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MCHOSE MC-K7 Ultra

MCHOSE K7 Ultra Wireless Gaming Mouse User Manual

Model: MC-K7 Ultra

1. Introduction

The MCHOSE K7 Ultra is a high-performance wireless gaming mouse designed for precision and versatility. Weighing only 59 grams, it offers an ultralight experience for extended gaming sessions. This mouse features triple-mode connectivity, allowing you to connect via 2.4GHz wireless RF, Bluetooth, or a wired USB connection. Equipped with a PAW3950 optical sensor, it delivers up to 42,000 DPI for pixel-perfect tracking. The K7 Ultra also boasts an 8,000 Hz polling rate in both wireless and wired modes, ensuring ultra-responsive performance and minimal input lag. Its 500mAh rechargeable battery supports wireless charging via the included magnetic dock, providing long-lasting power.



Image 1.1: MCHOSE K7 Ultra Wireless Gaming Mouse with its magnetic charging dock.

2. Setup Guide

2.1 Package Contents

Before proceeding, ensure all components are present:

- MCHOSE K7 Ultra Wireless Gaming Mouse
- Magnetic Wireless Charging Dock with 8K Receiver
- USB-C to USB-A Cable
- User Manual (this document)

2.2 Initial Charging

For optimal performance, fully charge the mouse before first use.

1. Connect the USB-C cable to the charging dock and the USB-A end to a powered USB port on your computer or a

wall adapter.

2. Place the MCHOSE K7 Ultra mouse onto the magnetic charging dock. The mouse will align automatically.
3. The RGB lighting on the dock will indicate charging status. Allow approximately 2-3 hours for a full charge.



Image 2.1: The magnetic wireless charging dock with RGB lighting.

2.3 Connecting the Mouse

The K7 Ultra supports three connection modes:

2.3.1 2.4GHz Wireless RF Mode

1. Ensure the charging dock is connected to your computer via the USB cable. The dock acts as the 2.4GHz receiver.
2. Locate the mode switch on the bottom of the mouse. Slide it to the '2.4G' position.
3. The mouse should automatically connect to your computer.

2.3.2 Bluetooth (BT) Mode

1. Slide the mode switch on the bottom of the mouse to the 'BT' position.

2. The mouse's indicator light will start blinking, indicating it is in pairing mode.
3. On your computer, navigate to Bluetooth settings and search for new devices.
4. Select "MCHOSE K7 Ultra" from the list of available devices to pair.

2.3.3 Wired USB Mode

1. Connect the USB-C end of the cable directly to the mouse and the USB-A end to your computer.
2. Slide the mode switch on the bottom of the mouse to the 'Wired' position (or 'OFF' if it automatically switches to wired when connected).
3. The mouse will function as a wired device and charge simultaneously.

2.4 Software Installation (M HUB)

To unlock full customization options, including DPI settings, button remapping, and RGB lighting effects, download and install the MCHOSE M HUB software.

- Visit the official MCHOSE website to download the latest version of the M HUB software.
- Follow the on-screen instructions to complete the installation.
- Launch the software to configure your mouse settings.

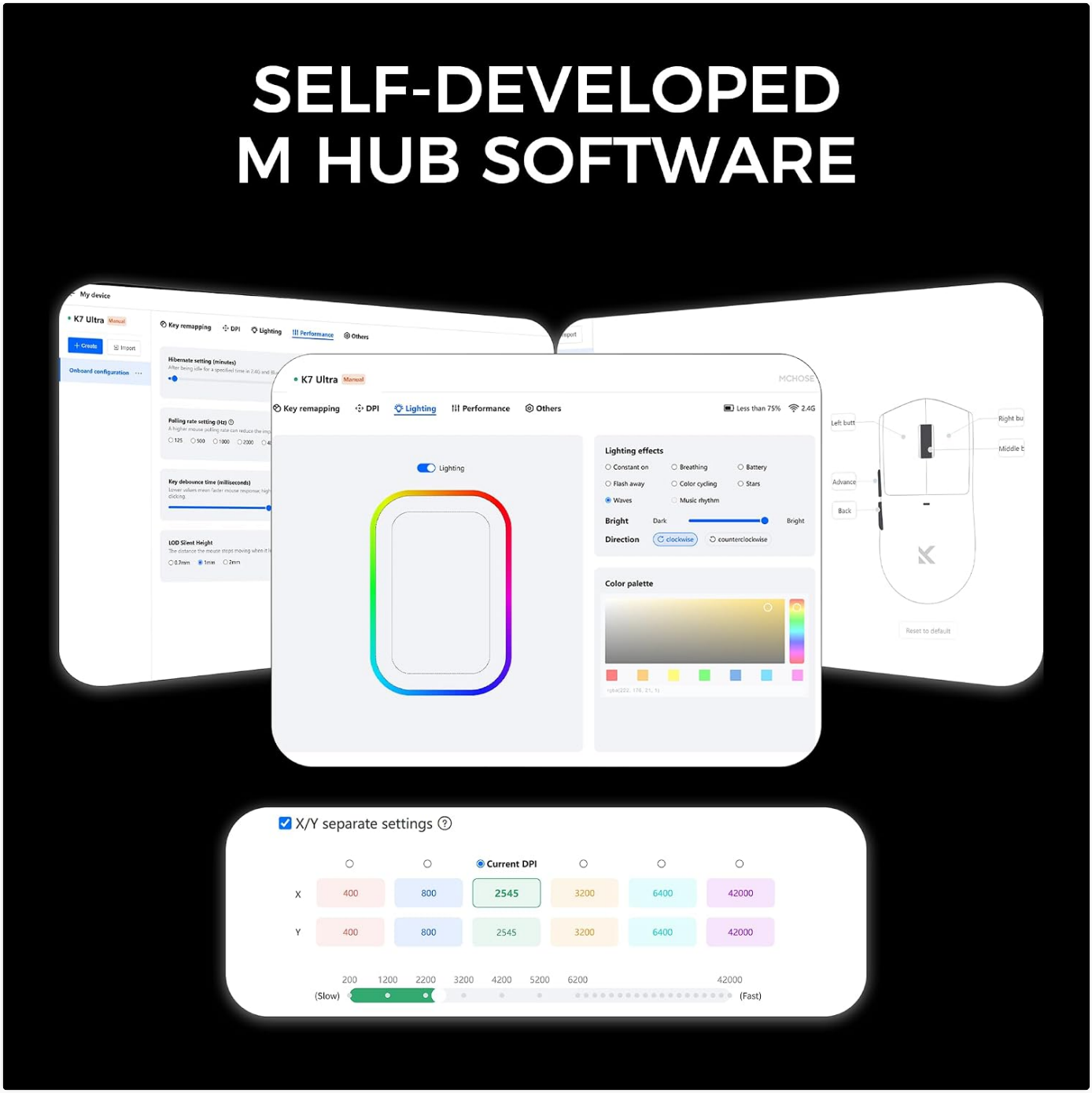


Image 2.2: Overview of the MCHOSE M HUB software interface for customization.

3. Operating Instructions

3.1 Switching Connectivity Modes

Use the switch on the bottom of the mouse to select your desired connection mode: 2.4G (for wireless RF via dock), BT (for Bluetooth), or Wired (for USB cable connection).

3.2 DPI Adjustment

The MCHOSE K7 Ultra features a PAW3950 optical sensor with adjustable DPI up to 42,000. You can cycle through preset DPI stages using the dedicated DPI button (usually located behind the scroll wheel) or customize precise DPI values via the M HUB software.



Image 3.1: The PAW3950 42K DPI optical sensor for precise tracking.

3.3 Polling Rate

The K7 Ultra supports an 8,000 Hz polling rate, providing extremely low latency. This setting can typically be adjusted within the M HUB software to suit your preferences and system capabilities.

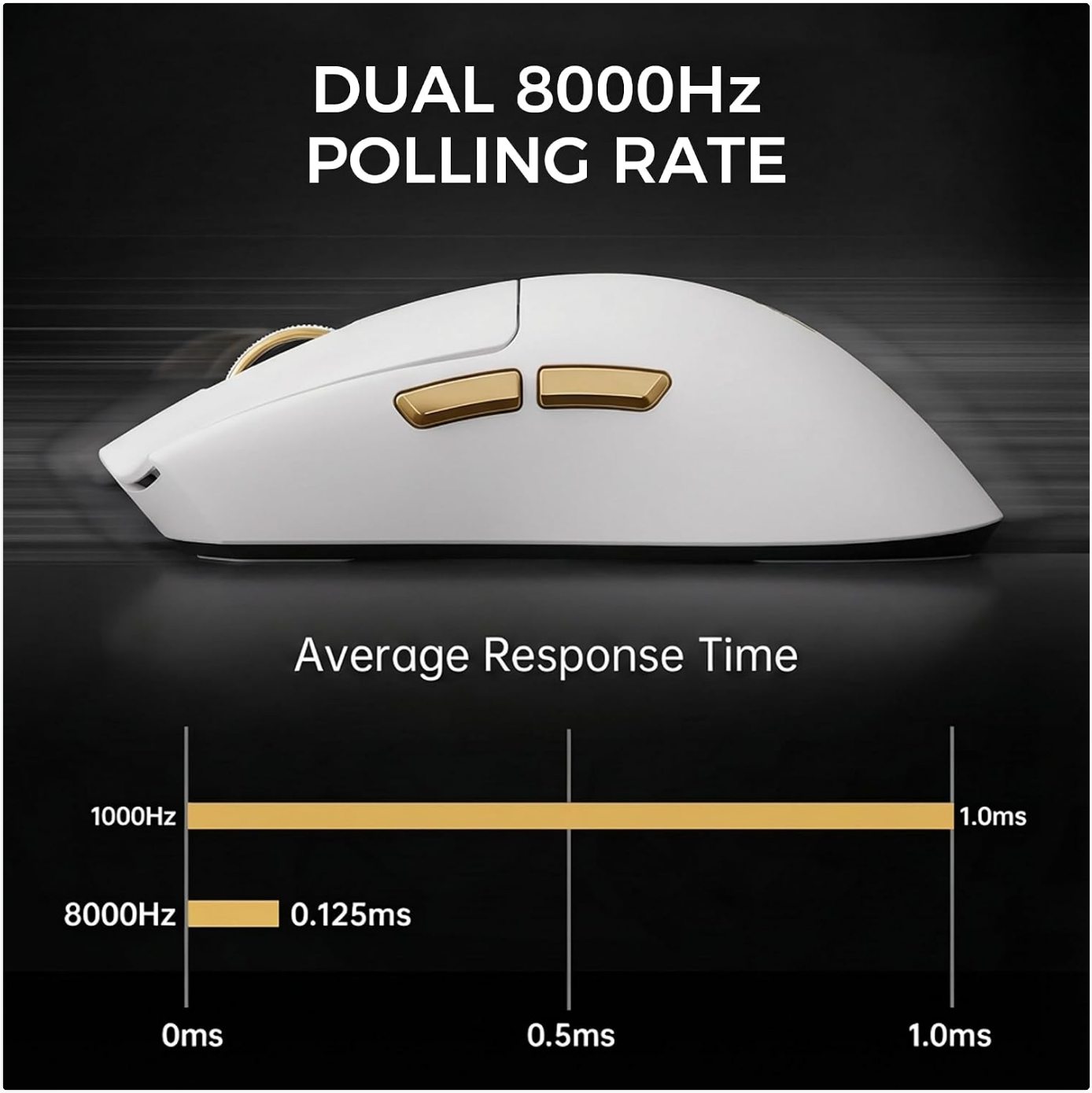


Image 3.2: Comparison illustrating the responsiveness of an 8000Hz polling rate.

3.4 Button Functions

The mouse features 6 programmable buttons. Their default functions are:

- Left Click
- Right Click
- Scroll Wheel Click
- DPI Cycle Button
- Forward Side Button
- Backward Side Button

All buttons can be remapped and customized using the M HUB software to assign macros or different functions.

3.5 RGB Lighting

The mouse and charging dock feature customizable RGB lighting. Use the M HUB software to select various lighting

effects, colors, and brightness levels.

4. Maintenance

4.1 Cleaning

- To clean the mouse (made of ABS plastic) and charging dock, use a soft, dry, lint-free cloth.
- For stubborn dirt, slightly dampen the cloth with water or a mild electronic cleaner.
- Avoid using harsh chemicals, abrasive materials, or excessive moisture, as these can damage the device.
- Regularly clean the optical sensor area on the bottom of the mouse to ensure accurate tracking.

4.2 Battery Care

- The K7 Ultra is equipped with a 500mAh rechargeable battery.
- Avoid fully discharging the battery frequently to prolong its lifespan.
- Store the mouse in a cool, dry place when not in use for extended periods.
- If the mouse will not be used for a long time, charge it periodically to maintain battery health.

4.3 PTFE Glides

The mouse features 100% PTFE glides for smooth movement. If glides become worn, replacement sets may be available from MCHOSE or authorized retailers to maintain optimal glide performance.



Image 4.1: Exploded view showing internal components, including 100% PTFE glides.

5. Troubleshooting

Issue	Possible Cause	Solution
Mouse is unresponsive or not detected.	• Low battery. • Incorrect connection mode. • Loose cable connection (wired mode). • Receiver not properly connected (2.4GHz mode). • Bluetooth pairing issue.	• Charge the mouse. • Ensure the mode switch is set to the correct position (2.4G, BT, or Wired). • Check USB cable connections. • Ensure the charging dock/receiver is securely plugged into a USB port. • Re-pair the mouse via Bluetooth settings.

Issue	Possible Cause	Solution
Lag or intermittent connection.	• Interference from other wireless devices. • Distance from receiver/computer. • Low battery.	• Move the receiver closer to the mouse. • Avoid placing the receiver near other wireless transmitters. • Charge the mouse. • Switch to wired mode if issues persist.
DPI or button settings not applying.	• M HUB software not running or updated. • Profile not saved/applied.	• Ensure M HUB software is installed and running. • Update M HUB software to the latest version. • Save and apply changes within the software.
Charging dock RGB not lighting up.	• Dock not powered. • Software setting.	• Ensure the USB cable is securely connected to a powered port. • Check RGB settings in the M HUB software.

6. Specifications

Feature	Detail
Brand	MCHOSE
Model Name	MC-K7 Ultra
Color	White
Connectivity Technology	2.4GHz RF Wireless, Bluetooth, USB Wired
Motion Detection Technology	Optical (PAW3950 Sensor)
Max Sensitivity (DPI)	42,000 DPI
Polling Rate	8,000 Hz (Wireless & Wired)
Number of Buttons	6
Weight	59 Grams
Dimensions (L x W)	12.7 cm x 6.4 cm
Battery Type	500mAh Rechargeable (Non-standard, included)
Battery Life	Up to 120 hours
Charging	Wireless Charging Dock, USB-C Wired
Material	ABS Plastic
Compatible Operating Systems	macOS, Windows
Compatible Devices	Personal Computer
Special Features	Wireless Charging, Ultralight (59g), Triple-Mode Connection, M HUB Software, 100% PTFE Glides



Image 6.1: Summary of MCHOSE K7 Ultra's key features and specifications.

7. Warranty Information

MCHOSE products are manufactured to high quality standards. For specific warranty terms and conditions, including duration and coverage, please refer to the warranty card included with your product, consult the retailer from whom you purchased the device, or visit the official MCHOSE website. Keep your proof of purchase for warranty claims.

8. Support

For technical support, product inquiries, or further assistance, please utilize the following resources:

- **Official MCHOSE Website:** Visit the official MCHOSE website for FAQs, driver downloads, and contact information.
- **Retailer Support:** Contact the retailer where you purchased the MCHOSE K7 Ultra for assistance with returns, exchanges, or initial troubleshooting.

When contacting support, please have your product model (MC-K7 Ultra) and proof of purchase ready.

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