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Logitech G 910-001259

Logitech G500 Programmable Gaming Mouse

USER MANUAL

Product Overview

The Logitech Gaming Mouse G500 is engineered for precision and control in gaming. It features a gaming-grade laser for accurate tracking at various speeds, ranging from 200 to 5700 DPI. Its onboard memory allows users to save personalized settings directly to the mouse, eliminating the need for software on different computers. The G500 also includes a customizable weight tuning system, enabling users to adjust the mouse's feel and control by adding up to 27 grams of weight.

Key features include a dual-mode scroll wheel for both precise click-to-click scrolling and hyper-fast scrolling, on-the-fly adjustable DPI settings, and 10 programmable buttons for assigning macros and commands. These features are designed to enhance the gaming experience by providing adaptability and quick access to functions.



Figure 1: Angled view of the Logitech G500 Gaming Mouse, showcasing its textured surface and ergonomic design.

Setup Guide

Package Contents

- Logitech Gaming Mouse G500
- Adjustable Weight Cartridge
- Tuning weights and case
- User documentation
- 3-year limited hardware warranty information

System Requirements

- Operating System: Windows XP, Windows Vista, or Windows 7
- Connectivity: Available USB port
- Software: Internet connection for Logitech SetPoint software download (recommended for full functionality)

Initial Connection

1. Unpack the Logitech G500 mouse and its accessories from the packaging.
2. Insert the USB connector of the mouse into an available USB port on your computer.
3. Your operating system should automatically detect and install basic drivers for the mouse.
4. For advanced customization and full functionality, download and install the Logitech SetPoint software from the official Logitech website.

Operating Instructions

DPI Adjustment and Precision

The G500 features a gaming-grade laser sensor with adjustable DPI (Dots Per Inch) settings, ranging from 200 to 5700 DPI. This allows for precise targeting at lower DPIs and rapid maneuvers at higher DPIs. The mouse supports on-the-fly DPI adjustment using dedicated buttons, typically located near the scroll wheel or on the side.





Figure 2: Top-down view of the G500, highlighting the DPI adjustment buttons located above and below the scroll wheel.

To change DPI settings: Use the + and - buttons near the scroll wheel to cycle through predefined DPI levels. The LED indicators on the mouse's side will show the current DPI profile.

Programmable Buttons

The G500 is equipped with 10 programmable buttons, allowing users to assign custom commands, macros, or keystrokes. To utilize these features, the Logitech SetPoint software must be installed. This software provides an interface for button customization and profile management.



Figure 3: Side view of the G500, illustrating the placement of the programmable thumb buttons for easy access during gameplay.

Refer to the SetPoint software's help documentation for detailed instructions on creating and assigning macros.

Dual-Mode Scroll Wheel

The scroll wheel offers two modes: a precise click-to-click mode ideal for weapon selection or precise scrolling in games, and a hyper-fast, frictionless mode for quickly navigating long documents or web pages. A button located behind the scroll wheel toggles between these two modes.

Weight Tuning System

Personalize the feel and balance of your G500 mouse using the adjustable weight tuning system. The mouse includes a cartridge that can hold up to 27 grams of additional weight, distributed using various 1.7g and 4.5g weights.



Figure 4: The weight tuning kit, showing the case and individual weights (1.7g and 4.5g) used to customize the mouse's feel.



Figure 5: Underside of the G500, revealing the slot for the adjustable weight cartridge.

To adjust weights: Locate the weight cartridge slot on the underside of the mouse. Press the release button and gently remove the cartridge. Place the desired weights into the cartridge slots and reinsert the cartridge into the mouse until it clicks securely.

Onboard Memory

The G500 features onboard memory, allowing you to save your customized button assignments and DPI settings directly to the mouse. This means your personalized settings will be active even when connecting the mouse to a different computer without the SetPoint software installed.

To save profiles to onboard memory: Use the Logitech SetPoint software to configure your desired settings. The software will provide an option to save these settings to the mouse's internal memory.

Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your Logitech G500 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.
- **Sensor Care:** Keep the optical sensor on the underside of the mouse clean and free of dust or debris. Use a cotton swab or compressed air if necessary.
- **Mouse Feet:** Periodically check the mouse feet (glides) for wear. Worn feet can affect glide performance. Replacement feet may be available from Logitech support or authorized resellers.
- **Cable Management:** Avoid sharp bends or excessive pulling on the mouse cable to prevent damage.

Troubleshooting

If you encounter issues with your Logitech G500 mouse, try the following troubleshooting steps:

- **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.
- **DPI Adjustment Not Working:**
 - Verify that the Logitech SetPoint software is installed and running.
 - Check the software settings to ensure DPI profiles are correctly configured.
- **Buttons Not Functioning as Programmed:**
 - Open the Logitech SetPoint software and review your button assignments.
 - Ensure the correct profile is active if you have multiple profiles configured.
 - Update the SetPoint software to the latest version.
- **Scroll Wheel Issues:**
 - Toggle the dual-mode scroll wheel button to ensure it's in the desired mode (click-to-click or hyper-fast).
 - Clean any debris around the scroll wheel.

For further assistance, visit the official Logitech support website or contact their customer service.

Specifications

Model Number	910-001259
Product Dimensions	4.65 x 2.95 x 1.61 inches
Item Weight	4.7 ounces
Tracking Resolution	200 – 5700 dpi
Image Processing	12 megapixels/second

Max. Acceleration	30G*
Max. Speed	Up to 165 inches (4.19 m)/second*
USB Data Format	16 bits/axis
USB Report Rate	Up to 1000 reports/second
Sleep Mode	Disabled
Dynamic Coefficient of Friction (Mu (k))	0.09**
Static Coefficient of Friction (Mu (s))	0.14**
Tuning Weight	Up to 27 grams
Buttons (Left / Right) Durability	8 million clicks
Feet Durability	250 kilometers
Date First Available	August 6, 2009

*Tested on most popular gaming-mousepad surfaces

**Tested on wood-veneer desktop

Warranty and Support

The Logitech G500 Programmable Gaming Mouse comes with a**3-year limited hardware warranty**. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or further assistance, please contact Logitech customer support directly. You may need to provide proof of purchase and the product's serial number. Detailed support resources, including FAQs and driver downloads, are available on the official Logitech support website.

Note: Customers are responsible for working directly with the manufacturer for support and warranty services.

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