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Keychron HS-K10M-H3

Keychron K10 Max Wireless Mechanical Keyboard User Manual

Brand: Keychron | Model: HS-K10M-H3

1. INTRODUCTION

The Keychron K10 Max is a full-size custom mechanical keyboard designed for versatility and performance. It offers triple connectivity modes: 2.4 GHz wireless, Bluetooth 5.1, and a wired USB-C connection. Featuring QMK/VIA programmability, hot-swappable sockets for easy switch replacement, and vibrant RGB backlighting with durable double-shot PBT keycaps, the K10 Max provides a premium typing experience for Mac, Windows, and Linux users.



Figure 1.1: Keychron K10 Max Wireless Mechanical Keyboard.

Keychron K10 Max



Figure 1.2: Overview of Keychron K10 Max key features including QMK/VIA, RGB, hot-swappable, and connectivity options.

2. SETUP

2.1 Package Contents

- Keychron K10 Max Wireless Mechanical Keyboard
- USB-C to USB-A Cable
- Keycap Puller
- Switch Puller
- User Manual
- Additional Keycaps (for Windows/macOS compatibility)

2.2 Initial Charging

Before first use, it is recommended to fully charge the keyboard. Connect the provided USB-C cable to the keyboard's USB-C port and the other end to a USB power source (e.g., computer USB port or wall adapter). The keyboard features a 4000mAh li-polymer battery.



Figure 2.1: The Keychron K10 Max is equipped with a 4000mAh li-polymer battery.

2.3 Operating System Switch

The K10 Max includes a switch on the top edge to toggle between Windows/Android and macOS/iOS modes. Ensure this switch is set to your operating system for correct key mapping.



Figure 2.2: Switch for Windows/Android and macOS/iOS compatibility.

2.4 Adjustable Typing Angle

The keyboard features three levels of adjustable typing angles (5°, 9.2°, and 12°) for ergonomic comfort. Adjust the feet on the underside of the keyboard to your preferred angle.



Screw-In PCB Stabilizers

The Keychron K2 Pro also supports third-party screw-in PCB stabilizers.

Ergonomic Support

Three levels of adjustable typing angle (5°, 9.2° & 12°).



Figure 2.3: Adjustable feet for ergonomic typing angles.

3. OPERATING INSTRUCTIONS

3.1 Connectivity Modes

The Keychron K10 Max supports three connection types:

- **2.4 GHz Wireless:** For high-performance, low-latency connection, ideal for gaming. Plug the 2.4 GHz receiver into your device. The keyboard boasts a 1000 Hz polling rate in this mode.
- **Bluetooth 5.1:** For seamless multitasking across up to three devices (computer, phone, tablet). Pair the keyboard with your devices via Bluetooth settings.
- **Wired USB-C:** Connect the keyboard directly to your device using the provided USB-C cable. This mode also charges the keyboard.



Figure 3.1: The K10 Max supports 2.4 GHz and Bluetooth wireless connections.

3.2 QMK & Keychron Launcher Customization

The K10 Max is QMK firmware compatible, allowing for extensive customization of key remapping, macros, and shortcuts. Use the Keychron Launcher web app to easily program each key and personalize your keyboard layout.

Figure 3.2: Keychron Launcher web app for QMK programming.

3.3 RGB Backlight

The keyboard features charming RGB backlighting with elegant keycap legends, aiding visibility in dim environments. You can cycle through various RGB lighting effects and static color modes directly on the keyboard using designated key combinations (refer to the quick start guide for specific commands).

4. MAINTENANCE

4.1 Cleaning the Keyboard

To clean your keyboard, disconnect it from all power sources. Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution. For keycaps, you can use the provided keycap puller to remove them and clean them separately with mild soap and water. Ensure keycaps are completely dry before reattaching.

4.2 Hot-Swappable Switches

The K10 Max features hot-swappable sockets, allowing you to change switches without soldering. This enables easy customization or replacement of faulty switches. The PCB supports both 3-pin and 5-pin MX mechanical switches.



Figure 4.1: Close-up of hot-swappable switch sockets.

4.3 Keycap Replacement

The K10 Max comes with durable double-shot PBT keycaps. If you wish to replace them, use the included keycap puller to gently remove the existing keycaps. Align the new keycaps with the switch stems and press down firmly until they are seated.



Figure 4.2: Exploded view illustrating the layers of the Keychron K10 Max, including keycaps and switches.

5. TROUBLESHOOTING

5.1 Connectivity Issues

- **No Connection (Wireless):** Ensure the keyboard is charged. Verify the 2.4 GHz receiver is properly plugged in or Bluetooth is enabled on both devices and the keyboard is in pairing mode. Try re-pairing.
- **No Connection (Wired):** Check the USB-C cable connection at both ends. Try a different USB port or cable.

5.2 Keys Not Responding / Delayed Input / Repeating Keys

- **Individual Keys:** Due to the hot-swappable design, a switch might be improperly seated. Gently remove the keycap and then the switch using the switch puller. Reinsert the switch firmly, ensuring the pins are straight and align with the socket.
- **General Input Issues:** Ensure the keyboard is fully charged. If using wireless, try switching to wired mode to rule out wireless interference. Update keyboard firmware if available from the manufacturer's website.
- **Repeating Keys:** This can sometimes be resolved by cleaning the switch or replacing it if it's faulty.

5.3 Backlight Not Working

- Ensure the backlight is turned on using the designated key combination (refer to the quick start guide).
- Check if the brightness is set to minimum.
- If the keyboard is in a low power state, the backlight might be disabled to conserve battery. Charge the keyboard.

6. SPECIFICATIONS

Feature	Specification
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Brand	Keychron
Model Number	HS-K10M-H3
Connectivity Technology	2.4 GHz, Bluetooth 5.1, Wired (USB-C)
Keyboard Description	Mechanical
Switch Type	Tactile (Brown Switches variant)
Number of Keys	104 (Full Size)
Special Feature	RGB Backlit, Hot-Swappable, Programmable (QMK/VIA)
Compatible Devices	PC (Mac, Windows, Linux)
Battery	4000mAh Li-Polymer
Item Weight	4.53 pounds
Manufacturer	Keychron
Country of Origin	China

7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Keychron website or contact Keychron customer service directly. Details regarding product registration, warranty claims, and troubleshooting guides are typically available on the manufacturer's support pages.

Manufacturer: Keychron

For the most up-to-date support resources, visit the [Keychron Official Website](#).