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› [Lenovo](#) /

› [Lenovo Legion M220 Wireless RGB Gaming Mouse User Manual](#)

## Lenovo M220

# Lenovo Legion M220 Wireless RGB Gaming Mouse User Manual

Model: M220

## 1. INTRODUCTION

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The Lenovo Legion M220 Wireless RGB Gaming Mouse is designed for versatile performance, offering multiple connectivity options, a high-precision sensor, and customizable RGB lighting. This manual provides essential information to help you get started and optimize your experience with the mouse.

## 2. PACKAGE CONTENTS

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Verify that all items are present in your package:

- Lenovo Legion M220 Wireless RGB Gaming Mouse
- USB-C to USB-A Braided Cable (1.8 m / 5.9 ft)
- 2.4 GHz Wireless USB Receiver
- User Documentation



Figure 2.1: Package Contents

The image above displays the typical contents of the Lenovo Legion M220 Wireless RGB Gaming Mouse package. Ensure you have received the mouse, the braided USB-C charging/data cable, and the 2.4 GHz wireless USB receiver.

## 3. SETUP

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### 3.1 Charging the Mouse

The Lenovo Legion M220 mouse features an 800 mAh rechargeable battery. To charge the mouse, connect the provided USB-C cable to the mouse's USB-C port and the other end to a powered USB-A port on your computer or a USB wall adapter. A full charge typically takes approximately 2 hours. The RGB lighting may indicate charging status.

# Battery that endures

Fight through over **100 hours** of unrelenting gameplay.



\*Battery life tested based on real-life scenarios under Bluetooth mode, without RGB light. Actual results may vary.

*Figure 3.1: Battery Life Indication*

The mouse offers over 100 hours of playtime with RGB lighting off. Battery life may vary based on usage patterns and RGB settings.

## **3.2 Connecting the Mouse**

The M220 supports three connection modes: 2.4 GHz Wireless, Bluetooth, and Wired USB-C.



Figure 3.2: Mouse Components Overview

This diagram highlights the key components of the mouse, including the USB-C charging port, optical sensor, and button layout, which are essential for understanding connectivity and operation.

### 2.4 GHz Wireless Connection:

1. Locate the 2.4 GHz USB receiver, usually stored in a compartment on the underside of the mouse.
2. Plug the USB receiver into an available USB-A port on your computer.
3. Turn on the mouse using the power switch on the underside. The mouse should automatically connect.

### Bluetooth Connection:

1. Ensure your computer's Bluetooth is enabled.
2. Switch the mouse to Bluetooth mode using the mode switch button (refer to Figure 3.2 for location).
3. On your computer, go to Bluetooth settings and search for new devices.
4. Select "Lenovo Legion M220" from the list of available devices to pair.

### Wired Connection:

1. Connect the provided USB-C cable to the mouse's USB-C port.
2. Connect the USB-A end of the cable to an available USB-A port on your computer.
3. The mouse will function as a wired mouse and charge simultaneously.

## Command three devices

Connect up to three devices through dual Bluetooth® and a 2.4GHz wireless receiver. USB-C wired connection also supported — always backed up.



Figure 3.3: Multi-Device Connectivity

The image demonstrates the mouse's capability to connect to up to three devices via Bluetooth and a 2.4GHz wireless receiver, with USB-C wired connection also supported for backup.

## 4. OPERATING INSTRUCTIONS

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### 4.1 DPI Adjustment

The Lenovo Legion M220 features a 5-level DPI switch, allowing you to adjust sensitivity on the fly. The available DPI settings are 400, 800, 1600 (Default), 3200, and 5000. Use the dedicated DPI switch button (refer to Figure 3.2) to cycle through these settings.

# Furious performance

Built with a deadly-accurate **5000 DPI** sensor and 80 IPS tracking, this mouse reacts faster than you blink.



Figure 4.1: DPI Levels

The image illustrates the various DPI settings available, from 400 DPI for precise movements to 5000 DPI for rapid cursor speed, with 1600 DPI being the factory default.

## 4.2 RGB Lighting Control

The mouse is equipped with dual RGB lighting zones. You can adjust lighting modes and colors directly using the scroll wheel and side buttons without requiring additional software. Experiment with different combinations to find your preferred aesthetic.



*Figure 4.2: RGB Lighting Zones*

This image showcases the dynamic RGB lighting of the mouse, highlighting the two customizable lighting zones that can be adjusted to match user preferences.

### **4.3 Button Functions**

The M220 features 7 programmable buttons. These include the left-click, right-click, scroll wheel click, two side buttons, and the DPI switch button. The mode switch button on the underside also serves as a pairing button for Bluetooth. For advanced customization, such as macro assignments, refer to the official Lenovo Legion software (if available for this model).

# Instinctive control

Switch lighting modes and zones instantly by clicking the side key and scroll wheel.



*Figure 4.3: Instinctive Control*

The image illustrates the natural hand placement on the mouse, emphasizing the accessible scroll wheel and side buttons for quick adjustments during use.

## 5. MAINTENANCE

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### 5.1 Cleaning

To maintain optimal performance and appearance, 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 that could damage the surface or internal components. Ensure no liquid enters the mouse.

### 5.2 Battery Care

To prolong battery life, avoid fully discharging the mouse frequently. Charge the mouse when the battery indicator suggests low power. Store the mouse in a cool, dry place when not in use for extended periods.

## 6. TROUBLESHOOTING

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## 6.1 Mouse Not Responding

- **Check Battery:** Ensure the mouse is charged. Connect it via USB-C cable to confirm if it powers on.
- **Check Connection:**
  - For 2.4 GHz Wireless: Ensure the USB receiver is securely plugged into a working USB port and the mouse is switched to 2.4 GHz mode. Try a different USB port.
  - For Bluetooth: Verify Bluetooth is enabled on your computer and the mouse is in Bluetooth pairing mode. Re-pair the device if necessary.
  - For Wired: Ensure the USB-C cable is firmly connected to both the mouse and the computer. Try a different USB port.
- **Restart Computer:** Sometimes a simple restart can resolve connectivity issues.

## 6.2 Cursor Movement is Erratic or Laggy

- **Clean Sensor:** Dust or debris on the optical sensor can cause erratic movement. Clean the sensor area on the underside of the mouse with a soft cloth.
- **Surface:** Ensure you are using the mouse on a suitable, non-reflective surface. A mouse pad is recommended for optimal tracking.
- **Interference:** For wireless connections, move the mouse closer to the receiver or computer to minimize potential interference from other wireless devices.
- **DPI Setting:** Adjust the DPI setting to a level that feels comfortable and responsive for your current task.

## 6.3 RGB Lighting Not Working

- **Check Battery:** Low battery can affect RGB lighting functionality. Charge the mouse fully.
- **Cycle Modes:** Use the scroll wheel and side buttons to cycle through RGB lighting modes and ensure it's not set to an 'off' state.

## 7. SPECIFICATIONS

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Feature	Specification
Brand	Lenovo
Model Name	Legion M220 Wireless RGB Gaming Mouse
Model Number	GY51U28359
Connectivity Technology	Bluetooth, 2.4 GHz Wireless, USB-C Wired
Movement Detection Technology	Optical (SG8925 Sensor)
Mouse Maximum Sensitivity	5000 DPI (400 / 800 / 1600 / 3200 / 5000)
Max. Moving Speed	80 IPS
Max. Acceleration	30 G
Polling Rate	1000 Hz
Button Quantity	7
Hand Orientation	Ambidextrous
Battery Type	800 mAh Rechargeable Battery
Battery Life	Up to 100 Hours (without RGB Lighting)
Charging Time	Around 2 Hours to Full (via USB-C)
RGB Lighting	2 Zone RGB
Item Weight	95 Grams
Item Dimensions (L x W)	4.93"L x 2.63"W
Compatible Operating System	Windows 10, Windows 11 or later
Material	Plastic
UPC	195892133742

## 8. WARRANTY AND SUPPORT

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### 8.1 Warranty Information

This Lenovo Legion M220 Wireless RGB Gaming Mouse comes with a **1 Year Manufacturer Warranty**. Please retain your proof of purchase for warranty claims.

### 8.2 Customer Support

For technical assistance, troubleshooting, or further information, please visit the official Lenovo support website or contact their customer service. You can find support resources at [support.lenovo.com](https://support.lenovo.com).