FMOUSE M501

FMOUSE M501 Wireless Gaming Mouse User Manual

Model: M501

Overview   Setup   Operating Modes   Customization   Charging & Battery   Maintenance   Troubleshooting   Specifications   Warranty & Support

1. PRODUCT OVERVIEW

This manual provides detailed instructions for the FMOUSE M501 Wireless Gaming Mouse. It covers setup, operation, customization, maintenance, and troubleshooting to ensure optimal performance and user experience.

Package Contents:

- FMOUSE M501 Wireless Gaming Mouse
- 1.8m USB-C Cable
- USB Receiver (2.4GHz)
- User Manual

Key Features:

- **Tri-Mode Connectivity:** 2.4GHz Wireless, Bluetooth (BT1 & BT2), and USB-C Wired.
- **High-Performance Sensor:** PAW3311 Pro Gaming Sensor with up to 12,000 DPI, 1000Hz report rate, and 300 IPS tracking speed.
- **Programmable Buttons:** 6 customizable macro buttons.
- **Rechargeable Battery:** Built-in 600mAh battery for extended use.
- **Ergonomic Design:** Comfortable for large hands, lightweight (83 grams).
- **RGB Lighting:** Stylish adjustable RGB lighting effects.
- **Universal Compatibility:** Supports Windows, MacOS, iPadOS, ChromeOS, and Linux.

2. SETUP GUIDE

2.1 Mouse Components

Familiarize yourself with the mouse buttons and components.

Image: The FMOUSE M501 Wireless Gaming Mouse, showing the USB receiver stored in its magnetic slot at the bottom of the mouse.
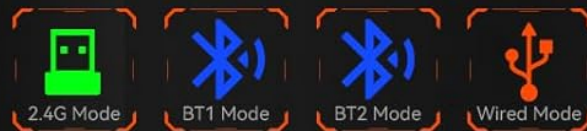
Image: A diagram illustrating the six programmable buttons on the FMOUSE M501: Left Click, Right Click, Middle Click (scroll wheel), Forward button, Backward button, and DPI Switch button.

2.2 Initial Charging

Before first use, it is recommended to fully charge the mouse.

1. Connect the provided USB-C cable to the mouse's charging port.
2. Connect the other end of the cable to a USB power source (e.g., computer USB port, USB wall adapter).
3. The charging indicator light will flash green. Once fully charged (approximately 2-3 hours), the light will remain solid green.

800-12000dpi
5 Level Switch

| 800dpi | 1600dpi | 3200dpi | 6400dpi | 12000dpi |

Magnetic Receiver

Magnetic Upper Cover

Charging Light

[Undervoltage] Red Light Flashing

[Charging] Green Light Flashing

[Fully Charged] Green Light Always On

Image: The FMOUSE M501 mouse connected via its USB-C cable for charging, illustrating the charging process and battery life.

2.3 Connecting the Mouse

The M501 supports three connection modes: 2.4GHz Wireless, Bluetooth, and Wired.
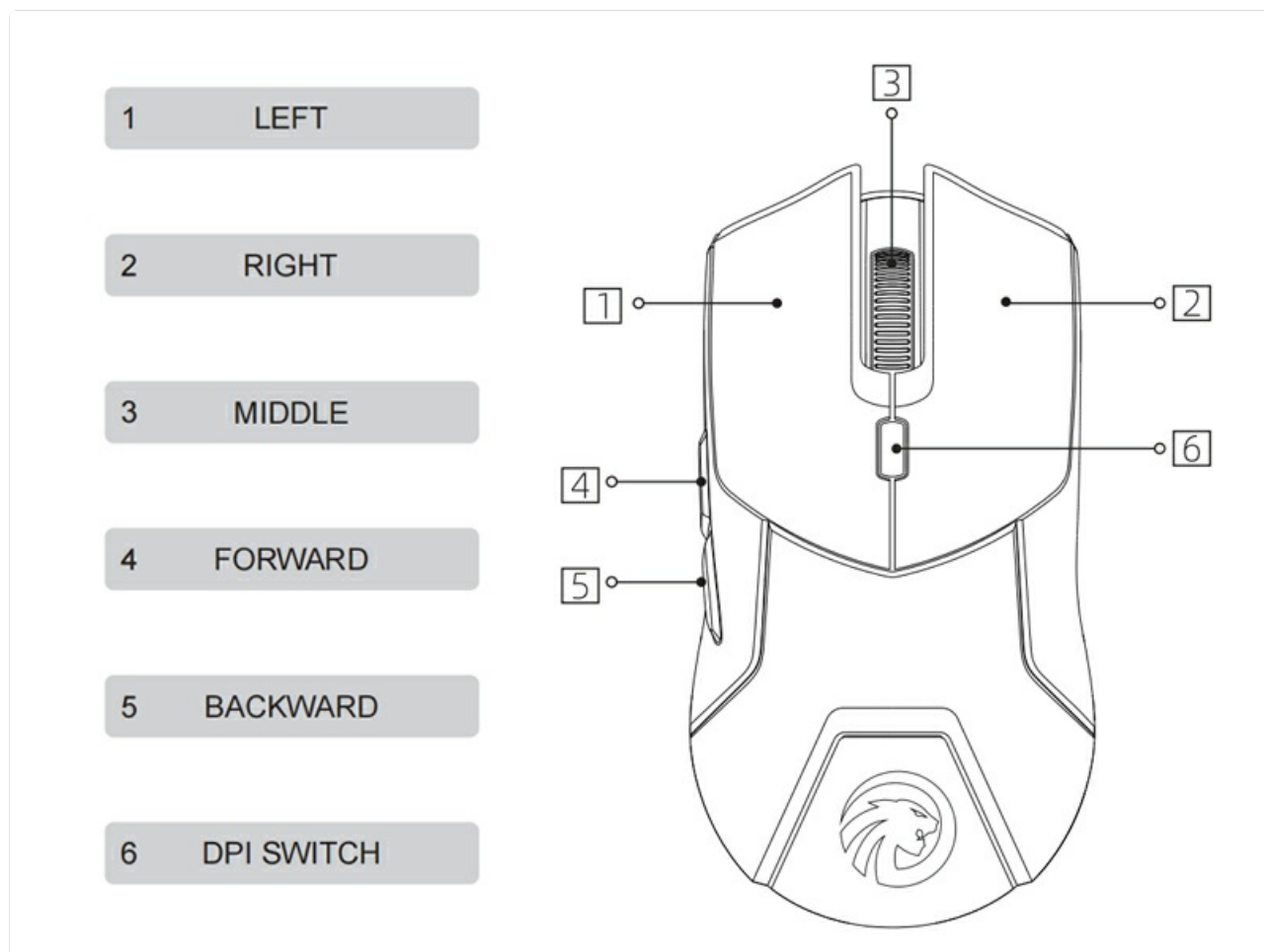

1	LEFT
2	RIGHT
3	MIDDLE
4	FORWARD
5	BACKWARD
6	DPI SWITCH

Image: A detailed view of the FMOUSE M501's underside, showing the tri-mode switch (2.4G, BT1, BT2, Wired) and the magnetic

2.3.1 2.4GHz Wireless Mode

1. Locate the USB receiver stored in the magnetic compartment on the underside of the mouse.
2. Plug the USB receiver into an available USB port on your computer.
3. Slide the mode switch on the bottom of the mouse to the "2.4G" position.
4. The mouse should connect automatically.

2.3.2 Bluetooth Mode (BT1 / BT2)

The mouse supports two separate Bluetooth connections (BT1 and BT2).

1. Slide the mode switch on the bottom of the mouse to either "BT1" or "BT2" position.
2. The mouse's indicator light will start flashing, indicating it's in pairing mode.
3. On your device (PC, laptop, tablet), go to Bluetooth settings and search for new devices.
4. Select "FMOUSE M501" (or similar name) from the list of available devices to pair.
5. Once paired, the indicator light will stop flashing.
6. To switch between BT1 and BT2, simply move the switch to the desired Bluetooth channel.

2.3.3 Wired Mode

1. Connect the provided USB-C cable to the mouse's front port.
2. Connect the other end of the cable to a USB port on your computer.
3. The mouse will automatically switch to wired mode and can be used while charging.

3. OPERATING THE MOUSE

3.1 DPI Adjustment

The mouse features 5 adjustable DPI levels (800, 1600, 3200, 6400, 12000 DPI).

- Press the **DPI Switch button** (button 6 in the diagram) located behind the scroll wheel to cycle through the DPI settings.
- Each DPI level may be indicated by a different LED color on the mouse (e.g., 800dpi, 1600dpi, 3200dpi, 6400dpi, 12000dpi).

Image: The FMOUSE M501 displaying different LED colors to indicate the current DPI setting, ranging from 800dpi to 12000dpi.

3.2 Report Rate

The mouse supports different report rates depending on the connection mode:

- **Wired Mode:** 1000Hz
- **2.4GHz Wireless Mode:** 1000Hz
- **Bluetooth Mode:** 125Hz

Higher report rates provide more responsive tracking, which is beneficial for gaming.

Image: The FMOUSE M501 highlighting its 1000Hz report rate capability in both wired and 2.4GHz wireless modes, and 125Hz in Bluetooth mode.

3.3 RGB Lighting

The mouse features adjustable RGB lighting effects.

- Lighting effects can be customized using the dedicated software (see Section 4.1).
- The lighting will automatically turn off when the mouse is idle to conserve battery.

GAMING MOUSE

Wired+2.4G+BT Tri-Mode Programmable Gaming Mouse

(It comes with a 1.8-meter data cable and can be turned into a wired gaming mouse)

Wired+2.4G+BT Switch	600mAh Battery	50 Million Times Switch	RGB Backlight
800-12000DPI 5 Level Switch	Type-C Port	Comfortable Hand Feeling	Win/Mac/Android Multi-System Support

Image: Two FMOUSE M501 mice showcasing their vibrant RGB lighting effects, which are adjustable.

4. CUSTOMIZATION AND SOFTWARE

4.1 Driver Software

The FMOUSE M501 features 6 programmable macro buttons. To unlock full customization options, including button remapping, DPI settings, report rate, and RGB lighting effects, download and install the official driver software.

- Visit the official FMOUSE website to download the latest driver software for your operating system.
- Install the software by following the on-screen instructions.
- Once installed, launch the application to access customization options.

Image: A screenshot of the FMOUSE driver software interface, showing options for lighting, DPI, and macro customization for the mouse buttons.

4.2 Programmable Buttons

The software allows you to assign various functions to the 6 programmable buttons, including:

- Standard mouse functions (Left, Right, Middle click)

- Forward/Backward navigation

- DPI switching

- Custom keystrokes

- Macro recording and playback

- Multimedia controls

5. Charging and Battery Management

5.1 Battery Life

The FMOUSE M501 is equipped with a 600mAh rechargeable battery, providing approximately 80 hours of continuous heavy use on a full charge.

5.2 Charging the Mouse

Use the provided USB-C cable to charge the mouse. The mouse can be used in wired mode while charging.

- **Low Battery:** The indicator light will flash red.
- **Charging:** The indicator light will flash green.
- **Fully Charged:** The indicator light will be solid green.

Image: A visual guide to the FMOUSE M501's charging indicators: red flashing for low battery, green flashing for charging, and solid green for fully charged.

5.3 Power Saving

The mouse automatically enters hibernation mode when idle to conserve battery power. It will wake up instantly upon movement.

6. Maintenance and Care

- **Cleaning:** Use a soft, dry cloth to clean the mouse. For stubborn dirt, a slightly damp cloth can be used, ensuring no liquid enters the mouse.
- **Sensor Care:** Keep the optical sensor on the underside of the mouse clean and free from dust or debris for optimal

tracking performance.

- **Storage:** When not in use for extended periods, store the mouse in a dry, cool place. Ensure the USB receiver is stored in its magnetic compartment to prevent loss.
- **Avoid Extreme Conditions:** Do not expose the mouse to extreme temperatures, direct sunlight, or high humidity.

7. TROUBLESHOOTING

Problem	Possible Solution
Mouse not responding in 2.4GHz wireless mode.	- Ensure the USB receiver is securely plugged into a working USB port. - Verify the mode switch on the mouse is set to "2.4G". - Check if the mouse battery is charged. - Try plugging the receiver into a different USB port.
Mouse not connecting via Bluetooth.	- Ensure the mode switch on the mouse is set to "BT1" or "BT2". - Make sure Bluetooth is enabled on your device. - Remove any previous pairings of the mouse from your device's Bluetooth settings and attempt to re-pair. - Ensure the mouse is in pairing mode (indicator light flashing).
Mouse cursor movement is erratic or jumpy.	- Clean the optical sensor on the underside of the mouse. - Ensure you are using the mouse on a clean, non-reflective surface. - Check for interference in wireless modes (e.g., other 2.4GHz devices, large metal objects). - Try adjusting the DPI setting.
Buttons or scroll wheel not functioning correctly.	- Ensure the mouse is fully charged. - Restart your computer. - If using customization software, check button assignments. - Try connecting the mouse in wired mode to see if the issue persists.
RGB lighting is off or not changing.	- The lighting automatically turns off when idle; move the mouse to wake it. - Check the lighting settings in the driver software. - Ensure the mouse battery is not critically low.

8. PRODUCT SPECIFICATIONS

Feature	Detail
Model Number	M501
Connectivity	2.4GHz Wireless, Bluetooth (BT1 & BT2), USB-C Wired

Feature	Detail
Sensor	PAW3311 Optical Sensor
DPI Range	800 / 1600 / 3200 / 6400 / 12000 (5 levels)
Report Rate	1000Hz (2.4GHz Wireless & Wired), 125Hz (Bluetooth)
Tracking Speed	300 IPS
Acceleration	35G
Buttons	6 Programmable Buttons
Battery Capacity	600mAh Lithium Ion
Battery Life	Approx. 80 hours (continuous heavy use)
Charging Port	USB-C
Cable Length	1.8 meters
Weight	83 grams (approx. 2.93 ounces)
Dimensions	4.92 x 2.6 x 0.1 inches (125mm x 66mm x 38mm)
Compatibility	Windows, MacOS, iPadOS, ChromeOS, Linux

9. WARRANTY AND SUPPORT

9.1 Warranty Information

FMOUSE products are covered by a limited warranty from the date of purchase. Please refer to the warranty card included in your package or visit the official FMOUSE website for detailed warranty terms and conditions.
The warranty typically covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or normal wear and tear.
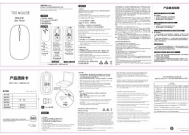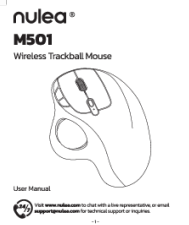
9.2 Customer Support

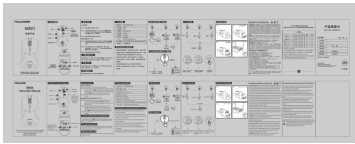For technical assistance, troubleshooting, or warranty claims, please contact FMOUSE customer support:

- **Website:** Visit the FMOUSE Official Store for FAQs, driver downloads, and contact information.
- **Email:** Refer to your product packaging or the official website for the most current support email address.

When contacting support, please have your product model (M501) and proof of purchase readily available.

Related Documents - M501

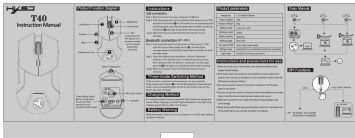|	**FMOUSE M501 Wireless Gaming Mouse Instruction Manual** Comprehensive instruction manual for the FMOUSE M501 wireless gaming mouse, detailing its tri-mode connectivity (2.4GHz, Bluetooth 3.0, Bluetooth 5.0), ergonomic design, adjustable DPI, and rechargeable features.
	FMOUSE M333 Wireless Mouse Instruction Manual User guide for the FMOUSE M333 wireless mouse, featuring RGB lighting, silent clicks, transparent design, and dual connectivity (Bluetooth 5.1, 2.4GHz USB/Type-C). Learn about DPI settings, product features, and usage.
	700 MOUSE User Manual and Product Information Comprehensive user manual for the 700 MOUSE wireless mouse, covering features, operation instructions for 2.4G and Bluetooth modes, installation, troubleshooting, battery and laser safety warnings, warranty information, and FCC compliance.
	FMOUSE M501 Wireless Gaming Mouse Instruction Manual Comprehensive instruction manual for the FMOUSE M501 wireless gaming mouse, detailing its tri-mode connectivity (2.4GHz, Bluetooth 3.0, Bluetooth 5.0), ergonomic design, adjustable DPI, and rechargeable features.
nulea® M501 Wireless Trackball Mouse User Manual	**Nulea M501 Wireless Trackball Mouse User Manual | Features, Setup, Specifications** Comprehensive user manual for the Nulea M501 Wireless Trackball Mouse. Covers product features, detailed specifications, Bluetooth and 2.4G connection setup for Windows and Mac, mode switching, charging, DPI settings, sleep mode, safety instructions, FAQ, troubleshooting, FCC compliance, and manufacturer details.
	FMOUSE M333 Wireless Mouse Instruction Manual User guide for the FMOUSE M333 wireless mouse, featuring RGB lighting, silent clicks, transparent design, and dual connectivity (Bluetooth 5.1, 2.4GHz USB/Type-C). Learn about DPI settings, product features, and usage.

Documents - FMOUSE – M501

FMOUSE M501 Wireless Gaming Mouse Instruction Manual
Comprehensive instruction manual for the FMOUSE M501 wireless gaming mouse, detailing its tri-mode connectivity (2.4GHz, Bluetooth 3.0, Bluetooth 5.0), ergonomic design, adjustable DPI, and rechargeable features.
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