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Keychron Q0 Max

Keychron Q0 Max Wireless Custom Mechanical Numpad User Manual

Model: Q0 Max
Brand: Keychron

1. Introduction

The Keychron Q0 Max is a versatile, full-metal custom number pad designed for enhanced productivity and customization. It features a macro column and a rotary encoder knob, offering extensive functionality beyond standard numeric input. This numpad supports multiple connectivity options including 2.4 GHz wireless, Bluetooth 5.1, and wired USB-C, ensuring compatibility with various operating systems such as macOS, Windows, and Linux.
Built with a durable 6063 aluminum body, the Q0 Max undergoes a meticulous manufacturing process to ensure a solid and premium feel. Its design incorporates advanced acoustic foams and a double-gasket structure to provide a satisfying typing experience with an enhanced 'thock' sound profile. The numpad is also hot-swappable, allowing users to easily change switches without soldering, and comes with durable PBT keycaps.



Image: The Keychron Q0 Max Wireless Custom Mechanical Numpad in white, showcasing its layout with a separate Gateron Brown switch for illustration.

2. Package Contents

Upon unboxing your Keychron Q0 Max, please verify that all the following components are included:

- 1x Fully Assembled Numpad (including Aluminum Case, PCB, Steel Plate, Sound Absorbing Foam, IXPE Foam, PET Film, Latex Bottom Pad, Bottom Case Acoustic Foam, Bottom Case PET Film, 8x Gaskets (6 installed, 2 in box), 3 sets x Stabilizers, 1 set x Keycaps (PBT Double-shot), 1 set x Switches)
- 1x Type-C to Type-C Cable
- 1x Type-A to Type-C Adapter
- 1x Extension Adapter for 2.4 GHz Receiver
- 1x Type-A 2.4 GHz Receiver
- 1x Keycap & Switch Puller
- 1x Screwdriver
- 1x Hex Key

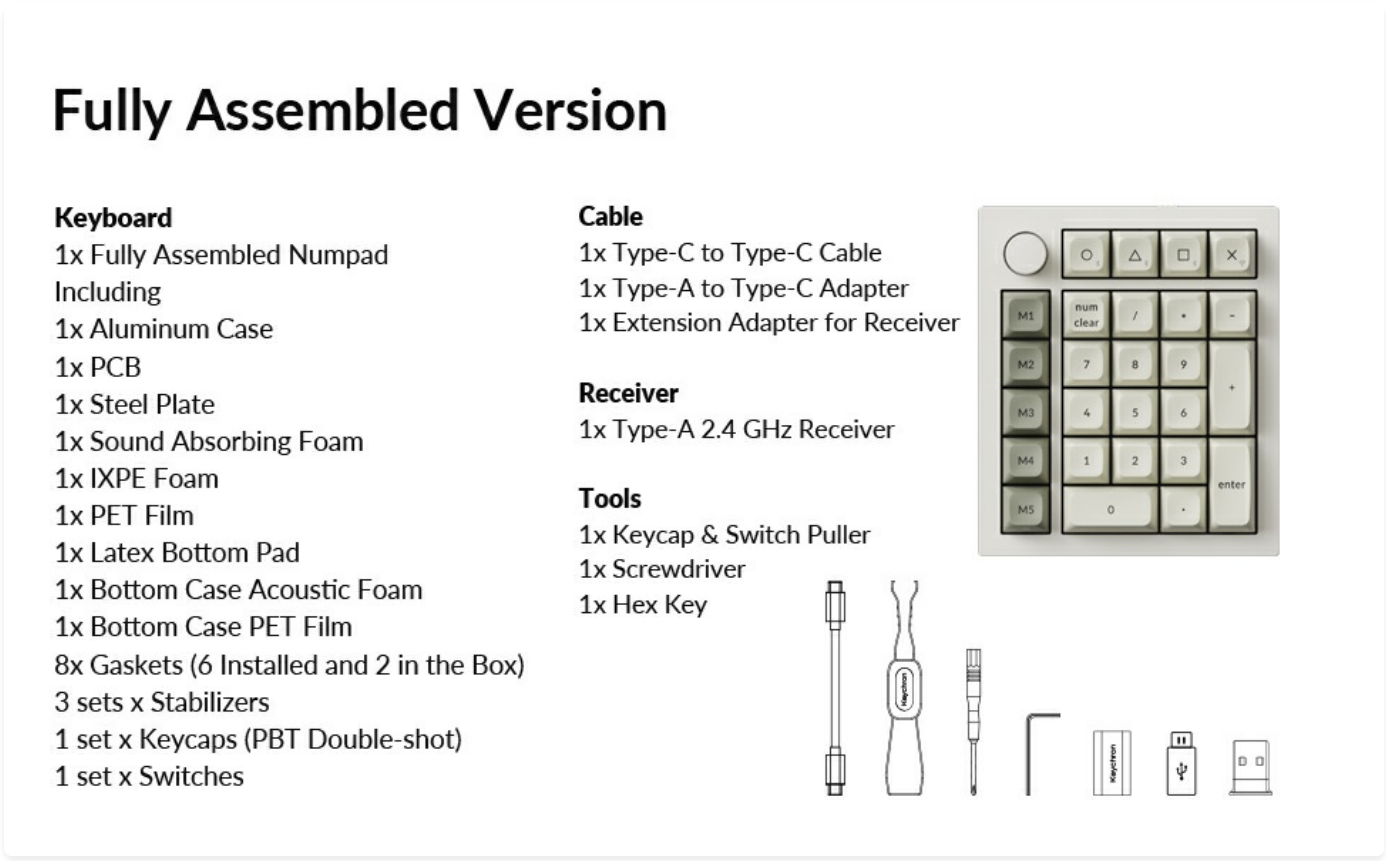


Image: A visual representation of all items included in the Keychron Q0 Max package, detailing the numpad components, cables, receiver, and tools.

3. Setup & Connectivity

The Keychron Q0 Max offers three modes of connection: 2.4 GHz wireless, Bluetooth 5.1, and wired USB-C. Ensure the mode switch located on the back of the numpad is set to the desired connection type.



Image: The Keychron Q0 Max numpad highlighting its tri-mode connectivity options: 2.4 GHz wireless, USB wired, and Bluetooth 5.1, with a close-up of the USB-C port and mode switch.

3.1. 2.4 GHz Wireless Connection

1. Locate the 2.4 GHz USB receiver included in the package.
2. Plug the receiver into an available USB port on your computer. For optimal signal, use the provided extension adapter if the computer's USB port is obstructed or far from the numpad.
3. Slide the mode switch on the back of the Q0 Max to the '2.4G' position.
4. The numpad should automatically connect. If not, press and hold the 'FN' key and '2.4G' key (usually indicated by a wireless icon) for 3 seconds to initiate pairing.

3.2. Bluetooth 5.1 Connection

1. Slide the mode switch on the back of the Q0 Max to the 'BT' position.
2. To enter pairing mode, press and hold the 'FN' key and one of the Bluetooth keys (BT1, BT2, or BT3, usually

indicated by Bluetooth icons) for 3 seconds until the indicator light flashes rapidly.
3. On your computer or device, open Bluetooth settings and search for new devices.
4. Select 'Keychron Q0 Max' from the list of available devices to complete the pairing process.
5. You can pair up to three devices and switch between them by pressing 'FN' + BT1/BT2/BT3.

3.3. Wired USB-C Connection

1. Connect one end of the provided USB-C to USB-C cable (or USB-A to USB-C with adapter) to the USB-C port on the Q0 Max.
2. Connect the other end of the cable to a USB port on your computer.
3. Slide the mode switch on the back of the Q0 Max to the 'Cable' position.
4. The numpad will be recognized as a standard USB input device and will begin charging.

4. Operation & Customization

4.1. QMK/VIA Customization with Keychron Launcher

The Keychron Q0 Max supports QMK/VIA, allowing for extensive customization of key assignments, macros, and lighting effects. Keychron provides a web-based tool called Keychron Launcher for easy configuration.

1. Ensure your Q0 Max is connected to your computer via USB-C cable.
2. Open your web browser and navigate to the Keychron Launcher website (refer to the official Keychron support page for the exact URL).
3. Follow the on-screen instructions to connect your numpad to the web application. This typically involves clicking a 'Connect' button and selecting your device.
4. Within the Keychron Launcher, you can remap any key, create complex macros, adjust RGB lighting patterns, and manage different layers of key configurations.
5. Changes made in the Keychron Launcher are saved directly to the numpad's firmware, meaning your custom settings will work on any device without needing the software running in the background.

Program Q0 Max with Keychron Launcher

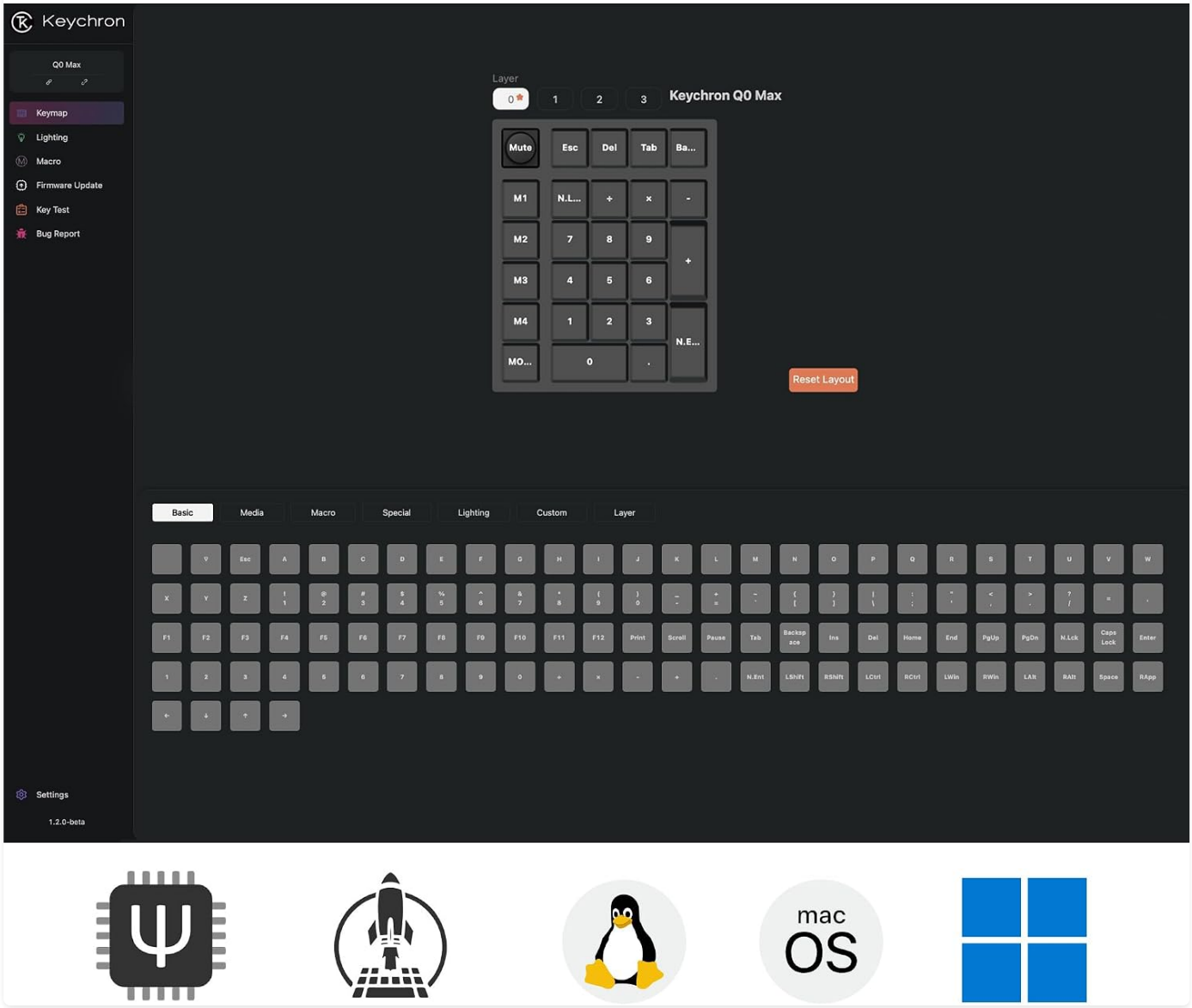


Image: Screenshot of the Keychron Launcher software interface, showing the layout of the Q0 Max numpad and options for key remapping, lighting, and firmware updates.

4.2. Hot-Swappable Switches

The Q0 Max features a hot-swappable PCB, allowing you to change mechanical switches without soldering. This provides flexibility to customize the typing feel and sound.

1. Using the provided switch puller, gently grip the switch you wish to remove.
2. Pull the switch straight up with even pressure until it detaches from the PCB.
3. Align the pins of the new MX-style 3-pin or 5-pin mechanical switch with the holes on the PCB.
4. Gently push the new switch straight down until it clicks into place. Ensure the switch is fully seated and the pins are not bent.



Image: Close-up view of the Keychron Q0 Max numpad with several keycaps removed, revealing the hot-swappable switch sockets and different colored switches (brown, red, yellow) installed.

4.3. RGB Backlighting

The Q0 Max features south-facing RGB backlighting, providing vibrant illumination. Lighting effects can be customized via the Keychron Launcher software.

South-Facing RGB Backlight



Image: Top-down view of the Keychron Q0 Max numpad with its keys illuminated by multi-colored RGB backlighting, demonstrating the south-facing LED placement.

4.4. Programmable Rotary Knob

The rotary encoder knob on the Q0 Max is fully programmable via the Keychron Launcher. By default, it often controls volume (turn) and mute/unmute (press), but it can be assigned to various functions such as scrolling, zooming, or brush size control in creative applications.

Programmable Knob



Image: Close-up view of the programmable rotary knob on the Keychron Q0 Max numpad, located on the top left corner, next to the USB-C port and mode switch.

4.5. Enhanced Acoustic Design

The Q0 Max incorporates multiple layers of acoustic foams, including IXPE, PET, and Latex, along with a double-gasket design and screw-in stabilizers. These elements work in conjunction to absorb sound and vibrations, resulting in a more pleasant and deeper 'thock' sound profile with each keystroke.

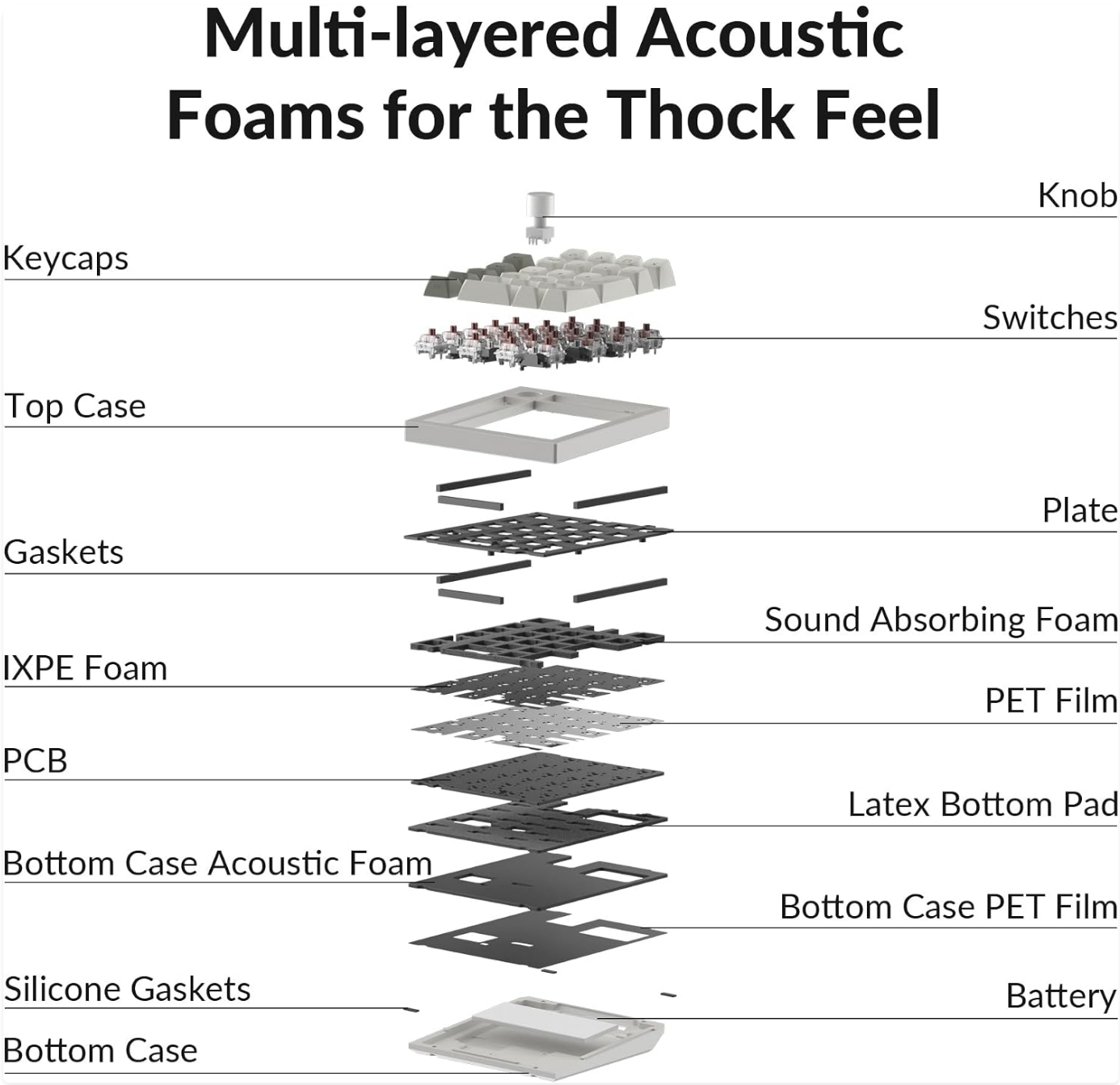


Image: An exploded diagram illustrating the multi-layered internal structure of the Keychron Q0 Max, showing the arrangement of keycaps, switches, top case, gaskets, IXPE foam, PCB, sound absorbing foam, PET film, latex bottom pad, bottom case acoustic foam, bottom case PET film, silicone gaskets, battery, and bottom case.

5. Maintenance

5.1. Cleaning

- **Keycaps:** Use a keycap puller to remove keycaps. Clean them with mild soap and water, then dry thoroughly before reattaching. For surface cleaning, use a soft, lint-free cloth.
- **Case:** Wipe the aluminum case with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the finish.
- **Between Keys:** Use compressed air to remove dust and debris from between the switches. A small brush can also be used for stubborn particles.

5.2. Battery Care

- The Q0 Max uses a Lithium Polymer battery. For optimal battery life, avoid fully discharging the battery frequently.
- Charge the numpad using the provided USB-C cable connected to a standard USB power source (e.g., computer USB port, wall adapter).
- If storing the numpad for an extended period, charge it to approximately 50% before storage.

6. Troubleshooting

6.1. Connectivity Issues

- **Numpad not connecting (2.4 GHz/Bluetooth):** Ensure the mode switch on the back is set correctly. For 2.4 GHz, verify the receiver is securely plugged in. For Bluetooth, ensure the numpad is in pairing mode and your device's Bluetooth is enabled. Try re-pairing the device.
- **Intermittent connection:** Ensure the numpad is within range of your device. Avoid sources of interference (e.g., other wireless devices, large metal objects). Charge the battery if it's low.
- **Wired connection not recognized:** Try a different USB-C cable or USB port on your computer. Ensure the mode switch is set to 'Cable'.

6.2. Keys Not Responding / Incorrect Input

- **Specific keys not working:** If you have recently changed switches, ensure the new switch is fully seated and its pins are not bent. Try re-seating the switch or replacing it with a known working one.
- **All keys not working:** Check the connection mode. If using wireless, ensure the battery is charged. Try restarting your computer.
- **Incorrect key output:** This may be due to custom key assignments. Use the Keychron Launcher to review and reset your keymap if necessary.

6.3. Software / Customization Issues

- **Keychron Launcher not detecting numpad:** Ensure the numpad is connected via USB-C and the mode switch is set to 'Cable'. Refresh the web page or try a different browser.
- **Customizations not saving:** Ensure you are connected to the Keychron Launcher and that the changes are being applied to the correct layer.
- **Concerns about web-based software:** The Keychron Launcher (and VIA/QMK) are widely used open-source tools for keyboard customization. They operate by flashing firmware directly to the device, not by installing persistent software on your computer. Ensure you are using the official Keychron Launcher website for security.

7. Specifications

Brand	Keychron
Model	Q0 Max
Connectivity Technology	Bluetooth 5.1, 2.4 GHz Wireless, USB-C Wired
Number of Keys	26

Keyboard Backlighting Color Support	RGB
Special Features	Screw-In PCB Stabilizers, Backlit, Programmable Keys, Rechargeable, Hot-Swappable
Material	CNC Aluminum
Item Weight	2.31 pounds
Package Dimensions	6.81 x 6.61 x 3.11 inches
Batteries	1 Lithium Polymer battery (included)
Compatible Devices	Laptop (Mac, Windows, Linux)

8. Warranty & Support

8.1. Warranty Information

Keychron products typically come with a limited manufacturer's warranty covering defects in materials and workmanship. Please refer to the official Keychron website or your purchase documentation for specific warranty terms and duration applicable to your region and product model.

8.2. Customer Support

For further assistance, technical support, or warranty claims, please contact Keychron customer service through their official website. You may also find additional resources, FAQs, and firmware updates on the Keychron support pages.
An official User Manual (PDF) is also available for download:Download User Manual (PDF)
This product is sold by the Keychron Store and fulfilled by Amazon.

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