Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

MCHOSE G87 & M7 Ultra

MCHOSE G87 Wireless Mechanical Keyboard & M7 Ultra Wireless Gaming Mouse User Manual

Model: G87 & M7 Ultra

1. Introduction

Welcome to the user manual for your MCHOSE G87 Wireless Mechanical Keyboard and M7 Ultra Wireless Gaming Mouse. This comprehensive guide provides detailed instructions on setup, operation, maintenance, and troubleshooting to ensure you get the most out of your new peripherals. Designed for performance and versatility, this combo offers tri-mode connectivity, hot-swappable switches, and high-precision tracking for an optimal gaming and productivity experience.



Figure 1.1: MCHOSE G87 Wireless Mechanical Keyboard and M7 Ultra Wireless Gaming Mouse.

2. Package Contents

Please check the package contents upon unboxing:

- MCHOSE G87 Wireless Mechanical Keyboard
- MCHOSE M7 Ultra Wireless Gaming Mouse
- USB-C Cable (for charging and wired connection)
- 2.4G Wireless Receiver (Nano receiver, often stored inside the mouse)
- Keycap Puller (for keyboard maintenance)
- Switch Puller (for keyboard maintenance)
- User Manual (this document)

3. Product Overview

3.1 MCHOSE G87 Mechanical Keyboard Features



Figure 3.1: MCHOSE G87 Mechanical Keyboard Key Features.

- **TKL 75% Layout:** Compact 87-key design saving desktop space while retaining essential keys.
- **Full RGB Backlit:** Customizable per-key RGB lighting.
- **Tri-Mode Connectivity:** Supports 2.4G wireless, Bluetooth 5.0, and USB-C wired connections.
- **10000mAh Battery:** High-capacity battery for extended wireless usage.
- **Hot Swappable:** Compatible with 3-pin and 5-pin mechanical switches for easy customization without soldering.
- **5-Layer Gasket Mount:** Enhanced typing feel and sound profile.
- **Ergonomic Design:** Golden angle for comfortable typing, reducing wrist fatigue.
- **Control Knob:** Multi-function knob for volume control and other media functions.

3.2 MCHOSE M7 Ultra Gaming Mouse Features



Figure 3.2: MCHOSE M7 Ultra Gaming Mouse Key Features.

- **8K Hz Hyperpolling Rate:** Ultra-low latency response for competitive gaming.
- **Realtek Premium Processor:** Ensures fast response, precise tracking, and durability.
- **53g Ultra Lightweight:** Ergonomic design for comfortable, agile movements.
- **PAW 3950 Sensor:** High-performance optical sensor for accurate tracking.
- **MCHOSE Pro Optical Switches:** Durable and responsive click performance.
- **500mAh Battery:** Provides extended usage in wireless modes.
- **Tri-Mode Connectivity:** Supports 2.4G wireless, Bluetooth 5.0, and USB-C wired connections.
- **MCHOSE Custom Driver:** Software for advanced customization of buttons and settings.



Figure 3.3: Internal components of the MCHOSE M7 Ultra Gaming Mouse.

4. Setup and Connectivity

Both the G87 keyboard and M7 Ultra mouse support three connection modes: 2.4G Wireless, Bluetooth 5.0, and USB-C Wired.



Figure 4.1: Tri-mode connectivity options for MCHOSE peripherals.

4.1 2.4G Wireless Connection

1. Locate the 2.4G USB receiver. For the M7 Ultra mouse, it is typically stored in a compartment on the underside.
2. Plug the USB receiver into an available USB port on your computer.
3. For the keyboard, switch the mode selector to "2.4G" (usually located on the back or side).
4. For the mouse, switch the mode selector to "2.4G" (usually on the underside).
5. The devices should automatically connect. An indicator light may show successful pairing.

4.2 Bluetooth 5.0 Connection

1. Switch the mode selector on your keyboard/mouse to "BT" (Bluetooth).
2. On your computer or device, enable Bluetooth and search for new devices.
3. For the keyboard, press and hold **Fn + 1**, **Fn + 2**, or **Fn + 3** for 3-5 seconds to enter pairing mode (the indicator light will flash rapidly).
4. For the mouse, press the Bluetooth pairing button (if available, or follow specific instructions in the quick start guide).

5. Select "MCHOSE G87" or "MCHOSE M7 Ultra" from the list of available Bluetooth devices on your computer and follow the on-screen prompts to complete pairing.

4.3 USB-C Wired Connection

1. Connect the provided USB-C cable to the port on the keyboard/mouse.
2. Connect the other end of the cable to a USB-A port on your computer.
3. The devices will automatically switch to wired mode and begin charging.

5. Operating Instructions

5.1 MCHOSE G87 Keyboard Operations

Multimedia Knob Functionality



Figure 5.1: Precision volume control with the 3-direction knob.

- **Rotate Clockwise:** Increase volume.

- **Rotate Counter-clockwise:** Decrease volume.
- **Press Down:** Mute/Unmute audio.

Hot-Swappable Switches

The G87 keyboard features hot-swappable PCB sockets, allowing you to change mechanical switches without soldering. This supports both 3-pin and 5-pin switches.



Figure 5.2: Hot-swappable PCBA for customizing typing experience.

1. Use the provided switch puller to gently remove the existing switch.
2. Align the pins of the new switch with the holes on the PCB.
3. Gently press the new switch into place until it clicks securely. Ensure pins are not bent.

RGB Lighting Control

Use the MCHOSE custom driver software for advanced RGB customization. Basic controls are typically available via Fn key combinations (refer to the quick start guide for specific combinations).

5.2 MCHOSE M7 Ultra Mouse Operations

Programmable Buttons



Figure 5.3: M7 Ultra mouse with 6 programmable buttons.

The M7 Ultra mouse features 6 programmable buttons: Left, Right, Middle (scroll wheel click), Mode Switch, Forward, and Back. Use the MCHOSE custom driver software to assign macros, keybinds, and other functions to these buttons.

DPI Adjustment

The DPI (Dots Per Inch) switch button on the underside of the mouse allows you to cycle through different sensitivity levels. The indicator light may change color to indicate the current DPI setting. For precise DPI customization, use the MCHOSE custom driver software.

Polling Rate Adjustment

The M7 Ultra supports up to 8K Hz hyperpolling rate for ultra-low latency. This setting can typically be adjusted via the MCHOSE custom driver software, allowing you to optimize performance for different applications and games.



Figure 5.4: M7 Ultra mouse featuring 8K Hz Hyperpolling Rate.

6. Maintenance and Care

- **Cleaning:** Use a soft, dry cloth to wipe down the surfaces of the keyboard and mouse. For deeper cleaning, especially between keycaps, use compressed air. Avoid using harsh chemicals or abrasive materials.
- **Battery Life:** To prolong battery life, turn off the devices when not in use for extended periods. Charge them regularly using the provided USB-C cable.
- **Storage:** Store the devices in a cool, dry place away from direct sunlight and extreme temperatures.
- **Keycap/Switch Removal:** When removing keycaps or switches, do so gently to avoid damaging the components.

7. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Device not connecting (2.4G/Bluetooth)	Low battery; Incorrect mode selected; Receiver not plugged in; Bluetooth not paired.	Charge device; Ensure correct mode (2.4G/BT) is selected; Plug in receiver; Re-pair Bluetooth.
Lag or disconnections in wireless mode	Interference; Distance from receiver; Low battery.	Move closer to receiver; Remove sources of interference (other wireless devices); Charge device.
Keys/Buttons not responding	Software issue; Physical obstruction; Faulty switch/button.	Restart computer; Clean under keycap; If hot-swappable, try replacing switch; Contact support.
RGB lighting not working	Software setting; Device not powered on.	Check software settings; Ensure device is powered on and connected.
Mouse tracking issues	Dirty sensor; Uneven surface; Software settings.	Clean optical sensor; Use on a clean, even mouse pad; Adjust DPI settings in software.
Multimedia knob not working	Software conflict; Driver issue.	Ensure no conflicting software is running; Reinstall MCHOSE custom driver.
Device not recognized in wired mode	Faulty cable; USB port issue.	Try a different USB-C cable; Try a different USB port on your computer.
MCHOSE Custom Driver not detecting device	Device not connected; Driver not installed correctly.	Ensure device is connected via wired or 2.4G mode; Reinstall the driver from the official MCHOSE website.
Keyboard/Mouse not charging	Faulty cable; USB port issue; Device not in charging mode.	Try a different USB-C cable; Try a different USB port; Ensure device is powered on or in a charging-compatible mode.
Mouse buttons feel mushy or unresponsive	Debris under button; Worn switch.	Clean around the button; If issue persists, contact support for potential switch replacement.
Keyboard switches feel inconsistent	Switch not fully seated; Debris in switch; Faulty switch.	Ensure switch is fully pressed into socket; Clean switch with compressed air; Replace switch if necessary.
Mouse indicator light not behaving as expected	Low battery; Mode indication; DPI indication.	Refer to the quick start guide for indicator light meanings; Charge the mouse.
Keyboard/Mouse not waking from sleep	Power saving mode; Low battery.	Press any key/button to wake; Ensure sufficient battery charge.
Unexpected behavior or freezing	Firmware issue; Software conflict.	Perform a factory reset (if available, check quick start guide); Update firmware via MCHOSE custom driver; Contact support.

8. Specifications

8.1 MCHOSE G87 Wireless Mechanical Keyboard

- **Layout:** 87-key (75% TKL)
- **Connectivity:** Tri-Mode (2.4G Wireless, Bluetooth 5.0, USB-C Wired)
- **Battery:** 10000mAh
- **Switches:** Hot-swappable (3-pin & 5-pin compatible)
- **Backlighting:** Full RGB
- **Mounting Style:** Gasket Mount (5-layer)
- **Special Features:** Multimedia Control Knob, Ergonomic Design

8.2 MCHOSE M7 Ultra Wireless Gaming Mouse

- **Sensor:** PAW 3950 Optical Sensor
- **Polling Rate:** Up to 8K Hz Hyperpolling
- **Processor:** Realtek Premium Processor
- **Weight:** Approximately 53g
- **Connectivity:** Tri-Mode (2.4G Wireless, Bluetooth 5.0, USB-C Wired)
- **Battery:** 500mAh
- **Switches:** MCHOSE Pro Optical Switches
- **Buttons:** 6 Programmable Buttons
- **Special Features:** Ergonomic Design, MCHOSE Custom Driver

9. Warranty and Support

MCHOSE products come with a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official MCHOSE website for detailed warranty terms and conditions.
For technical support, troubleshooting assistance, or warranty claims, please contact MCHOSE customer service through their official website or the contact information provided in your product packaging. Ensure you have your product model and purchase details ready when contacting support.
Official MCHOSE Website: Visit MCHOSE Store on Amazon

© 2025 MCHOSE. All rights reserved.
This manual is subject to change without notice.

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/B0F4D2XFTG

More documents and user manuals: **https://manuals.plus/**