Keychron M7 8K Wireless Mouse

Keychron M7 8K Wireless Mouse User Manual

Model: M7 8K Wireless Mouse

Brand: Keychron

1. INTRODUCTION

The Keychron M7 8K Wireless Mouse is engineered for high-performance and ergonomic comfort, suitable for various computing tasks including work, gaming, and travel. Its lightweight design and advanced sensor technology provide precise and responsive control. The mouse offers versatile connectivity options, including 2.4 GHz wireless, Bluetooth, and wired USB Type-C, adapting to diverse user setups.

Key features include an 8K polling rate for ultra-responsive cursor movements in 2.4G and wired modes, a high-precision PixArt PAW 3950 sensor with adjustable DPI up to 30,000, and a long-lasting rechargeable battery. The ergonomic shape is designed to conform to the palm, ensuring comfortable use over extended periods.

Image: The Keychron M7 8K Wireless Mouse in black, showcasing its ergonomic design and the included USB receiver.

2. PACKAGE CONTENTS

Before beginning, please ensure all items are present in the package:

- 1x Keychron M7 8K Wireless Mouse
- 1x Type-C to Type-C Cable (for wired connection and charging)
- 1x Type-A to Type-C Adapter
- 1x Extension Adapter For Receiver
- 1x Type-A 2.4 GHz Receiver

M7 8K

1x Mouse

Cable & Adapter
1x Type-C to Type-C Cable
1x Type-A to Type-C Adapter
1x Extension Adapter For Receiver

Receivers
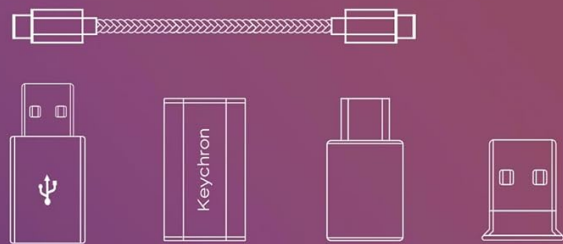1x Type-C 2.4 GHz Receiver

Image: A visual representation of the Keychron M7 8K Wireless Mouse and its accompanying accessories, including cables and adapters.

3. Setup and Connectivity

The Keychron M7 8K Wireless Mouse offers three modes of connection: 2.4 GHz wireless, Bluetooth, and wired USB Type-C. Choose the mode that best suits your needs.

3.1. Charging the Mouse

Before first use, it is recommended to fully charge the mouse. Connect the provided Type-C to Type-C cable to the mouse's USB-C port (located at the front) and to a compatible USB-C power source or computer port. The mouse can also be used in wired mode while charging.

3.2. 2.4 GHz Wireless Connection

1. Locate the 2.4 GHz receiver (USB-A dongle) in the package.
2. Plug the 2.4 GHz receiver into an available USB-A port on your computer. If your computer only has USB-

C ports, use the provided Type-A to Type-C adapter.

3. On the bottom of the mouse, slide the switch to the 'G' (2.4 GHz) position.

4. The mouse should automatically connect to your computer.

3.3. Bluetooth Connection

1. On the bottom of the mouse, slide the switch to the 'B' (Bluetooth) position.

2. On your computer, open Bluetooth settings and search for new devices.

3. Select 'Keychron M7' from the list of available devices to pair.

4. The mouse should now be connected via Bluetooth.

3.4. Wired USB Type-C Connection

1. Connect the provided Type-C to Type-C cable to the mouse's USB-C port.

2. Connect the other end of the cable to a USB-C port on your computer.

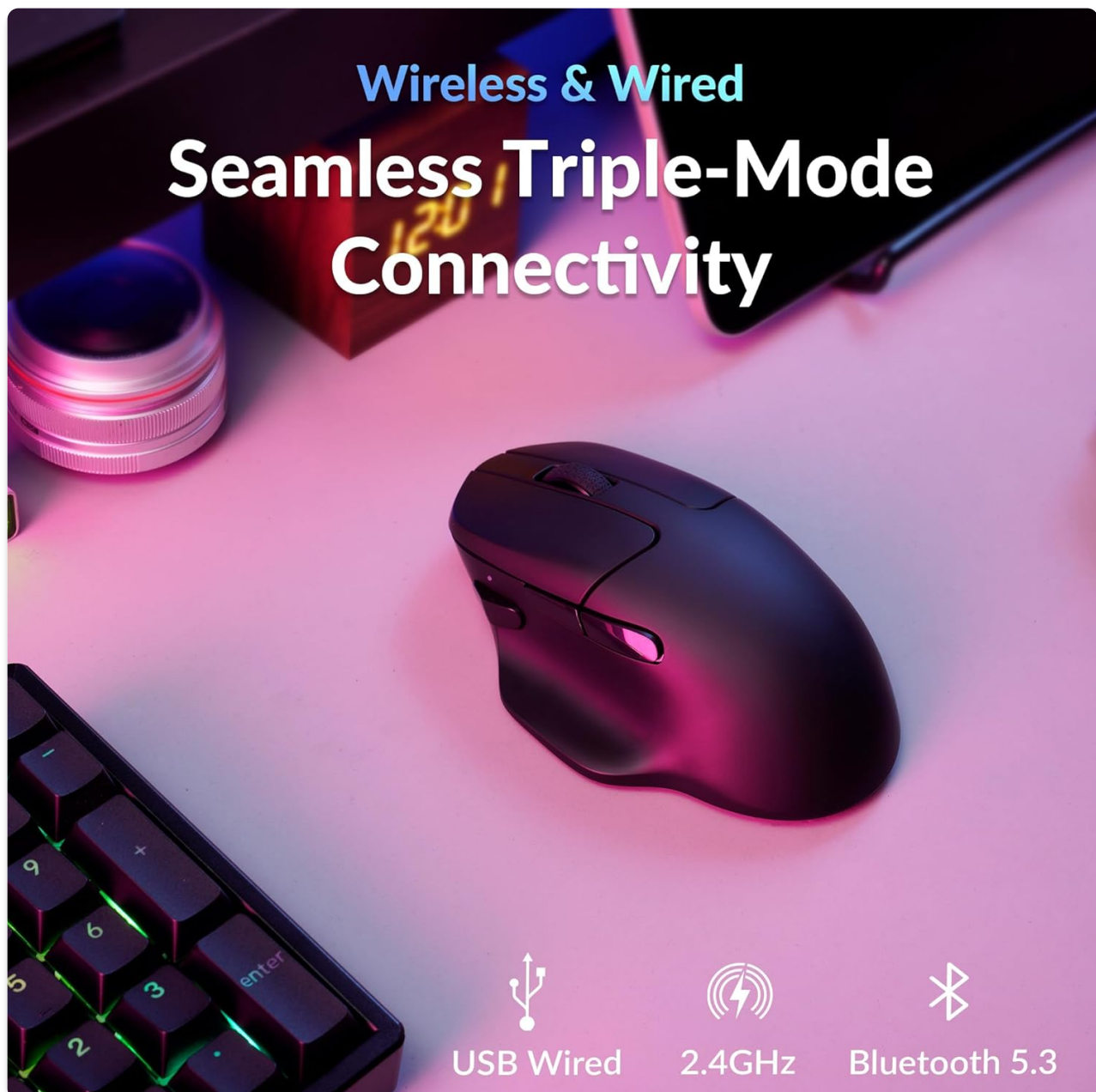3. On the bottom of the mouse, slide the switch to the 'OFF' position. The mouse will operate in wired mode.

Image: The Keychron M7 8K Wireless Mouse on a desk, illustrating its USB Wired, 2.4GHz, and Bluetooth 5.3 connectivity options.

4. OPERATING INSTRUCTIONS

The Keychron M7 8K Wireless Mouse is designed for intuitive use with customizable buttons and adjustable performance settings.

4.1. Basic Functions

- **Left Click:** Primary action button.
- **Right Click:** Secondary action button, typically for context menus.
- **Scroll Wheel:** Scroll up/down documents and web pages. Can also be clicked for middle-click functionality.
- **Side Buttons:** Located on the left side, these are typically configured for 'Forward' and 'Backward' navigation in web browsers or file explorers.
- **Macro Button:** A dedicated button for custom macros, located near the thumb rest.

Image: An annotated diagram of the Keychron M7 8K Wireless Mouse, highlighting the DPI button, 2.4 GHz/OFF/Bluetooth switch, Report Rate button, Scroll Wheel, Left Side Button, and Macro Button.

4.2. DPI and Polling Rate Adjustment

The mouse features dedicated buttons on its underside for adjusting DPI (Dots Per Inch) and polling rate, allowing you to fine-tune cursor sensitivity and responsiveness.

- **DPI Button:** Press to cycle through preset DPI levels. The current DPI level is indicated by LED lights.
- **Report Rate Button:** Press to cycle through polling rates (125Hz, 500Hz, 1000Hz, 8000Hz). Higher polling rates provide smoother and more responsive tracking, especially beneficial for gaming.

5. CUSTOMIZATION WITH KEYCHRON ENGINE SOFTWARE

For advanced customization, download and install the Keychron Engine software from the official Keychron website. This software allows you to remap buttons, create macros, and precisely adjust DPI and polling rate settings.

5.1. Button Function Customization

Within the software, you can reassign functions to any of the mouse buttons, including the left, right, middle, side, and macro buttons. Options include system shortcuts (e.g., opening calculator), multimedia controls, and more.

5.2. Macro Editor

The Macro Editor allows you to record and assign complex sequences of commands to a single button press, enhancing efficiency for repetitive tasks or in-game actions.

5.3. Pointer Settings

Adjust DPI sensitivity with granular control and fine-tune the report rate to match your preferences and system requirements. The software provides visual feedback for current settings.
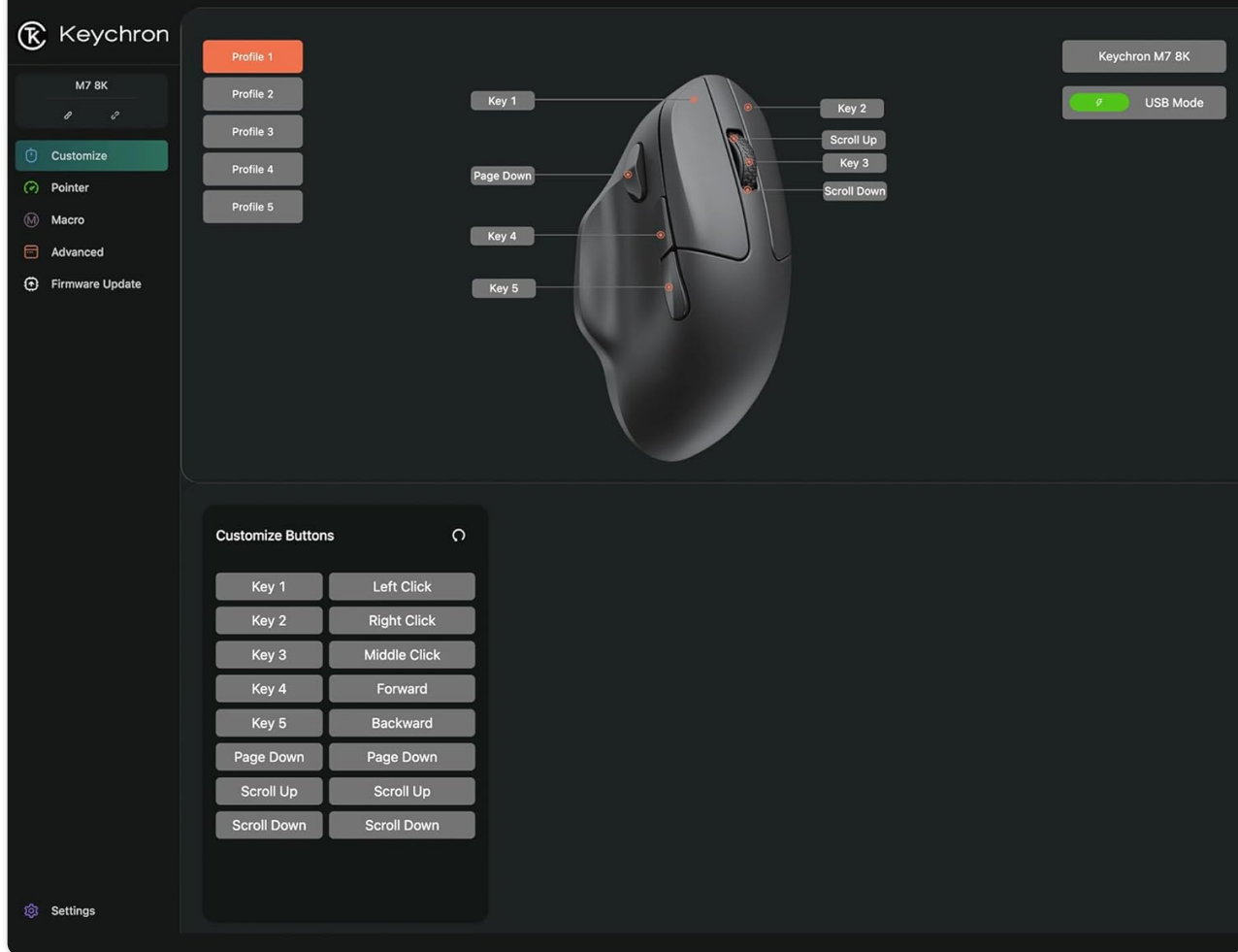
Image: A screenshot of the Keychron Engine software interface, showing options for customizing mouse buttons, pointer settings, and macro creation.

6. SPECIFICATIONS

Feature	Description
Sensor	PixArt PAW 3950 Optical Sensor
DPI (CPI) Range	100 - 30,000
IPS	750
Polling Rate	Max 8000 Hz (2.4GHz / Wired mode), Max 125 Hz (Bluetooth mode)
Click Switch	Huano Micro Switch

Click Switch Lifespan	80 Million Clicks
Connectivity	Bluetooth 5.3 / 2.4 GHz / Wired (USB Type-C)
Battery Life	Up to 140 hours (Bluetooth Mode), Up to 120 hours (1000 Hz at 2.4G Mode), Up to 40 hours (8000 Hz at 2.4G Mode)
Weight	66g (0.146 lb)
System Support	macOS & Windows
Ergonomic Design	Yes, with thumb rest

Version	8K	1K
Sensor	PixArt 3950	PixArt 3395
DPI (CPI) Range	100-30000	100-26000
IPS	750	650
Polling Rate	Max 8000 Hz (2.4GHz / Wired mode) Max 125 Hz (Bluetooth mode)	1000 Hz (2.4 GHz / Wired mode) 125 Hz (Bluetooth mode)
MCU	Realtek 8762G	Telink 8273
Lift Off Distance	0.7mm / 1.0mm / 2.0 mm	1.0 mm / 2.0 mm
Tracks on glass (min. 4 mm thickness)	Yes (max 1KHz report rate)	No
Bluetooth Version	5.3	5.1

Image: A graphic detailing the technical specifications of the Keychron M7 8K Wireless Mouse, including sensor type, DPI range, IPS, polling rate, and Bluetooth version.

7. Maintenance

To ensure the longevity and optimal performance of your Keychron M7 8K Wireless Mouse, follow these maintenance guidelines:

- **Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe the mouse surface. Avoid harsh chemicals or abrasive materials. Use compressed air to clear dust and debris from crevices and around buttons.
- **Sensor Care:** Keep the optical sensor on the underside of the mouse clean and free from obstructions. Dust or debris can affect tracking performance.
- **Battery Care:** To maximize battery lifespan, avoid fully discharging the mouse frequently. Charge the mouse when the battery indicator is low. If storing the mouse for an extended period, charge it to about 50% before storage.
- **Storage:** Store the mouse in a cool, dry place away from direct sunlight and extreme temperatures.

8. Troubleshooting

If you encounter issues with your Keychron M7 8K Wireless Mouse, refer to the following common troubleshooting steps:

- **Mouse not responding:**

    - Ensure the mouse is charged.
    - Check the connection mode switch on the bottom of the mouse (2.4G, Bluetooth, or OFF/Wired).
    - For 2.4 GHz, ensure the receiver is securely plugged into a working USB port. Try a different USB port.
    - For Bluetooth, ensure Bluetooth is enabled on your computer and the mouse is paired. Try unpairing and re-pairing the mouse.
    - Try connecting the mouse via the USB Type-C cable to check if it functions in wired mode.

- **Cursor lag or erratic movement:**

    - Clean the optical sensor on the underside of the mouse.
    - Ensure you are using the mouse on a suitable surface. Avoid highly reflective or transparent surfaces.
    - Adjust the DPI sensitivity using the DPI button or Keychron Engine software.
    - Change the polling rate using the Report Rate button on the mouse's underside or via the software.
    - Ensure there are no strong wireless interferences (e.g., other 2.4 GHz devices) nearby.

- **Battery not charging:**

    - Ensure the USB Type-C cable is securely connected to both the mouse and the power source.
    - Try a different USB port or power adapter.
    - Verify the charging cable is not damaged.

9. Warranty and Support

The Keychron M7 8K Wireless Mouse comes with a manufacturer's warranty. For detailed warranty information, please refer to the warranty card included in your product packaging or visit the official Keychron website. For further assistance, technical support, or to download the latest Keychron Engine software and firmware updates, please visit the Keychron Official Website or refer to the Official User Manual (PDF).