

Keychron Keychron V6

Keychron V6 Wired Custom Mechanical Keyboard Knob Version User Manual

Model: Keychron V6

1. INTRODUCTION

This manual provides detailed instructions for the Keychron V6 Wired Custom Mechanical Keyboard Knob Version. The Keychron V6 is a full-sized mechanical keyboard featuring QMK/VIA programmability, hot-swappable switches, and compatibility with Mac, Windows, and Linux operating systems. It is designed for users seeking a customizable and responsive typing experience.



Image 1.1: Keychron V6 Wired Custom Mechanical Keyboard, showcasing its full-size layout and integrated knob.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1x Fully Assembled Keyboard (including PCB, Steel Plate, Sound Absorbing Foam, Case Silicone Pad, Stabilizers, Keycaps, Switches)
- 1x Type-C to Type-C Cable
- 1x Type-A to Type-C Adapter
- 1x Switch Puller
- 1x Keycap Puller
- 1x Screwdriver
- 1x Hex Key



Image 2.1: Diagram illustrating the components included with the Keychron V6 keyboard.

3. SETUP

3.1 Connecting the Keyboard

1. Locate the USB-C port on the back of the Keychron V6 keyboard.
2. Connect one end of the provided Type-C to Type-C cable to the keyboard.
3. Connect the other end of the cable to an available USB-C port on your computer. If your computer only has USB-A ports, use the provided Type-A to Type-C adapter.
4. The keyboard will be automatically recognized by your operating system.



Image 3.1: Close-up view of the USB-C cable connected to the Keychron V6 keyboard.

3.2 System Compatibility

The Keychron V6 is compatible with both macOS and Windows systems. A system toggle switch is located on the back of the keyboard to select the appropriate operating system layout. Ensure the switch is set to your computer's operating system for correct key mapping.

4. OPERATING INSTRUCTIONS

4.1 Key Functions

The Keychron V6 features a full-size 108-key layout. Standard alphanumeric keys, function keys (F1-F12), navigation keys, and a numeric keypad are present. Specific multimedia functions may be accessed via the function row in combination with the 'Fn' key, depending on your operating system and customization.

4.2 QMK/VIA Customization

The Keychron V6 supports QMK/VIA firmware, allowing for extensive customization of key assignments, macros, and lighting effects. To customize your keyboard:

1. Download the VIA software from the official Keychron website.
2. Connect your Keychron V6 keyboard to your computer.
3. Launch the VIA software. The software should automatically detect your keyboard.
4. Use the graphical interface to remap keys, create macros, and adjust lighting settings across different layers.

CREATE YOUR OWN FULLY CUSTOMIZABLE KEYBOARD

Customize each keys and macros through the VIA software with ease



✓ Remap Each Key

✓ Macro Commands

Image 4.1: Screenshot of the VIA software interface, demonstrating key remapping and macro programming capabilities for the Keychron V6.

4.3 Hot-swappable Switches

The Keychron V6 features hot-swappable sockets, allowing you to change mechanical switches without soldering. This enables customization of typing feel and sound.

1. Using the provided keycap puller, carefully remove the desired keycap.
2. Using the provided switch puller, gently grip the switch from its top and bottom clips.
3. 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.
6. Replace the keycap.

HOT-SWAPPABLE SWITCH

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



Image 4.2: A hand demonstrating the removal of a mechanical switch from the Keychron V6 keyboard using a switch puller.

4.4 Programmable Knob

The integrated knob on the Keychron V6 is programmable via VIA software. By default, it controls system volume: rotate clockwise to increase volume, counter-clockwise to decrease volume, and press down to mute/unmute audio.

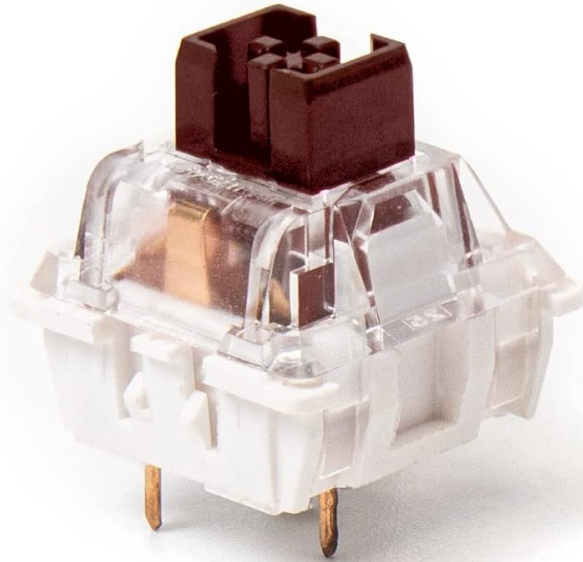


PROGRAMMABLE KNOB

Image 4.3: Close-up of the programmable knob on the Keychron V6 keyboard, highlighting its textured surface.

4.5 Backlighting

The Keychron V6 features south-facing RGB backlighting, which can be customized using the VIA software. This design helps prevent interference with Cherry-profile keycaps and enhances illumination from the typist's perspective.



KEYCHRON K PRO BROWN SWITCH (TACTILE)

50 ± 10 gf

Operating Force

2 ± 0.4 mm

Pre-travel

4 ± 0.4 mm

Travel Distance

Image 4.4: View of the Keychron V6 keyboard with RGB backlighting active, illuminating the switches.

4.6 Keycaps

The keyboard comes with double-shot PBT keycaps in an OSA profile. Double-shot PBT keycaps are known for their durability and resistance to shine from prolonged use. The OSA profile offers a comfortable and ergonomic typing experience.

5. MAINTENANCE

To maintain the keyboard's appearance and functionality:

- ## 5.2 Switch and Keycap Replacement

Refer to Section 4.3 for detailed instructions on replacing switches and keycaps. Ensure proper tools (keycap puller, switch puller) are used to prevent damage.

Disassembling and Assembling with Ease



Image 5.1: Exploded view diagram of the Keychron V6, illustrating its modular components for easy disassembly and maintenance.

6. TROUBLESHOOTING

- **Keyboard Not Responding:** Ensure the USB-C cable is securely connected to both the keyboard and the computer. Try a different USB port or cable.
- **Incorrect Key Output:** Verify that the system toggle switch on the back of the keyboard is set to the correct operating system (Mac/Windows).
- **Backlighting Issues:** Check VIA software settings for lighting effects and brightness. Ensure the keyboard is receiving sufficient power.
- **Switch Malfunction:** If a specific key is not registering, try removing and re-inserting the switch. If the issue persists, replace the switch with a new one.

For further assistance, consult the official Keychron support resources or the PDF user manual available at [User Guide \(PDF\)](#) or [User Manual \(PDF\)](#).

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	17.63 x 5.53 x 1.06 inches
Item Weight	4.14 pounds
Item Model Number	Keychron V6
Connectivity Technology	USB-C
Compatible Devices	Laptop, Mac, PC
Keyboard Description	Gaming, Mechanical

Special Features	QMK/VIA, Fully Customizable, Hot-swappable, RGB, Wired
Switch Type	Keychron K Pro Brown (Tactile)
Keycap Material	Double-shot PBT
Keyboard Backlighting	RGB (South-facing)
Material	Silicone (internal components)



Image 7.1: Specifications for the Keychron K Pro Brown tactile switch, detailing operating force, pre-travel, and total travel distance.


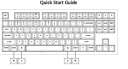

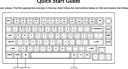


8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Keychron website or contact Keychron customer service directly. Details regarding warranty periods and claims procedures are typically provided with your purchase documentation or on the manufacturer's support pages. Additional resources, including PDF user manuals, can be found via the following links:

- [User Guide \(PDF\)](#)
- [User Manual \(PDF\)](#)

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Related Documents - Keychron V6

	<p>Keychron Q3 Knob Version Quick Start Guide</p> <p>A quick start guide for the Keychron Q3 Knob Version mechanical keyboard, covering system switching, VIA software usage, layers, backlighting, warranty, and factory reset.</p>
	<p>Keychron Q3 Quick Start Guide and VIA Software Setup</p> <p>This guide provides instructions for setting up the Keychron Q3 mechanical keyboard, including system switching, using the VIA key remapping software, controlling backlighting, understanding warranty terms, and performing a factory reset. It also includes links to download necessary software and firmware.</p>
	<p>Keychron V2 Wired Custom Mechanical Keyboard - QMK/VIA Programmable 65% Layout</p> <p>Discover the Keychron V2 Wired Custom Mechanical Keyboard, a barebone 65% layout model with QMK/VIA programmability and hot-swappable support. Compatible with Mac, Windows, and Linux. Includes software downloads and configuration resources.</p>
	<p>Keychron V1 Knob Mechanical Keyboard Quick Start Guide - Setup & Customization</p> <p>Get started with your Keychron V1 Knob mechanical keyboard. This quick start guide provides instructions on system switching, VIA software setup, key remapping, backlight control, and factory reset for Mac and Windows.</p>
	<p>Keychron K8 Pro TKL Mechanical Keyboard User Guide</p> <p>A comprehensive guide to the Keychron K8 Pro, a TKL mechanical keyboard. Learn how to connect, customize with VIA software, adjust backlighting, and troubleshoot.</p>
	<p>Keychron K6 Pro Wireless Mechanical Keyboard: QMK/VIA Customization Guide</p> <p>Explore the Keychron K6 Pro, a 65% wireless mechanical keyboard featuring QMK/VIA programmability, hot-swappable switches, and an aluminum RGB backlit design. Compatible with Mac, Windows, and Linux.</p>