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Keychron V5 Max

Keychron V5 Max Custom Wireless Mechanical Gaming Keyboard User Manual

Model: V5 Max

Introduction

This manual provides comprehensive instructions for the Keychron V5 Max Custom Wireless Mechanical Gaming Keyboard. It covers setup, operation, maintenance, and troubleshooting to ensure optimal performance and user experience. The V5 Max is a 96% layout keyboard featuring QMK/VIA compatibility, 2.4 GHz wireless, Bluetooth 5.1, and wired connectivity options.

1. Setup

1.1 Package Contents

Verify that all items are present in the package:

- 1x Fully Assembled Keyboard (including Case, PCB, PC Plate, Sound Absorbing Foam, 4 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 Receiver
- 1x Type-A 2.4GHz Receiver
- 1x Type-C 2.4GHz Receiver
- 1x Keycap & Switch Puller
- 1x Screwdriver
- 1x Hex Key



Image: Keychron V5 Max keyboard shown with its 2.4 GHz wireless dongle, representing some of the included accessories.

1.2 Initial Connection

The Keychron V5 Max supports three connection modes: 2.4 GHz wireless, Bluetooth 5.1, and wired (USB-C).

- **2.4 GHz Wireless:** Insert the 2.4 GHz receiver (Type-A or Type-C) into your device's USB port. Toggle the keyboard switch to 2.4G mode.
- **Bluetooth 5.1:** Toggle the keyboard switch to Bluetooth mode. On your device, search for "Keychron V5 Max" in Bluetooth settings and pair. The keyboard can store up to 3 Bluetooth devices.
- **Wired (USB-C):** Connect the keyboard to your device using the provided Type-C to Type-C cable or Type-A to Type-C adapter. Toggle the keyboard switch to Cable mode.



Image: The Keychron V5 Max keyboard on a desk, illustrating its 2.4 GHz wireless, Bluetooth, and wired USB-C connectivity options.

1.3 System Compatibility

The V5 Max is compatible with macOS, Windows, and Linux operating systems. Use the system toggle switch located on the keyboard to select the appropriate operating system mode (Mac/Windows). An additional set of customized keycaps for both Windows and macOS systems is included for convenience.

2. Operating Instructions

2.1 QMK/VIA Customization

The V5 Max supports QMK/VIA for advanced key remapping and macro programming. To customize your keyboard:

1. Connect the keyboard to your device via the USB-C cable.
2. Open the Keychron Launcher web app (QMK based VIA software).
3. Drag and drop desired keys or macro commands to remap any key.



Image: A Keychron V5 Max keyboard displayed alongside a laptop screen showing the QMK/VIA software interface for key remapping and macro commands.

2.2 Hot-Swappable Switches

The V5 Max features hot-swappable sockets, allowing you to change switches without soldering. It supports almost all 3-pin and 5-pin MX style mechanical switches. Use the included keycap and switch puller for safe removal and installation.

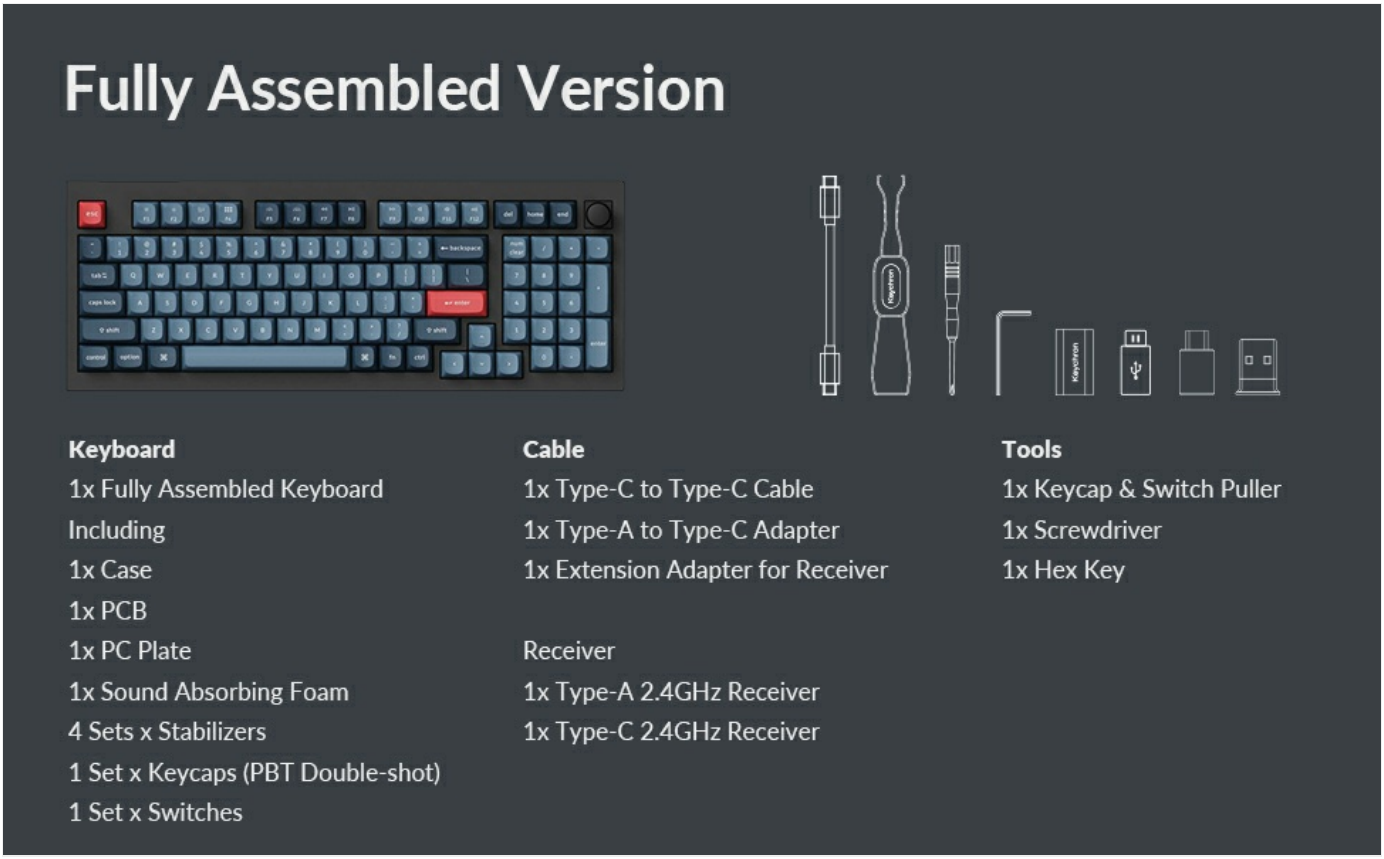


Image: A close-up view of the Keychron V5 Max keyboard demonstrating its hot-swappable feature, with several keycaps and switches removed to reveal the sockets.

2.3 RGB Backlighting

The keyboard features south-facing RGB LED lights. Lighting effects and brightness can be adjusted using specific key combinations or through the QMK/VIA software.

3. Maintenance

3.1 Cleaning

To clean your keyboard:

- Disconnect the keyboard from all power sources.
- Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe the keycaps and case.
- For deeper cleaning, remove keycaps using the included puller and use compressed air to clear debris from between switches.
- Avoid spraying liquids directly onto the keyboard.

3.2 Switch and Keycap Replacement

The hot-swappable design allows for easy replacement of switches and keycaps. Use the provided tools to prevent damage. Gently pull keycaps straight up with the keycap puller. For switches, use the switch puller to grasp the switch firmly and pull upwards. Align new switches carefully with the pins before pressing them into the socket.



Image: An exploded diagram illustrating the various customizable components of the Keychron V5 Max keyboard, including keycaps, knob, switches, top case, gaskets, plate, sound-absorbing foam, PET film, PCB, case foam, battery, and bottom case.

3.3 Battery Information

The keyboard contains a rechargeable Lithium Polymer battery. Charge the keyboard using the provided USB-C cable connected to a computer or a standard USB power adapter. Avoid exposing the battery to extreme temperatures or physical damage.

4. Troubleshooting

4.1 Connectivity Issues

- **2.4 GHz:** Ensure the receiver is securely plugged in and the keyboard is in 2.4G mode. Try a different USB port or restart your device.
- **Bluetooth:** Confirm the keyboard is in Bluetooth mode and discoverable. Remove previous pairings from your device and re-pair. Ensure no other Bluetooth devices are causing interference.
- **Wired:** Check the USB-C cable connection at both ends. Try a different cable or USB port. Ensure the keyboard is in Cable mode.

4.2 Keys Not Responding

- Check if the keyboard is properly connected in the selected mode.
- If a specific key is not working, try removing and re-inserting its switch. If the issue persists, replace the switch.
- Ensure the correct operating system mode (Mac/Windows) is selected via the toggle switch.

4.3 Backlight Issues

- Adjust backlight brightness and effects using keyboard shortcuts or VIA software.
- Ensure the keyboard battery has sufficient charge if operating wirelessly.

5. Specifications

Brand	Keychron
Model	V5 Max
Layout	96%
Connectivity	2.4 GHz Wireless, Bluetooth 5.1, USB-C Wired
Switches	Hot-swappable (3-pin & 5-pin MX style)
Keycaps	OSA profile double-shot PBT
Backlighting	RGB (South-facing)
Compatibility	macOS, Windows, Linux
Battery	Lithium Polymer (included)
Item Weight	3.59 pounds
Package Dimensions	17.25 x 8 x 2.75 inches

Some Differences Between the V5 Max and V5		
	V5 Max	V5
Connectivity	2.4 GHz, Bluetooth, and Wired	Wired
Plate	PC	Steel
Mount Design	Gasket Mount	Tray Mount
MCU Storage	256KB	128KB

Image: A close-up of a Gateron Jupiter switch, highlighting features such as factory pre-lubrication, long operation life, and a dust-proof wall design.

6. Warranty Information

Keychron products typically come with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Keychron website. Keep your proof of purchase for warranty claims.

7. Customer Support

For further assistance, technical support, or to report issues, please visit the official Keychron support page. You can often find FAQs, driver downloads, and contact information there.
Official Keychron Website: www.keychron.com

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