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Logitech G G502 X

Logitech G G502 X Wired Gaming Mouse User Manual

Model: G502 X (910-006139)

Introduction

Thank you for choosing the Logitech G G502 X Wired Gaming Mouse. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your new gaming mouse. The G502 X combines a legendary design with advanced gaming technology, including LIGHTFORCE hybrid optical-mechanical switches and the HERO 25K sensor, to deliver precision and performance for an optimal gaming experience.



Image: Top-down view of the Logitech G G502 X Wired Gaming Mouse.

Setup

1. **Connect the Mouse:** Plug the USB cable of your G502 X mouse into an available USB port on your PC or Mac. The mouse is plug-and-play for basic functionality.
2. **Install Logitech G HUB Software:** For full customization of buttons, DPI settings, and other advanced features, download and install the Logitech G HUB software from the official Logitech G website (logitechg.com/ghub).
3. **Initial Configuration:** Once G HUB is installed, launch the application. It should automatically detect your G502 X mouse. You can then begin customizing your mouse settings.

Operating Instructions

The Logitech G G502 X features 13 programmable controls and advanced technologies for precise operation.

Key Features and Controls:

- **LIGHTFORCE Hybrid Optical-Mechanical Switches:** These switches provide speed, reliability, and precise actuation with a crisp response. They combine the speed of optical switches with the tactile feedback of mechanical switches.



Image: Detailed view of the LIGHTFORCE hybrid optical-mechanical switches inside the G502 X mouse.

- **HERO 25K Sensor:** This high-performance gaming sensor offers sub-micron precision for accurate tracking with zero smoothing, filtering, or acceleration, ensuring high-level gaming performance.



Image: Underside of the G502 X mouse, highlighting the HERO 25K sensor.

- **Dual-Mode Scroll Wheel:** The scroll wheel can switch between two modes: a hyper-fast free-spinning mode for quick navigation and a precise, ratcheted mode for line-by-line scrolling. It also tilts left and right for two additional customizable controls.



Image: Close-up of the G502 X scroll wheel, illustrating its dual-mode functionality.

- **Redesigned DPI Shift Button:** This mouse features a reversible and removable DPI shift button, allowing for precise customization based on your grip and preference. It can be repositioned or removed entirely.



Image: The G502 X mouse showing the adjustable and removable DPI shift button.

- **13 Programmable Controls:** All 13 buttons on the G502 X can be customized using the Logitech G HUB software to assign macros, commands, or system functions.



Image: The G502 X mouse, illustrating its 13 programmable controls and low-friction PTFE feet.

Customization with Logitech G HUB:

The Logitech G HUB software is your central control panel for the G502 X mouse. With G HUB, you can:

- Assign custom functions to all 13 buttons.
- Adjust DPI sensitivity levels and create multiple profiles for different games or applications.
- Calibrate the sensor to your mouse pad surface for optimal tracking.
- Manage onboard memory profiles to save your settings directly to the mouse.

Maintenance

Proper care will ensure the longevity and performance of your Logitech G G502 X mouse.

- **Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe the surface of the mouse. Avoid harsh chemicals or abrasive materials. Do not allow liquids to enter the mouse.
- **Sensor Care:** Keep the optical sensor area on the underside of the mouse clean and free of dust or debris to ensure accurate tracking. Use a soft brush or compressed air if necessary.
- **Cable Management:** Avoid sharp bends or excessive pulling on the mouse cable. Proper cable management can prevent wear and tear.
- **PTFE Feet:** The low-friction PTFE feet on the underside of the mouse are designed for smooth gliding. If they become worn, replacement feet may be available from Logitech G support.

Troubleshooting

If you encounter issues with your G502 X mouse, try the following steps:

1. **Mouse Not Responding:**
   - Ensure the USB cable is securely plugged into a working USB port on your computer.
   - Try plugging the mouse into a different USB port.
   - Restart your computer.
2. **Inaccurate Tracking or Cursor Jitter:**
   - Clean the optical sensor on the underside of the mouse.
   - Ensure you are using the mouse on a clean, uniform surface or a high-quality mouse pad.
   - Check Logitech G HUB for sensor calibration options.
3. **Buttons Not Working or Responding Incorrectly:**
   - Verify button assignments in Logitech G HUB.
   - Ensure G HUB is running and updated to the latest version.
   - Try resetting the mouse profile in G HUB to default settings.
4. **Logitech G HUB Not Detecting Mouse:**
   - Ensure the mouse is connected.
   - Restart Logitech G HUB.
   - Reinstall Logitech G HUB software.
   - Check for any conflicting software or drivers.

Specifications



Image: Top view of the G502 X mouse, highlighting its lightweight design.

Feature	Detail
Model Name	G502 X Wired Gaming Mouse
Model Number	910-006139
Dimensions (L x W x H)	13.1 cm x 7.9 cm x 4.11 cm
Weight	89 Grams
Connectivity Technology	USB (Wired)
Sensor Technology	Optical (HERO 25K)
Max Sensitivity	25600 DPI
Number of Buttons	13 (Programmable)
Hand Orientation	Right-Handed
Compatible Devices	PC, Mac

Feature	Detail
Operating System	Windows 10, Mac OS 10.14 Mojave or later
Material	Plastic

Warranty Information

The Logitech G G502 X Wired Gaming Mouse comes with a**2-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. For specific terms and conditions, please refer to the warranty documentation included with your product or visit the official Logitech G support website.

Support

For further assistance, software downloads, FAQs, and troubleshooting guides, please visit the official Logitech G support resources:

- **Logitech G HUB Software:** logitechg.com/ghub
- **Logitech G Support Website:** support.logi.com

You can also find additional information and community support through the Logitech G brand store on AmazonLogitech G Store.

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