

Keychron V6

Keychron V6 Wired Custom Mechanical Keyboard User Manual

Model: V6

INTRODUCTION

This manual provides comprehensive instructions for setting up, operating, customizing, and maintaining your Keychron V6 Wired Custom Mechanical Keyboard. The V6 is a full-sized mechanical keyboard designed for versatility and performance, featuring QMK/VIA support for extensive customization and hot-swappable switches for personalized typing experiences.



Image: The Keychron V6 Wired Custom Mechanical Keyboard, showcasing its full-size layout and design.

KEY FEATURES

- **108-Key Full-Size Layout:** The V6 offers a complete set of 108 keys, providing full functionality for various tasks.
- **QMK/VIA Programmability:** Customize key assignments, macros, and lighting effects with the open-source QMK firmware and VIA software.
- **Hot-Swappable Switches:** Easily change mechanical switches (3-pin and 5-pin MX style) without soldering, allowing for personalized typing feel. The keyboard comes with pre-lubed Keychron K Pro Red switches.
- **Double-Shot PBT Keycaps:** Durable OSA profile keycaps with excellent oil resistance for long-term use and a comfortable feel.
- **South-Facing RGB Backlight:** Designed to illuminate the keyboard from the typist's angle and prevent interference with Cherry-profile keycaps.
- **Mac & Windows Compatibility:** Features a system toggle and additional keycaps for seamless use with both macOS and Windows operating systems.
- **Acoustic Silicone Pad & Screw-In Stabilizers:** Enhances typing comfort and reduces wobbliness for larger keys.

SETUP GUIDE

1. **Connect the Keyboard:** Use the provided USB-C to USB-C cable (and USB-A to USB-C adapter if needed) to connect the keyboard to your computer's USB port.
2. **Select Operating System:** Locate the system toggle switch on the side or back of the keyboard. Switch it to the appropriate position for your operating system (Mac or Windows).



Image: A close-up of the Mac/Windows toggle switch located on the side of the Keychron V6 keyboard.

3. **Install Keycaps (Optional):** If you prefer a different keycap layout (e.g., Windows-specific keys), use the included keycap puller to carefully remove existing keycaps and replace them with the desired ones.
4. **Software Installation (Optional for Customization):** For advanced customization (key remapping, macros, lighting), download the VIA software from the official Keychron website. The keyboard supports QMK/VIA firmware.



Image: Screenshot of the VIA software interface, demonstrating options for key remapping and macro commands for the Keychron V6 keyboard.

OPERATING INSTRUCTIONS

Basic Usage

The Keychron V6 functions as a standard full-size keyboard. Simply plug it in and begin typing. The mechanical switches provide tactile feedback for a comfortable and responsive typing experience.

Backlight Control

The keyboard features south-facing RGB backlighting. Use the designated function keys (often F-keys combined with the 'Fn' key) to cycle through various lighting effects, adjust brightness, or turn the backlight on/off. Refer to the keyboard's keycap legends for specific backlight control functions.

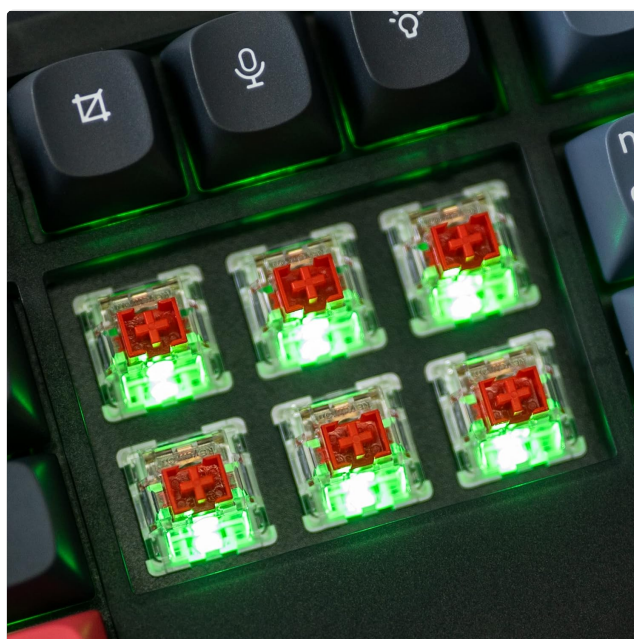


Image: A close-up view of the Keychron V6 keyboard's mechanical switches with green RGB backlighting active.

QMK/VIA Customization

For advanced users, the QMK/VIA software allows for deep customization:

- **Key Remapping:** Change the function of any key on the keyboard.
- **Macro Creation:** Assign complex sequences of keystrokes to a single key.
- **Layer Management:** Create multiple key layouts (layers) and switch between them for different applications or operating systems.
- **Lighting Effects:** Fine-tune RGB lighting patterns, colors, and animations.

Detailed instructions for using QMK/VIA can be found on the official Keychron website or within the VIA software documentation.

CUSTOMIZATION AND MAINTENANCE

Hot-Swappable Switches

The Keychron V6 supports hot-swappable mechanical switches, allowing you to change them without soldering. This feature enables you to experiment with different switch types (e.g., linear, tactile, clicky) to find your preferred typing feel.

1. **Remove Keycap:** Use the included keycap puller to gently remove the desired keycap.
2. **Remove Switch:** Use the included switch puller to carefully grip the switch and pull it straight up.
3. **Insert New Switch:** Align the pins of the new switch with the holes on the PCB and press down firmly until it clicks into place. Ensure pins are not bent.
4. **Replace Keycap:** Press the keycap onto the new switch stem.

HOT-SWAPPABLE SWITCH

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



Image: A close-up showing the hot-swappable nature of the Keychron V6, with a red mechanical switch removed from its socket.

Keycap Replacement

The V6 comes with durable double-shot PBT keycaps. If you wish to replace them with alternative keycaps, use the keycap puller to carefully remove them. Ensure replacement keycaps are compatible with MX-style switches.

A close-up photograph of a computer keyboard, focusing on the lower right section. The keys are dark grey with white characters. Visible keys include the comma/less-than key, the semicolon/apostrophe key, the equals/plus key, the backslash/underscore key, the forward slash/question mark key, the left shift key, the right shift key (which is red), and the arrow keys. The lighting is soft, highlighting the texture of the keycaps.

Image: A detailed view of the double-shot PBT keycaps, highlighting their texture and legends.

MAINTENANCE

Cleaning the Keyboard

- **Dust Removal:** Use a can of compressed air to blow away dust and debris from between the keycaps.
- **Keycap Cleaning:** For deeper cleaning, remove the keycaps using the keycap puller. Wash them gently with mild soap and water, then ensure they are completely dry before reattaching.
- **Surface Cleaning:** Wipe the keyboard's surface with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials.

General Care

- Avoid spilling liquids on the keyboard.
- Do not expose the keyboard to extreme temperatures or direct sunlight for prolonged periods.
- Handle switches and keycaps carefully during removal and installation to prevent damage.

TROUBLESHOOTING

- **Keyboard Not Responding:**
 - Ensure the USB cable is securely connected to both the keyboard and the computer.
 - Verify the system toggle switch is set to the correct operating system (Mac/Windows).
 - Try connecting the keyboard to a different USB port or another computer to rule out port or computer issues.
- **Incorrect Key Output:**
 - Check the system toggle switch for correct OS selection.
 - If using custom keymaps via VIA, ensure the correct layer is active or reset to default settings if necessary.
- **Backlight Not Working:**
 - Ensure the backlight is turned on and brightness is adjusted using the designated function keys.
 - If using VIA, check lighting settings within the software.

- **Stuck or Unresponsive Key:**
 - Carefully remove the keycap and switch. Inspect for any debris or bent pins.
 - Clean the switch area and reinsert the switch, ensuring it is properly seated. If the issue persists, consider replacing the switch.

For further assistance, please visit the official Keychron support website.

SPECIFICATIONS

Brand	Keychron
Model	V6
Product Dimensions	17.63"L x 5.53"W x 1.06"H (44.78 x 14.05 x 2.69 cm)
Item Weight	4.24 pounds (1.92 kg)
Connectivity Technology	USB-C (Wired)
Compatible Devices	Laptop, Mac, PC
Keyboard Description	Mechanical, Full-Size
Special Features	QMK/VIA Programmable, Hot-swappable, RGB Backlight
Keyboard Backlighting	RGB, South-facing
Keycap Material	Double-shot PBT

WHAT'S IN THE BOX

The Keychron V6 package includes the following items:

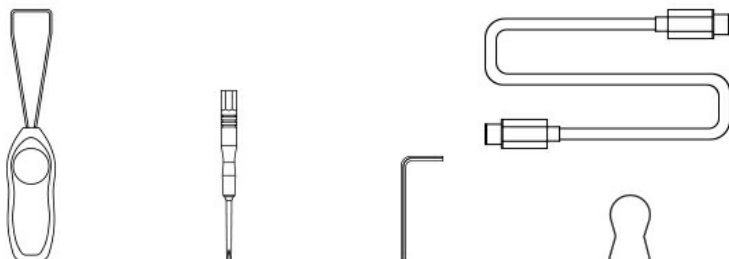
- Keychron V6 Wired Custom Mechanical Keyboard (Fully Assembled)
- USB-C to USB-C Cable
- USB-A to USB-C Adapter
- Switch Puller
- Keycap Puller
- Screwdriver
- Hex Key
- Additional Keycaps for Mac/Windows layouts

What You Get Keychron V6



Keyboard

1x Fully Assembled Keyboard
Including
 1x PCB
 1x Steel Plate
 1x Sound Absorbing Foam
 1x Case Silicone Pad
 8 sets x Stabilizers
 1 set x Keycaps (Double-Shot PBT)
 1 set x Switches



Cable

1x Type-C to Type-C Cable
 1x Type-A to Type-C Adapter

Tools

1x Switch Puller
 1x Keycap Puller
 1x Screwdriver
 1x Hex Key





Image: An exploded diagram illustrating the components of the Keychron V6 keyboard and the included accessories.



WARRANTY AND SUPPORT

For information regarding product warranty, technical support, and frequently asked questions, please visit the official Keychron website. Keep your purchase receipt for warranty claims.

Online resources for QMK/VIA software and firmware updates are also available on the Keychron support page.

Related Documents - V6

	<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 K2 Pro QMK/VIA Wireless Mechanical Keyboard Quick Start Guide</p> <p>Quick start guide for the Keychron K2 Pro QMK/VIA Wireless Mechanical Keyboard, covering Bluetooth and cable connection, key remapping with VIA software, backlight controls, warranty, and factory reset.</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 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 K12 Pro Bluetooth Mechanical Keyboard User Guide</p> <p>Comprehensive guide for the Keychron K12 Pro Bluetooth Mechanical Keyboard, covering setup, features, key mapping, troubleshooting, and specifications. Learn how to connect, customize, and maintain your keyboard.</p>