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› Logitech G502 X Plus Wireless Gaming Mouse User Manual

Logitech G 910-006160

Logitech G502 X Plus Wireless Gaming Mouse User Manual

Model: 910-006160 | Brand: Logitech G

1. INTRODUCTION

The Logitech G502 X PLUS Wireless RGB Gaming Mouse represents a significant evolution in gaming peripherals, combining a rich legacy of performance with cutting-edge gaming technologies. Designed for both casual and competitive gamers, this mouse offers a superior experience for PC and Mac users. It features hybrid optical-mechanical LIGHTFORCE switches for primary buttons, ensuring rapid and reliable clicks. The LIGHTSYNC RGB lighting system provides customizable illumination with 8 LED zones, adapting to gameplay with dynamic effects and optimizing battery life through active play detection. Powered by a HERO 25K sub-micron sensor, it delivers exceptional precision. The mouse also includes low-friction PTFE feet for smooth gliding and 13 programmable controls, including easily accessible side buttons, to provide a top-tier competitive advantage.





Image: The Logitech G502 X Plus Wireless Gaming Mouse, showcasing its ergonomic design and RGB lighting.

2. WHAT'S IN THE BOX

Upon unboxing your Logitech G502 X Plus Wireless Gaming Mouse, you should find the following components:

- Plus G502 X Wireless Gaming Mouse
- DPI-Shift Button Cover
- USB-C Charging Cable
- LIGHTSPEED USB-A Receiver
- USB extension Cable

Your browser does not support the video tag.

Video: An overview of the Logitech G502x Plus RGB mouse, demonstrating its features and components.

3. SETUP

3.1 Initial Connection

1. Insert the LIGHTSPEED USB-A Receiver into an available USB port on your PC or Mac. For optimal signal strength, use the included USB extension cable to position the receiver closer to your mouse.
2. Turn on the Logitech G502 X Plus mouse using the power switch located on the underside of the mouse.
3. The mouse should automatically pair with the receiver. If not, refer to the troubleshooting section.

3.2 Software Installation (Logitech G HUB)

For full customization of your mouse's features, including button assignments, DPI settings, LIGHTSYNC RGB lighting, and macro creation, download and install the Logitech G HUB software from the official Logitech G website. This software allows you to create and manage multiple profiles for different games and applications.

THE ORIGINAL, ERGONOMIC ICON

Continued from the days of the iconic G5 launched in 2005, the G502 family is engineered for maximum comfort and maximum features



LIGHTSPEED WIRELESS
Pro-tested. Pro-approved

4. OPERATING THE MOUSE

4.1 Key Features

- **LIGHTSPEED Wireless Technology:** Provides a professional-grade wireless connection with ultra-low latency, ensuring a responsive and reliable gaming experience.
- **LIGHTFORCE Optical-Mechanical Switches:** These hybrid switches on the primary left and right click buttons offer the speed and reliability of optical actuation with the tactile feedback of mechanical switches.
- **LIGHTSYNC RGB Lighting:** Customize the 8 LED lighting zones with a spectrum of 16.8 million colors. Lighting can be synchronized with gameplay, audio, or screen content via G HUB.
- **HERO 25K Sensor:** Logitech's most accurate gaming sensor, offering sub-micron precision with up to 25,600 DPI, zero smoothing, filtering, or acceleration.
- **Dual-Mode Scroll Wheel:** Toggle between hyper-fast free spin and a precise ratcheting mode for accurate weapon selection or item scrolling in games. The wheel also supports tilt-left and tilt-right actions for two additional programmable controls.
- **13 Programmable Controls:** Assign custom commands, macros, or system functions to any of the 13 buttons using Logitech G HUB software.
- **DPI-Shift Button:** Located near the thumb, this button allows for on-the-fly DPI adjustments, ideal for precision tasks like sniping in games. It is removable and reversible for personalized comfort.
- **POWERPLAY Compatibility:** The G502 X Plus is compatible with Logitech G POWERPLAY wireless charging mouse pads (sold separately), providing continuous wireless charging while in use, eliminating the need to plug in the mouse for charging.

LIGHTFORCE OPTICAL SWITCHES FOR SPEED & RELIABILITY

Optical click detection leverages the speed of light for minimal latency while staying reliable for longer



Image: A close-up view of the LIGHTFORCE optical-mechanical switches inside the Logitech G502 X Plus, illustrating their design for speed and reliability.

MAXIMUM FLEXIBILITY FOR WORK & PLAY



DUAL MODE WHEEL
Free spin or ratchet



DPI-SHIFT BUTTON
Adjustable, removable



Image: An exploded view of the Logitech G502 X Plus, highlighting the dual-mode scroll wheel and the adjustable/removable DPI-shift button, demonstrating maximum flexibility for work and play.

5. MAINTENANCE

5.1 Cleaning

To maintain optimal performance and hygiene, regularly clean your mouse. Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution. Avoid harsh chemicals or abrasive materials. Pay attention to the sensor area and the PTFE feet to ensure smooth gliding.

5.2 Battery and Charging

The Logitech G502 X Plus features a rechargeable Lithium Polymer battery. To charge, connect the included USB-C charging cable to the mouse and a USB power source. The mouse can be used while charging. For extended battery life, consider using a POWERPLAY wireless charging mouse pad (sold separately).

POWERPLAY WIRELESS CHARGING COMPATIBLE*

Lasts <130 hours** on a single charge or can be used with a POWERPLAY wireless charging mouse pad for unlimited energy



* POWERPLAY mouse pad sold separately
** Battery Life: <37 hrs with RGB, <130 hrs without

POWERPLAY COMPATIBLE
Wireless Charging.

Image: The Logitech G502 X Plus mouse on a POWERPLAY wireless charging mouse pad, illustrating its compatibility for continuous power.

6. TROUBLESHOOTING

6.1 Connection Issues

- **Mouse not responding:** Ensure the mouse is turned on and the LIGHTSPEED USB-A receiver is securely plugged into a working USB port. Try a different USB port.
- **Interference:** If experiencing erratic cursor movement or disconnections, try moving the receiver closer to the mouse using the USB extension cable. Avoid placing the receiver near other wireless devices or large metal objects.
- **Re-pairing:** If the mouse loses connection, try re-pairing it via Logitech G HUB software or by turning the mouse off and on again while the receiver is connected.

6.2 Software Issues (Logitech G HUB)

- **G HUB not detecting mouse:** Ensure G HUB is updated to the latest version. Restart your computer and the software. Temporarily disable any firewall or antivirus software that might be blocking the connection.
- **Settings not applying:** Ensure you have saved your profile changes within G HUB. Some settings may require the mouse to be connected via USB for initial application.

6.3 Performance Issues

- **Cursor erratic or jumpy:** Clean the mouse sensor. Ensure you are using the mouse on a suitable surface (e.g., a mouse pad).
- **Battery draining quickly:** Reduce RGB lighting brightness or disable it in G HUB. If using POWERPLAY, verify the mouse pad is powered and the mouse is correctly positioned.

7. SPECIFICATIONS

Feature	Detail
Brand Name	Logitech G
Model Number	910-006160
Item Weight	11.3 ounces
Product Dimensions	3.1 x 1.6 x 0.1 inches
Country of Origin	China
Batteries	1 Lithium Polymer batteries required (included)
Color Name	Black
Special Features	Wireless, Lightweight, Ergonomic Design, LED Lights
Connectivity Technology	Wireless, USB
Movement Detection Technology	Optical

8. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the official Logitech G website or the warranty card included with your product. Logitech G provides customer support for product inquiries, technical assistance, and warranty claims. An official User Manual (PDF) is available for download: [Download User Manual \(PDF\)](#)

For further assistance, visit the [Logitech G Store on Amazon](#) or their official support channels.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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