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Keychron Keychron Q1J3

Keychron Q1 V2 Mechanical Keyboard User Manual

Model: Keychron Q1J3



INTRODUCTION

This manual provides detailed instructions for the Keychron Q1 V2 RGB Wired Custom Mechanical Keyboard. It covers setup, operation, customization, maintenance, and troubleshooting to ensure optimal use of your device. The Keychron Q1 V2 is a fully assembled 75% layout mechanical keyboard featuring QMK/VIA support, a full aluminum CNC machined body, double-gasket design, and OSA profile double-shot PBT keycaps.



Image: The Keychron Q1 V2 mechanical keyboard in blue, showcasing its 75% layout and keycap design.

SETUP

1. Unboxing and Contents

Carefully unbox your Keychron Q1 V2 keyboard. The package should contain the following items:

- 1x Fully Assembled Keyboard (including aluminum case, PCB, steel plate, sound absorbing foam, case foam, 8 installed gaskets)
- 8x Additional Gaskets
- 4 sets x Stabilizers
- 1 set x Keycaps (Double-Shot OSA PBT)
- 1 set x Switches (Gateron G Pro Brown)
- 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

Note: All tools are located at the bottom of the box.

Keychron Q1

75% Layout Fully Assembled Customizable Keyboard

Keyboard

1x Fully Assembled Keyboard

Including

1x Aluminum Case

1x PCB

1x Steel Plate

1x Sound Absorbing Foam

1x Case Foam

16x Gaskets (8 Installed and 8 in the Box)

4 sets x Stabilizers

1 set x Keycaps (Double-Shot OSA PBT)

1 set x Switches (Gateron G Pro)

Cable

1x Type-C to Type-C Cable

1x Type-A to Type-C Adapter

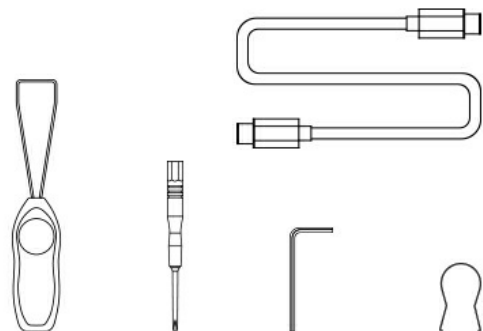
Tools

1x Switch Puller

1x Keycap Puller

1x Screwdriver

1x Hex Key



Please note: All tools are placed on the bottom of the box

Image: Diagram illustrating the contents included with the Keychron Q1 V2 keyboard, such as cables, tools, and additional components.

2. Connecting the Keyboard

Connect the keyboard to your computer using the provided Type-C to Type-C cable. If your computer only has USB-A ports, use the included Type-A to Type-C adapter.

3. Operating System Switch

Locate the operating system switch on the back or side of the keyboard. Toggle it to the appropriate position for your system (Mac or Windows/Linux). This ensures correct key mapping and functionality.



Image: Close-up of the Keychron Q1 V2 keyboard's side, showing the physical switch to select between Windows and macOS modes.

OPERATING AND CUSTOMIZATION

1. QMK/VIA Software Customization

The Keychron Q1 V2 supports QMK/VIA, allowing for intuitive key remapping and macro creation across macOS, Windows, and Linux. To use VIA:

1. Connect the Keychron Q1 V2 to your device via cable.
2. Download the appropriate keymap JSON file for the Q1 V2 from the official Keychron website.
3. Open the VIA software.
4. In the VIA software, navigate to the "Settings" tab and enable "Show Design tab".
5. Drag the downloaded JSON file into the "Design" tab in VIA to load the Q1 V2 keymap.

You can now customize key assignments, create macros, and adjust lighting effects.

Personalize your own keymap with QMK/VIA intuitively



Image: Screenshot of the VIA software interface, demonstrating how to personalize keymaps and macros for the Keychron Q1 V2 keyboard.

2. Hot-Swappable Switches

The keyboard features hot-swappable sockets compatible with most 3-pin and 5-pin MX style mechanical switches (e.g., Gateron, Cherry, Kailh). This allows you to install or change switches without soldering. The keyboard comes pre-installed with pre-lubed Gateron G Pro Brown switches, offering a tactile response and a lifespan of up to 50 million keystrokes.

Hot-Swappable with most of the MX style mechanical switches (including Gateron, Cherry, Kailh, etc.)



Image: Close-up view of the keyboard's PCB with several switches removed, illustrating the hot-swappable sockets for easy switch replacement.

3. Double-Gasket Design

The Q1 V2 incorporates a double-gasket design. In addition to gaskets on the plates, silicone pads are placed between the top and bottom cases. This design significantly reduces sound resonance between metal components and minimizes noise from impacts, enhancing typing sound and maintaining structural flexibility.



Image: Exploded diagram of the Keychron Q1 V2 keyboard, showing the layers including keycaps, switches, top case, plate, gaskets, sound absorbing foam, PCB, case foam, bottom case, and silicone gaskets.

4. Screw-In PCB Stabilizers

The keyboard features screw-in PCB stabilizers, which increase stability for larger keys (space bar, shift, enter, delete) and simplify changes or upgrades. The Keychron Q1 V2 also supports third-party stabilizers, including Cherry or Durock.

Screw-In PCB Stabilizers

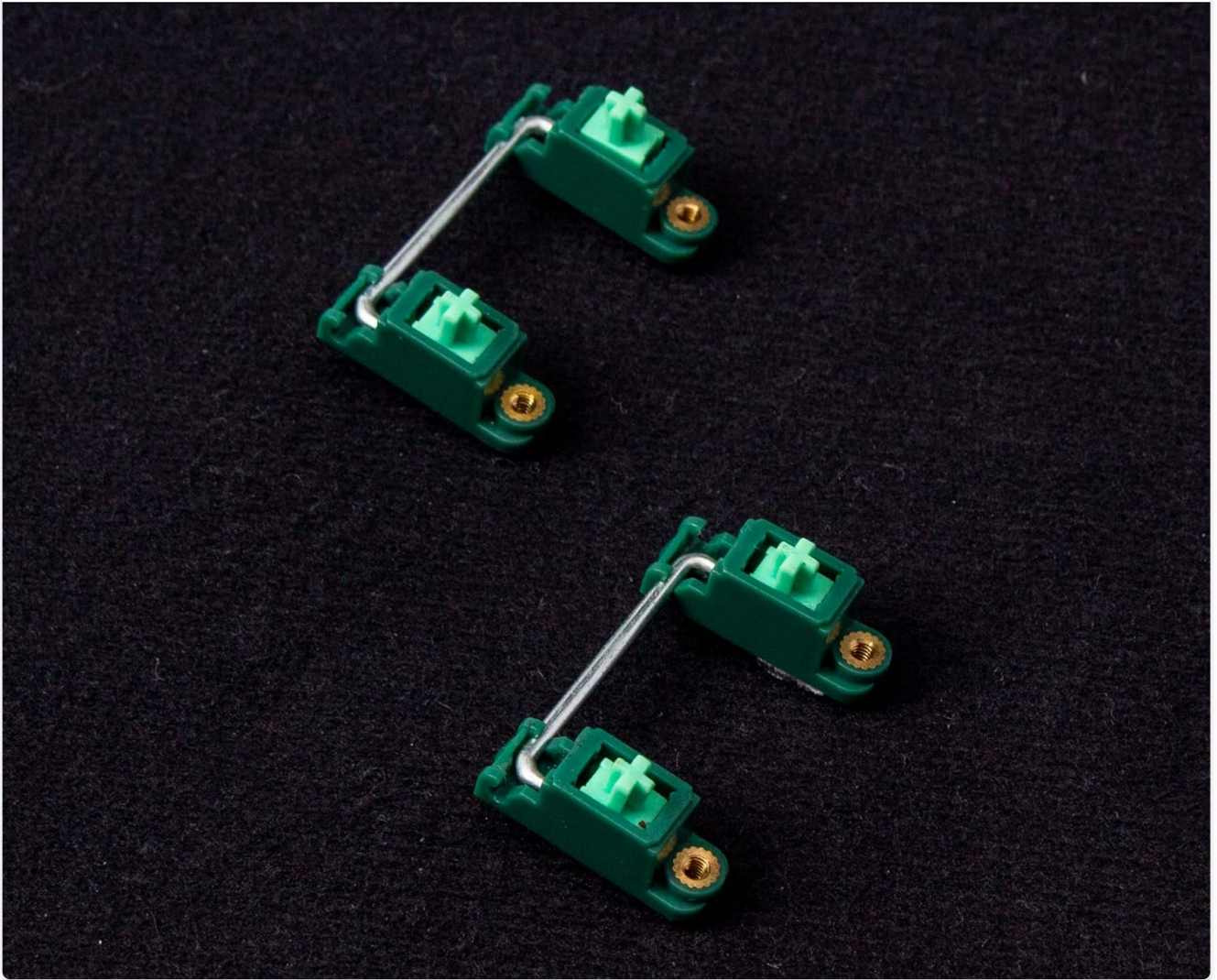


Image: Close-up of the green screw-in PCB stabilizers, highlighting their design for enhanced key stability.

5. OSA Profile Double-Shot PBT Keycaps

The keyboard is equipped with durable OSA profile double-shot PBT keycaps, designed for a comfortable typing experience and long-lasting legends.

OSA Profile Double-shot PBT Keycaps



Image: Close-up of the blue OSA profile double-shot PBT keycaps, showing their sculpted shape and clear legends.

6. South-Facing RGB LED Backlight

The keyboard features south-facing RGB LEDs, which provide vibrant backlighting and are ideal for compatibility with most custom keycap sets.

South-facing RGB LED Backlight



Image: Close-up of the keyboard's switches with RGB backlighting active, demonstrating the south-facing LED orientation.

MAINTENANCE

1. Cleaning the Keyboard

To maintain your keyboard's appearance and functionality:

- Disconnect the keyboard from your computer before cleaning.
- Use a can of compressed air to remove dust and debris from between the keycaps.
- For surface cleaning, gently wipe the keycaps and case with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials.
- For deeper cleaning, keycaps can be removed using the provided keycap puller and washed with mild soap and water. Ensure they are completely dry before reattaching.

2. Replacing Switches and Keycaps

The hot-swappable design allows for easy replacement of switches and keycaps:

- **Keycaps:** Use the keycap puller to gently remove keycaps by hooking it onto the keycap and pulling upwards. To install, align the keycap with the switch stem and press down firmly until it clicks into place.

- **Switches:** Use the switch puller to grip the top and bottom clips of the switch and pull upwards. To install a new switch, ensure the pins are straight, align them with the holes on the PCB, and press down gently until the switch is seated. Do not force the switch if it does not go in smoothly, as this may bend the pins.

TROUBLESHOOTING

1. Keyboard Not Responding

- Ensure the USB cable is securely connected to both the keyboard and the computer.
- Verify that the operating system switch on the keyboard is set to the correct position (Mac or Windows/Linux).
- Try connecting the keyboard to a different USB port on your computer.
- Test the keyboard on another computer to rule out a computer-specific issue.

2. VIA Software Not Recognizing Keyboard

- Ensure the keyboard is connected via cable, as VIA requires a wired connection.
- Confirm you have downloaded the correct Q1 V2 JSON keymap file from the Keychron website and loaded it into the VIA "Design" tab.
- Restart the VIA software and/or your computer.
- Check for any firmware updates for your Keychron Q1 V2 on the official Keychron website.

3. RGB Backlight Issues

- Use the designated key combinations (refer to the Keychron Q1 V2 quick start guide or VIA software) to cycle through lighting modes and brightness levels.
- If specific keys are not lighting up, check if the switches are properly seated or if the LEDs are damaged.

SPECIFICATIONS

Product Dimensions	12.89"L x 5.7"W x 1.41"H (32.74 cm x 14.48 cm x 3.58 cm)
Item Weight	4.05 pounds (1.84 kg)
Manufacturer	Keychron
Item Model Number	Keychron Q1J3
Connectivity Technology	USB-A, USB-C (Wired)
Compatible Devices	PC (Mac, Windows, Linux)
Special Feature	QMK/VIA support, Hot-swappable, Double-gasket design, South-facing RGB, CNC Aluminum Body
Keyboard Backlighting	RGB
Keycap Material	Double-shot PBT
Switch Type	Gateron G Pro Brown Mechanical

WARRANTY AND SUPPORT

1. Warranty Information

Keychron products typically come with a limited warranty covering manufacturing defects. For specific warranty terms and conditions, please refer to the official Keychron website or contact their customer support directly. Keep your proof of purchase for warranty claims.

2. Customer Support

For further assistance, technical support, or inquiries regarding your Keychron Q1 V2 keyboard, please visit the official Keychron support page:







[Keychron Support Page](#)

You may also find helpful resources, FAQs, and firmware updates on the Keychron website.



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Related Documents - Keychron Q1J3

	Keychron V2 Wired Custom Mechanical Keyboard - QMK/VIA Programmable 65% Layout 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.
	Keychron Q3 Knob Version Quick Start Guide A quick start guide for the Keychron Q3 Knob Version mechanical keyboard, covering system switching, VIA software usage, layers, backlighting, warranty, and factory reset.
	Keychron K1 Pro Bluetooth Mechanical Keyboard User Manual and Guide Comprehensive guide for the Keychron K1 Pro Bluetooth Mechanical Keyboard, covering setup, features, VIA software, layers, backlight control, troubleshooting, and specifications. Learn how to connect, customize, and maintain your keyboard.
	Keychron K17 Max Troubleshooting Guide: Bluetooth, Key Issues, and Typing Errors Find solutions for common issues with your Keychron K17 Max mechanical keyboard, including Bluetooth connectivity problems, unresponsive keys, typing lag, and low-profile design adjustments. This guide provides troubleshooting steps for Mac and Windows users.
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