MCHOSE L7 Ultra Plus

MCHOSE L7 Ultra Plus Wireless Gaming Mouse User Manual

Model: L7 Ultra Plus

INTRODUCTION

This manual provides detailed instructions for the MCHOSE L7 Ultra Plus Wireless Gaming Mouse. Please read this manual thoroughly before using the product to ensure proper operation and to maximize your gaming experience.

Figure 1: MCHOSE L7 Ultra Plus Wireless Gaming Mouse (Top View)

The MCHOSE L7 Ultra Plus is a high-performance wireless gaming mouse designed for precision and speed. It features a PAW3950 sensor, up to 42,000 DPI, 8K polling rate, and a lightweight design.

PACKAGE CONTENTS

- MCHOSE L7 Ultra Plus Wireless Gaming Mouse
- USB Receiver (Dongle)
- USB-C Charging/Data Cable
- User Manual (This document)
- Grip Tapes (Optional, may be included)

SETUP

1. Charging the Mouse

Before first use, it is recommended to fully charge the mouse. Connect the USB-C cable to the mouse and the other end to a USB port on your computer or a USB power adapter. The charging indicator will show the charging status.

2. Connecting the Mouse

The MCHOSE L7 Ultra Plus supports three connection modes: 2.4GHz Wireless, Bluetooth, and Wired.

2.1. 2.4GHz Wireless Connection

1. Locate the USB receiver (dongle) included in the package.
2. Plug the USB receiver into an available USB port on your computer.
3. Turn on the mouse using the switch located on the bottom of the mouse. Set the switch to the "2.4G" position.
4. The mouse should automatically connect to your computer. If not, press the pairing button (if available, refer to button layout) or cycle the power switch.
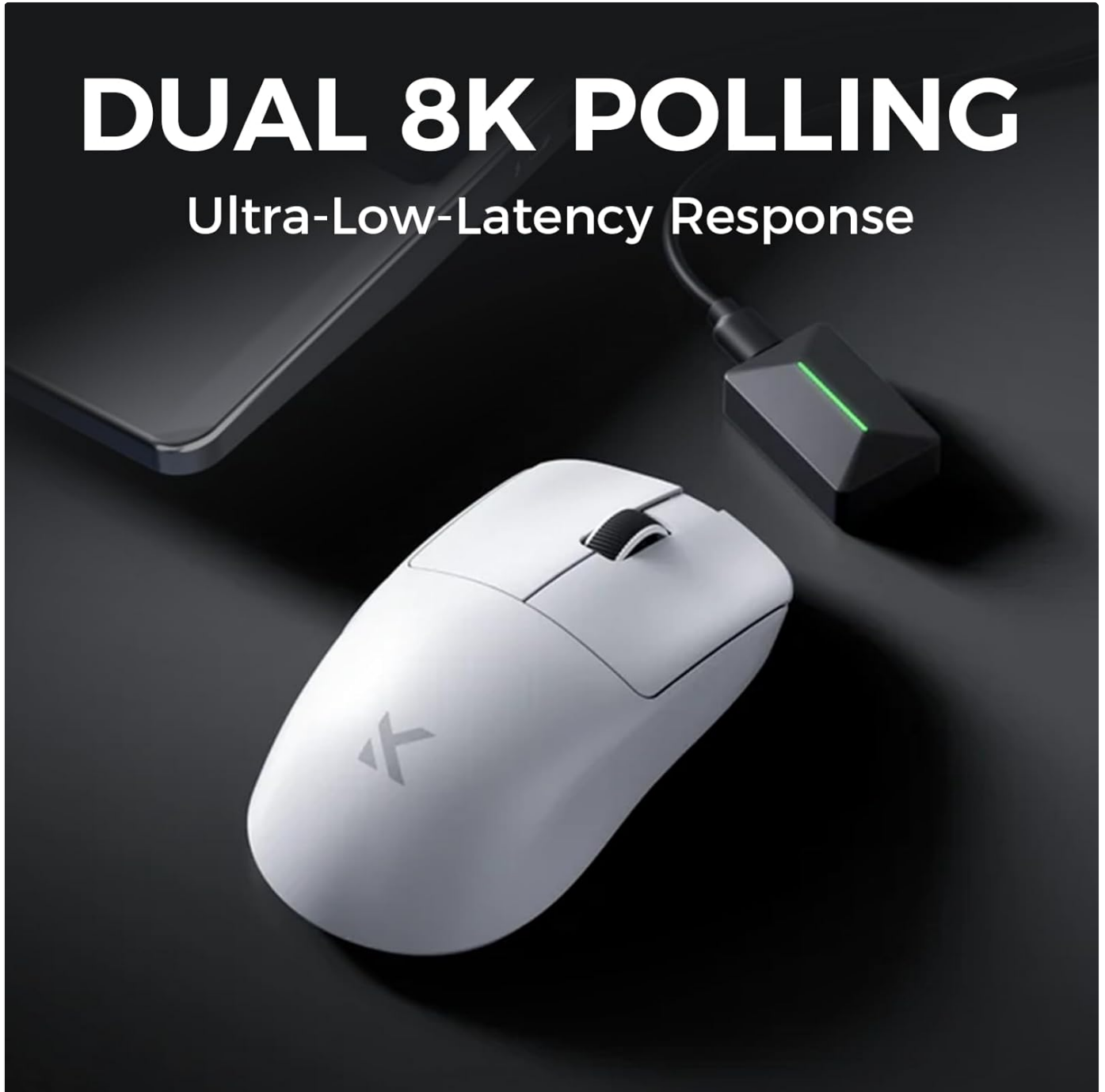

Figure 2: 2.4GHz Wireless Connection with USB Dongle

The 2.4GHz wireless mode provides a stable and low-latency connection, ideal for gaming, especially when utilizing the 8K polling rate.

2.2. Bluetooth Connection

1. Turn on the mouse and set the switch on the bottom to the "BT" position.
2. On your computer or device, open Bluetooth settings.
3. Search for new devices and select "MCHOSE L7 Ultra Plus" (or similar name) from the list.

4. Follow any on-screen prompts to complete the pairing process.

2.3. Wired Connection

1. Connect the USB-C cable to the mouse and the USB-A end to your computer.

2. The mouse will automatically switch to wired mode and begin charging.

3. This mode can also be used for firmware updates and software configuration.

OPERATING INSTRUCTIONS

1. Button Functions

The MCHOSE L7 Ultra Plus features standard mouse buttons and additional programmable buttons. Refer to the diagram below for button identification.
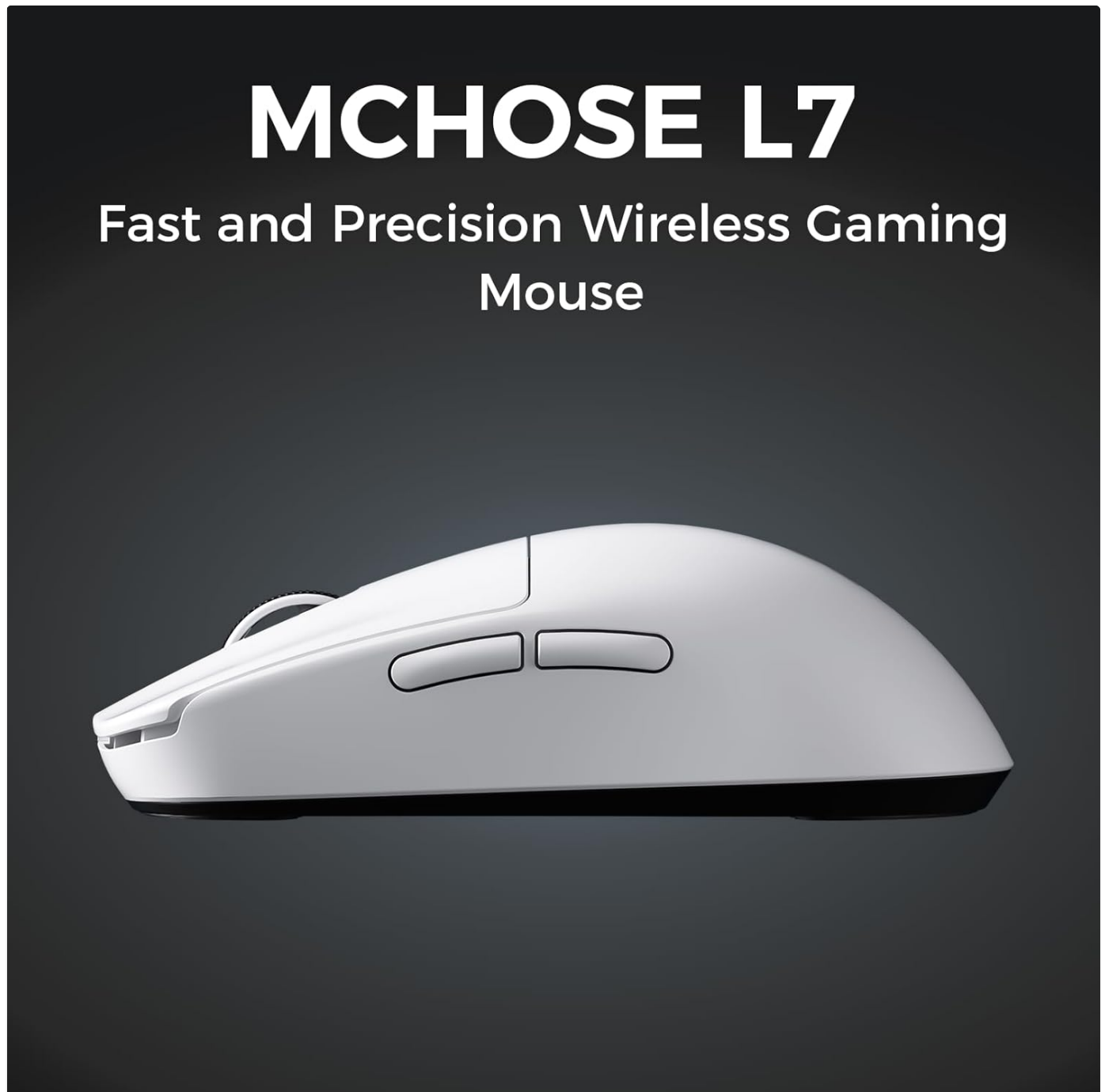

Figure 3: Side View with Button Layout

The mouse includes left click, right click, scroll wheel, two side buttons, and a DPI button (often located on the bottom or top, depending on the model). These buttons can typically be customized using the MCHOSE software.

- **Left Click:** Primary action.
- **Right Click:** Secondary action/context menu.
- **Scroll Wheel:** Scroll up/down, middle click.
- **Side Buttons:** Default to forward/back in web browsers; programmable via software.
- **DPI Button:** Cycles through preset DPI levels (location may vary).

2. DPI Adjustment

The mouse features a PAW3950 sensor with up to 42,000 DPI. DPI (Dots Per Inch) determines the sensitivity of the mouse. Higher DPI means the cursor moves further with less physical mouse movement.

Figure 4: PAW3950 Optical Sensor

The advanced PAW3950 optical sensor provides exceptional tracking accuracy and responsiveness, supporting up to 42,000 DPI for precise control.

To adjust DPI, press the dedicated DPI button (if present) to cycle through preset levels. For fine-tuning and custom DPI stages, use the MCHOSE configuration software.

3. Polling Rate

The MCHOSE L7 Ultra Plus supports up to an 8KHz (8000Hz) polling rate in both wireless and wired modes. Polling rate refers to how often the mouse reports its position to the computer. A higher polling rate results in lower latency and smoother cursor movement.

The polling rate can typically be adjusted via the MCHOSE software. Note that higher polling rates consume more battery power and may require more system resources.

BATTERY AND CHARGING

The mouse is equipped with a 500mAh rechargeable battery. Battery life varies depending on usage, polling rate, and connection mode.

- **Charging:** Connect the mouse to your computer using the provided USB-C cable. The mouse can be used while charging.
- **Battery Indicator:** The mouse may have an LED indicator to show battery status (e.g., blinking for low battery, solid for charging, off for full). Refer to the software for precise battery percentage.
- **Power Saving:** The mouse may enter a low-power sleep mode after a period of inactivity to conserve battery. Move the mouse or click a button to wake it up.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the mouse. For stubborn dirt, a slightly damp cloth can be used, but ensure no moisture enters the mouse. Avoid harsh chemicals or abrasive materials.
- **Sensor Care:** Keep the optical sensor on the bottom 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.
- **UV Coating:** The mouse features a UV coating for a sleek and stain-resistant surface. Handle with care to maintain its finish.

Figure 5: UV Coating for Durability

The UV coating provides a durable and pleasant-to-touch surface that resists stains and fingerprints, ensuring the mouse maintains its aesthetic appeal.

TROUBLESHOOTING

Problem	Possible Solution
Mouse not responding (Wireless)	Ensure the mouse is turned on and in the correct mode (2.4G or BT). Check battery level; charge if low. Ensure the USB receiver is securely plugged into a working USB port. Try a different USB port. Re-pair the mouse with the receiver (if applicable, check software/manual for specific steps). Move the mouse closer to the receiver to reduce interference.

Problem	Possible Solution
Mouse not responding (Bluetooth)	Ensure the mouse is in Bluetooth mode. Check if Bluetooth is enabled on your device. Remove the mouse from your device's Bluetooth list and re-pair it. Try connecting to another Bluetooth-enabled device to isolate the issue.
Jittery or inaccurate tracking	Clean the optical sensor on the bottom of the mouse. Use the mouse on a clean, uniform surface (e.g., a mouse pad). Adjust DPI settings to a suitable level. Check for wireless interference (e.g., other 2.4GHz devices). Ensure the polling rate is set appropriately for your system.
Mouse disconnects frequently	Ensure the mouse is fully charged. Reduce distance between mouse and receiver/device. Check for strong wireless interference sources. Update mouse firmware via MCHOSE software.

SPECIFICATIONS

Feature	Detail
Model	L7 Ultra Plus
Sensor	PAW3950 Optical Sensor
DPI	Up to 42,000 DPI
Polling Rate	Up to 8000Hz (Wireless/Wired)
Connectivity	2.4GHz RF Wireless, Bluetooth, USB Wired (Tri-Mode)
Battery	500mAh Rechargeable
Weight	Approximately 46g (1.62 ounces)
Dimensions	Approximately 4.55 x 2.39 x 0.1 inches (115.62 x 60.61 x 36.04 mm for L7 Ultra 500mAh, based on image)
Main Key Macro Switch	Omron Optical: 70M Clicks

Figure 6: MCHOSE L7 Series Specification Comparison

This table provides a detailed comparison of specifications across different MCHOSE L7 models, including the L7 Ultra Plus.

WARRANTY AND SUPPORT

MCHOSE products are designed for quality and performance. For warranty information, technical support, or customer service inquiries, please refer to the official MCHOSE website or contact your retailer.

You can often find additional resources, software downloads, and firmware updates on the official MCHOSE support page.

Official MCHOSE Store: Visit the MCHOSE Store on Amazon

Related Documents - L7 Ultra Plus

	MCHOSE G3 Series Wireless Mouse User Guide Comprehensive user guide for the MCHOSE G3 Series Wireless Mouse, detailing its features, installation steps for wired, 2.4G RF, and Bluetooth connections, software usage, DPI settings, and power indicator meanings.
	MCHOSE A5 Wireless Mouse User Manual User manual for the MCHOSE A5 Wireless Mouse, detailing dual-mode connection (2.4G and Bluetooth), wired connection, DPI settings, charging instructions, and specifications.
	MCHOSE A7X Ultra Gaming Wireless Mouse User Manual and Guide Comprehensive guide for the MCHOSE A7X Ultra Gaming Wireless Mouse, covering product functions, connection methods (2.4G, Bluetooth, Wired), DPI adjustment, battery status, FCC compliance, and charging instructions.
	MCHOSE G7 Quick Operation Guide - Setup and Connection A concise guide to setting up and connecting the MCHOSE G7 wireless mouse using wired, 2.4G, and wireless modes. Learn about DPI settings and indicator lights.
	MCHOSE K7 Ultra Gaming Wireless Mouse: User Guide and Features Explore the MCHOSE K7 Ultra Gaming Wireless Mouse. This guide covers product functions, wired and wireless connectivity options, DPI adjustments, battery status indicators, driver installation, and charging instructions for optimal performance.
	MCHOSE G3 Mouse Handy Guide: Setup and Connection A concise guide to setting up and connecting your MCHOSE G3 Mouse using wired, 2.4G wireless, and Bluetooth wireless modes. Learn about its features and indicators.