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› Keychron K10 Version 2 Mechanical Keyboard User Manual

Keychron K10X-H1

Keychron K10 Version 2 Mechanical Keyboard User Manual

Model: K10X-H1

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1. INTRODUCTION

This manual provides instructions for the Keychron K10 Version 2 QMK Wireless Mechanical Gaming Keyboard. The K10 Version 2 is a full-size, hot-swappable mechanical keyboard designed for both Mac and Windows users, offering wireless Bluetooth and wired USB-C connectivity, RGB backlighting, and QMK firmware for extensive customization.



Figure 1.1: Keychron K10 Version 2 Mechanical Keyboard.

2. SETUP

2.1 Unboxing and Package Contents

Carefully remove the keyboard and all accessories from the packaging. The package should include the Keychron K10 Version 2 keyboard, a USB-C to USB-A cable, a keycap puller, a switch puller, and a user manual.

2.2 Wired Connection

1. Connect the USB-C end of the provided cable to the USB-C port on the keyboard.
2. Connect the USB-A end of the cable to an available USB port on your computer.
3. Ensure the keyboard's mode switch (located on the back or side) is set to 'Cable' or 'Wired' mode.
4. The keyboard will be automatically recognized by your operating system.

2.3 Wireless Bluetooth Connection

1. Ensure the keyboard's mode switch is set to 'Bluetooth' or 'Wireless' mode.
2. To enter pairing mode, press and hold the 'Fn' + '1' (or 'Fn' + '2' or 'Fn' + '3') key combination for 4 seconds until the '1' (or '2' or '3') key backlight flashes rapidly. This indicates the keyboard is ready to pair.
3. On your computer or device, navigate to Bluetooth settings and search for new devices.
4. Select 'Keychron K10 V2' from the list of available devices.
5. If prompted, enter the pairing code displayed on your screen using the keyboard and press 'Enter'.
6. The '1' (or '2' or '3') key backlight will stop flashing and remain solid, indicating successful pairing.
7. The keyboard supports connecting up to 3 devices. Use 'Fn' + '1', 'Fn' + '2', or 'Fn' + '3' to switch between paired devices.



Connects up to 3 devices



Figure 2.1: Multi-device Bluetooth connectivity.

2.4 Operating System Switch

The K10 Version 2 keyboard has a switch to select between Mac and Windows layouts. Locate the OS switch on the back or side of the keyboard and set it to your desired operating system. This ensures correct key mapping for function keys and modifier keys.

Hot-swappable



Figure 2.2: Mac and Windows layout indicators.

2.5 Adjustable Feet

The keyboard features two levels of adjustable feet, allowing you to set the typing angle to 7.7° or 11° for ergonomic comfort. Adjust the feet to your preferred typing position.

1 Num Lock
Indicator

2 Caps Lock
Indicator

3 Mac
Layout

4 Windows
Layout



Figure 2.3: Adjustable keyboard feet for ergonomic support.

3. OPERATING THE KEYBOARD

3.1 Key Functions and Customization (QMK)

The Keychron K10 Version 2 supports QMK firmware, enabling extensive key remapping, macro creation, and custom shortcuts. You can customize each key using the Keychron Launcher web application.

- **Function Keys:** Use the 'Fn' key in combination with F1-F12 for multimedia controls and other system functions.
- **QMK Customization:** Access the Keychron Launcher web app (refer to Keychron's official website for the link) to remap keys, create macros, and configure layers.



Figure 3.1: Keychron Launcher web app for QMK customization.

3.2 Backlight Control (RGB)

The keyboard features RGB backlighting. Use the dedicated backlight key (usually located above the number pad or near the F-keys) to cycle through different lighting effects. Use 'Fn' + arrow keys or other designated key combinations to adjust brightness and color.

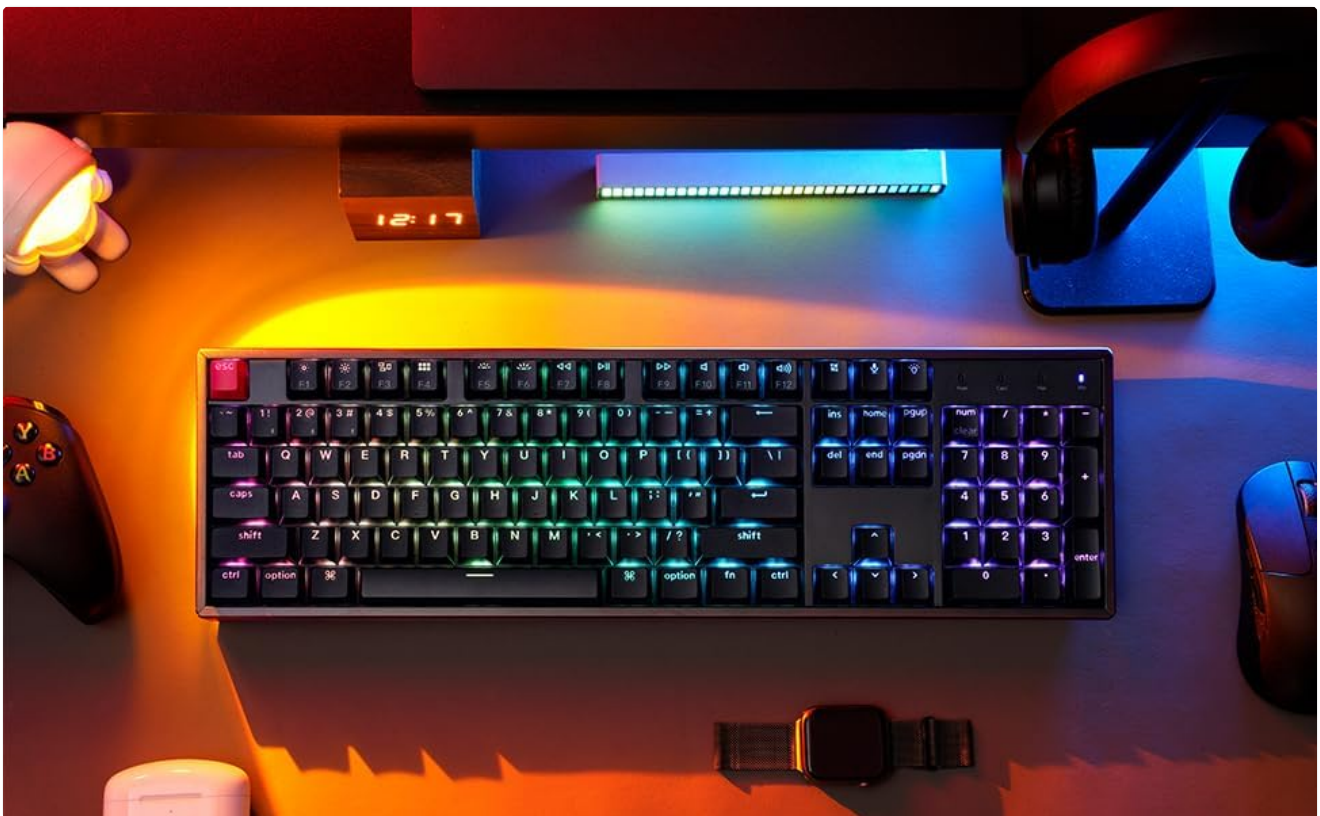


Figure 3.2: RGB Backlighting in operation.

3.3 Hot-Swappable Switches

The K10 Version 2 is hot-swappable, allowing you to change mechanical switches without soldering. This feature supports most 3-pin and 5-pin MX mechanical switches.

1. **Removing Switches:** Use the provided switch puller to carefully grip the top and bottom clips of the switch and pull it straight up.

2. **Installing Switches:** Align the pins of the new switch with the holes on the PCB. Gently push the switch down until it clicks into place. Ensure the pins are not bent.

Ergonomic Support

Three levels of adjustable typing angle (3.5°, 7.7° & 11°) and curved Cherry-profile keycaps are all working together to provide long-lasting ergonomic support for your wrist.



 7.7° / 11°

Figure 3.3: Hot-swappable switch mechanism.

4. MAINTENANCE

4.1 Cleaning the Keyboard

Regular cleaning helps maintain keyboard performance and appearance.

- **General Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe the keycaps and case. Avoid excessive moisture.
- **Deep Cleaning:** For thorough cleaning, remove keycaps using the keycap puller. Use compressed air to remove dust and debris from between the switches. Clean individual keycaps with a mild soap solution, rinse, and dry completely before reattaching.

4.2 Battery Care

The K10 Version 2 features a 4000mAh battery. To prolong battery life:

- Avoid fully discharging the battery frequently.
- Store the keyboard in a cool, dry place if not used for extended periods.
- Charge the keyboard using the provided USB-C cable connected to a standard USB power source.

5. TROUBLESHOOTING

5.1 Connectivity Issues

- **Bluetooth not connecting:** Ensure the keyboard is in Bluetooth mode and in pairing mode (Fn + 1/2/3 for 4 seconds). Check your device's Bluetooth settings. Try forgetting the device and re-pairing.
- **Wired connection not working:** Ensure the cable is securely connected to both the keyboard and the computer. Verify the keyboard is in wired mode. Try a different USB port or cable.

5.2 Keys Not Responding

- **Single key:** If a single key is not responding, carefully remove the keycap and then the switch using the switch puller. Inspect the switch pins for bends or damage. Reinsert the switch firmly, ensuring proper alignment.
- **Multiple keys:** Ensure the keyboard is properly connected (wired or wireless). Check the OS switch setting. If the issue persists, a firmware reset or update may be necessary.

5.3 Backlight Issues

- **Backlight off:** Press the backlight key to cycle through effects. Adjust brightness using 'Fn' + arrow keys. Ensure the battery has sufficient charge if in wireless mode.
- **Inconsistent lighting:** This could indicate a software issue or a faulty LED. Try resetting the keyboard or updating firmware.

5.4 Firmware Updates

Keychron periodically releases firmware updates to improve performance and add features. Visit the official Keychron website for the latest firmware and instructions on how to update your K10 Version 2 keyboard.

6. SPECIFICATIONS

Feature	Detail
Brand	Keychron
Model Name	K10X-H1

Connectivity Technology	USB-C, Bluetooth 5.1
Keyboard Description	Ergonomic, Full Size
Recommended Uses	Gaming, Office
Special Features	Backlit (RGB), Hot-Swappable, Hotkeys and Media Keys, Programmable Keys (QMK)
Color	Red Switch (variant)
Material	Plastic
Included Components	Keyboard, Mouse (Note: Mouse is typically not included with keyboard, check package contents)
Power Source	Wired and Wireless (4000mAh battery)
Switch Type	Linear (Super Red Mechanical Switches)
Keyboard Layout	QWERTY (104 keys)
Compatible Operating System	Mac, Windows
Manufacturer	Keychron

7. WARRANTY & SUPPORT

7.1 Warranty Information

Keychron products typically come with a limited manufacturer's warranty. The duration and terms of the warranty may vary by region and retailer. Please refer to the warranty card included with your product or visit the official Keychron website for detailed warranty information.

7.2 Customer Support

For technical assistance, troubleshooting, or general inquiries, please contact Keychron customer support through their official website. You can usually find contact information, FAQs, and support resources on the 'Support' or 'Contact Us' section of the Keychron website.

Official Website: www.keychron.com