 and later
Item Weight	4.3 ounces (approx. 121g)
Product Dimensions (LxWxH)	1.57 x 2.95 x 0.1 inches (approx. 40 x 75 x 2.5 mm)
Color	Black
Power Source	Corded Electric (USB)
Connectivity Technology	USB
Special Features	4 Way Scrolling, LED Lights (LIGHTSYNC RGB), Adjustable Weights, 11 Programmable Buttons
Movement Detection Technology	Optical (HERO 25K Sensor)

10. WARRANTY AND SUPPORT

10.1 Manufacturer's Warranty

The Logitech G502 Hero Gaming Mouse comes with a **2-year manufacturer's warranty**. Please retain your proof of purchase for warranty claims.

10.2 Customer Support

For further assistance, technical support, or warranty inquiries, please visit the official Logitech G support website:

[Logitech G Support](#)

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