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› Keychron V5 Wired Custom Mechanical Keyboard User Manual

## Keychron V5

# Keychron V5 Wired Custom Mechanical Keyboard

## USER MANUAL

### Introduction

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your Keychron V5 Wired Custom Mechanical Keyboard. The Keychron V5 is a 96% layout keyboard featuring QMK/VIA programmability, hot-swappable switches, double-shot PBT keycaps, and compatibility with macOS, Windows, and Linux systems.

### Package Contents

Please verify that all items are present in your package:

- Keychron V5 Wired Custom Mechanical Keyboard
- USB-C to USB-C Cable
- USB-A to USB-C Adapter
- Keycap Puller
- Switch Puller
- Additional Keycaps for Windows/macOS

### Setup

#### Connecting the Keyboard

To connect your Keychron V5 keyboard:

1. Locate the USB-C port on the back of the keyboard.

2. Connect one end of the provided USB-C to USB-C cable to the keyboard.
3. Connect the other end of the cable to a USB-C port on your computer. If your computer only has USB-A ports, use the provided USB-A to USB-C adapter.
4. The keyboard will be recognized automatically by your operating system.

## System Toggle (Mac/Windows)

The Keychron V5 includes a system toggle switch to ensure full compatibility with both macOS and Windows operating systems. This switch is typically located on the back or side of the keyboard.

To switch between operating systems:

1. Locate the 'Win/Mac' toggle switch.
2. Slide the switch to the 'Mac' position for macOS or 'Win' position for Windows.
3. The keyboard will adjust its key mappings accordingly.

# FULLY CUSTOMIZABLE

## Customize each keys and macros through the VIA with ease

Remap Each Key

Macro Commands

Image: Side view of the Keychron V5 keyboard, highlighting the system toggle switch and USB-C port for system compatibility.

## Ergonomic Angle Adjustment

The keyboard features adjustable feet to customize the typing angle for improved ergonomics.

To adjust the typing angle:

1. Flip the keyboard over to access the feet on the underside.
2. Gently pull out the feet to extend them to your desired angle. There are usually two levels of adjustment.



## ERGONOMIC ANGLE DESIGN

Image: The Keychron V5 keyboard with its adjustable feet extended, demonstrating the ergonomic angle design.

### Operating Instructions

#### Key Functions and Layout

The Keychron V5 features a 96% layout with 97 keys, efficiently retaining function keys and a num pad while saving desk space. The keyboard comes with pre-installed double-shot PBT keycaps in an OSA profile, designed for a comfortable fingertip feel and excellent oil resistance.

# HOT-SWAPPABLE SWITCH

The PCB supports both 3 pin and 5 pin MX mechanical switches



Image: A complete view of the Keychron V5 keyboard, showcasing its 96% layout and keycap design.

## QMK/VIA Customization

The Keychron V5 supports QMK/VIA firmware, allowing for comprehensive customization of key mappings, macros, and backlight effects. VIA is a graphical user interface that simplifies the programming process.

To customize your keyboard:

1. Download the VIA software from the official Keychron website or the VIA GitHub repository.
2. Connect your keyboard to your computer.
3. Launch the VIA software. The software should automatically detect your Keychron V5.
4. Use the intuitive interface to remap keys, create macros, and adjust lighting settings across multiple layers.

For detailed instructions on using QMK/VIA, refer to the official Keychron documentation or community guides.



Image: A visual representation of the VIA software interface, demonstrating how users can customize key layouts and macros for the Keychron V5.

## Programmable Knob

The Keychron V5 features a programmable rotary knob, which can be customized via QMK/VIA to control various functions such as volume, zoom, or scrolling.

To customize the knob's function:

1. Open the VIA software.
2. Navigate to the knob customization section.
3. Assign desired functions for clockwise rotation, counter-clockwise rotation, and pressing the knob.

# PROGRAMMABLE KNOB



Image: A close-up view of the programmable rotary knob on the Keychron V5 keyboard, highlighting its textured surface.

## Hot-swappable Switches

The Keychron V5 is equipped with hot-swappable sockets, allowing you to change mechanical switches without soldering. It supports most 3-pin and 5-pin MX mechanical switches (e.g., Cherry, Gateron, Kailh, Panda).

The keyboard comes with pre-lubed K Pro Red linear switches, offering a smooth and responsive typing experience with a lifespan of up to 50 million keystrokes.



Image: A detailed view of the hot-swappable mechanical switches on the Keychron V5 keyboard, illuminated by RGB backlighting.

### **Backlighting**

The V5 features south-facing RGB backlighting, designed to better illuminate the keyboard from the typist's angle and prevent interference when using Cherry-profile keycaps. You can customize the backlight effects and colors using the VIA software.

# DOUBLE-SHOT PBT KEYCAPS



Image: A close-up of the double-shot PBT keycaps on the Keychron V5 keyboard, showcasing their texture and legends.

## Maintenance

### Cleaning

To maintain the cleanliness and longevity of your keyboard:

- **Keycaps:** Use a keycap puller to remove keycaps. Clean them with a mild soap solution and a soft cloth, then rinse and dry thoroughly before reattaching.
- **Keyboard Body:** Wipe the keyboard body with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials.
- **Dust:** Use compressed air to remove dust and debris from between the keycaps and switches.

### Switch Replacement

To replace a switch:

1. Using the provided keycap puller, carefully remove the keycap from the switch you wish to replace.

2. Insert the switch puller tool around the top and bottom clips of the switch.
3. Gently squeeze the clips and pull the switch straight up to remove it from the PCB.
4. Align the pins of the new switch with the holes on the PCB. Ensure the pins are straight.
5. Press the new switch firmly into place until it clicks. Ensure it is seated properly and not bent.
6. Reattach the keycap.

## Keycap Replacement

To replace keycaps:

1. Use the keycap puller to gently remove the existing keycap by hooking it onto the keycap and pulling upwards.
2. Align the new keycap with the cross-shaped stem of the switch.
3. Press the new keycap firmly down until it is fully seated.

## Troubleshooting

- **Keyboard Not Responding:**

Ensure the USB cable is securely connected to both the keyboard and the computer. Try a different USB port or cable. Verify the system toggle switch is set correctly for your operating system.

- **Keys Not Registering:**

If specific keys are not working, the switch might be faulty or not fully seated. Try removing and re-inserting the switch. If the issue persists, replace the switch.

- **Backlighting Issues:**

Check VIA software settings to ensure backlighting is enabled and configured correctly. If only certain LEDs are not working, it might indicate a faulty LED or switch.

- **QMK/VIA Software Not Detecting Keyboard:**

Ensure the keyboard is connected via USB. Close and reopen the VIA software. Make sure you have the correct firmware loaded if you have flashed custom firmware.

- **Keycaps Feel Loose:**

Ensure keycaps are fully pressed onto the switch stems. If a keycap consistently feels loose, the switch stem might be damaged, or the keycap's cross-mount might be worn.

## Specifications

Feature	Specification
Brand	Keychron
Model	V5
Keyboard Description	Mechanical
Keyboard Layout	QWERTY, 96% Layout (97 Keys)

Feature	Specification
Connectivity Technology	Wired (USB-C)
Compatible Devices	PC (macOS, Windows, Linux)
Switch Type	Linear (K Pro Red)
Hot-swappable Support	Yes (3-pin and 5-pin MX mechanical switches)
Keycaps	Double-shot PBT, OSA Profile
Backlight	South-facing RGB
Enclosure Material	Polybutylene Terephthalate, Silicone
Additional Features	QMK/VIA Programmable, Programmable Knob, Screw-in Stabilizers

## Warranty and Support

Keychron products are typically covered by a limited warranty. For specific warranty terms, duration, and conditions, please refer to the warranty information provided with your product packaging or visit the official Keychron website.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact Keychron customer service through their official website's support portal. When contacting support, please have your product model (Keychron V5) and purchase details ready.