

[Manuals.plus](#) /

› [Logitech G](#) /

› Logitech G304 Lightspeed Wireless Gaming Mouse User Manual

Logitech G G304

Logitech G304 Lightspeed Wireless Gaming Mouse User Manual

Model: G304

INTRODUCTION

The Logitech G304 Lightspeed Wireless Gaming Mouse is engineered for high performance and reliability, featuring the advanced HERO sensor and LIGHTSPEED wireless technology. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your G304 mouse to ensure optimal performance.



Figure 1: Logitech G304 Lightspeed Wireless Gaming Mouse with its USB receiver.

PACKAGE CONTENTS

Verify that all items are present in your product packaging:

- Logitech G304 Lightspeed Wireless Gaming Mouse
- LIGHTSPEED USB Nano Receiver
- AA Battery
- User Documentation (this manual)

SETUP

1. **Insert Battery:** Open the top cover of the mouse by gently lifting it from the rear. Insert the provided AA battery into the battery compartment, ensuring correct polarity. Close the cover securely.

LIGHTWEIGHT



99 GRAMS

Figure 2: Battery compartment and insertion of AA battery.

2. **Connect USB Receiver:** Plug the LIGHTSPEED USB Nano Receiver into an available USB port on your computer. For optimal signal strength, use a port that is not obstructed.
3. **Power On:** Locate the power switch on the underside of the mouse and slide it to the ON position. The mouse will automatically attempt to connect to the USB receiver.
4. **Install Logitech G HUB Software (Recommended):** For full customization and advanced features, download and install the Logitech G HUB software from the official Logitech website. This software allows you to customize DPI settings, program buttons, and manage profiles.

Note: The mouse is plug-and-play for basic functionality without the software.

OPERATING INSTRUCTIONS

The Logitech G304 is designed for intuitive use with its six programmable buttons and high-precision sensor.

- **Basic Functionality:** The left and right-click buttons, scroll wheel, and side buttons function as standard mouse controls.
- **DPI Adjustment:** The button located below the scroll wheel allows for on-the-fly DPI (Dots Per Inch) adjustment. Default DPI settings can be cycled through by pressing this button. Custom DPI levels can be configured via the



Figure 3: The HERO sensor provides precise tracking up to 12,000 DPI.

- **LIGHTSPEED Wireless Technology:** The mouse utilizes Logitech's LIGHTSPEED wireless technology for a 1 ms report rate, ensuring a lag-free and responsive gaming experience.

LIGHTSPEED WIRELESS



1MS REPORT RATE

Figure 4: LIGHTSPEED wireless technology ensures ultra-fast response times.

- **Programmable Buttons:** The G304 features 6 programmable buttons. These can be assigned various functions, macros, or key binds using the Logitech G HUB software.

FULLY PROGRAMMABLE



6 BUTTONS

Figure 5: Location of the 6 programmable buttons on the G304 mouse.

- **Button Tensioning System:** The primary left and right buttons feature a metal spring tensioning system for crisp, clean clicks with minimal force.

CRISP RELIABLE BUTTON



METAL SPRING BUTTON TENSIONING

Figure 6: Metal spring button tensioning system for consistent clicks.

BATTERY MANAGEMENT

The G304 is designed for extended battery life, operating on a single AA battery.

- **Battery Life:** Expect up to 250 hours of continuous gameplay in Performance mode (1ms report rate). In Endurance mode (8ms report rate), battery life can extend up to 9 months.

ULTRA-LONG BATTERY



250 HOURS ON ONE AA BATTERY

Figure 7: The G304 offers ultra-long battery life on a single AA battery.

- **Battery Indicator:** The mouse features a battery indicator light that flashes red when approximately 15% battery life remains, signaling that the battery needs replacement soon.
- **Battery Type:** Uses one standard AA battery.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your G304 mouse.

- **Cleaning:** Use a soft, dry, lint-free cloth to wipe the surface of the mouse. For stubborn dirt, slightly dampen the cloth with water. Avoid using harsh chemicals or abrasive materials.
- **Sensor Cleaning:** Occasionally inspect the optical sensor on the underside of the mouse for dust or debris. Use a can of compressed air to gently clear any obstructions. Do not insert objects into the sensor opening.
- **Storage:** When not in use for extended periods, store the mouse in a clean, dry environment. Consider removing the AA battery if storing for several months to prevent potential leakage. The USB nano receiver can be stored inside the mouse's battery compartment for convenience.

TROUBLESHOOTING

If you encounter issues with your Logitech G304 mouse, refer to the following common solutions:

Problem	Possible Cause / Solution
Mouse not responding	Ensure the mouse is powered ON. Check battery level; replace if low. Verify USB receiver is securely plugged into a working USB port. Try a different USB port. Move the mouse closer to the USB receiver.
Erratic cursor movement / Poor tracking	Clean the optical sensor on the underside of the mouse. Ensure you are using the mouse on a suitable surface (non-reflective, uniform color). Adjust DPI settings via the G HUB software.
Buttons not working / Double-clicking	Ensure Logitech G HUB software is updated. Check for any software conflicts. If the issue persists, contact Logitech Support.
Cannot connect to G HUB software	Ensure the mouse is connected and powered on. Restart your computer and the G HUB software. Reinstall G HUB software if necessary.

SPECIFICATIONS

Feature	Detail
Model	G304
Sensor	HERO Optical Sensor
DPI Range	Up to 12,000 DPI
Tracking Speed	400 IPS
Report Rate	1ms (LIGHTSPEED Wireless)
Buttons	6 Programmable Buttons
Battery Type	1 x AA Battery
Battery Life	Up to 250 hours (Performance Mode)
Weight	99 grams
Dimensions (LxWxH)	116 x 62 x 38 mm (approx.)
Connectivity	LIGHTSPEED Wireless (USB Receiver)
Operating System Compatibility	Windows® 7 or later, macOS 10.11 or later, Chrome OS

WARRANTY AND SUPPORT

The Logitech G304 Lightspeed Wireless Gaming Mouse typically comes with a 2-year limited hardware warranty. For

detailed warranty information, technical support, or to access the latest drivers and software, please visit the official Logitech support website:

[Logitech Support](#)

For further assistance, you may also refer to the[Logitech G Store on Amazon](#).

© 2024 Logitech G. All rights reserved.

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

Open the live page

<https://manuals.plus/asin/B07G98H6PM>

More documents and user manuals: <https://manuals.plus/>