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Keychron Q5 Pro

Keychron Q5 Pro Wireless QMK/VIA Mechanical Keyboard User Manual

Model: Q5 Pro
Brand: Keychron

INTRODUCTION

The Keychron Q5 Pro is a fully customizable 96% layout mechanical keyboard designed for a premium typing experience. It features QMK/VIA open-source firmware for extensive customization, wireless and wired connectivity options, a durable full aluminum body, and hot-swappable switches. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your Keychron Q5 Pro keyboard.



Image: Overview of the Keychron Q5 Pro mechanical keyboard, highlighting its QMK/VIA compatibility, rotary knob, CNC aluminum body, Mac/Windows/Linux support, 1000Hz polling rate, south-facing RGB, hot-swappable switches, and KSA PBT keycaps.

SETUP

Package Contents

Before you begin, please ensure all items are present in the box:

- 1x Fully Assembled Keyboard (including Aluminum Case, PCB, PC Plate, Sound Absorbing Foam, Case Foam, 14 Gaskets, 7 sets x Stabilizers, 1 set x Keycaps, 1 set x Switches)
- 1x USB Type-C to Type-C Cable
- 1x Type-A to Type-C Adapter
- 1x Switch Puller
- 1x Keycap Puller
- 1x Screwdriver
- 1x Hex Key
- Additional Mac and Windows keycaps



Image: Visual representation of the Keychron Q5 Pro package contents, including the keyboard, cables, and tools.

Initial Connection

The Keychron Q5 Pro supports both wired and wireless (Bluetooth) connections.

Wired Connection

1. Locate the USB Type-C port on the back of the keyboard.
2. Connect the provided USB Type-C to Type-C cable to the keyboard and your computer. If your computer only has USB-A ports, use the included Type-A to Type-C adapter.
3. Ensure the toggle switch on the back of the keyboard is set to 'Cable' mode.
4. The keyboard will be recognized by your computer automatically.

Wireless Bluetooth Connection

1. Ensure the keyboard is charged. Connect it via USB-C if the battery is low.
2. Set the toggle switch on the back of the keyboard to 'BT' (Bluetooth) mode.
3. To enter pairing mode, press and hold the 'Fn1' + '1' (for Bluetooth device 1) keys for 4 seconds until the backlight starts flashing rapidly.
4. On your computer or device, enable Bluetooth and search for 'Keychron Q5 Pro'.
5. Select the keyboard to pair. The backlight will stop flashing once successfully paired.
6. To switch between paired Bluetooth devices (up to 3), press 'Fn1' + '1', 'Fn1' + '2', or 'Fn1' + '3'.

Operating System Switch

The Keychron Q5 Pro has a toggle switch on the back to select between Mac and Windows/Linux layouts. Set this switch according to your operating system for correct key functionality.



Image: Close-up of the keyboard's side, showing the USB-C port, Mac/Win toggle switch, and BT/Off/Cable mode switch, indicating compatibility with Mac, Linux, and Windows operating systems.

QMK/VIA Software Customization

The Keychron Q5 Pro is fully compatible with QMK and VIA firmware, allowing for extensive customization of key assignments, macros, and lighting effects. You can access the Keychron Launcher web app for an intuitive graphical interface without needing to install additional software.

- Visit the official Keychron website and navigate to the QMK/VIA section for the Q5 Pro.
- Open the Keychron Launcher web app in a compatible browser (e.g., Google Chrome, Microsoft Edge, Opera).
- Connect your keyboard via USB-C to ensure full functionality with the software.
- Follow the on-screen instructions within the web app to remap keys, create macros, and adjust lighting.

Fully Assembled Knob Version

Keyboard

1x Fully Assembled Keyboard

Including

1x Aluminum Case

1x PCB

1x PC Plate

1x Sound Absorbing Foam

1x Case Foam

14x Gaskets (10 Installed and 4 in the Box)

7 sets x Stabilizers

1 set x Keycaps (Double-Shot KSA 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: Screenshot of the Keychron Launcher Web Configurator, demonstrating the graphical interface for customizing key layouts and settings, compatible with popular web browsers.

OPERATING THE KEYBOARD

Key Remapping and Macros

Utilize the QMK/VIA software to customize any key on the keyboard, including creating complex macros for enhanced productivity or gaming. Changes are saved directly to the keyboard's firmware.

Programmable Knob

The rotary knob on the Keychron Q5 Pro is programmable. By default, it controls volume (turn left/right) and media playback (press down). These functions can be reconfigured using the QMK/VIA software to suit your preferences.



Image: Illustration of the programmable knob's default functions: Volume Up, Volume Down, Play/Pause, and a customizable option, shown alongside the keyboard.

Hot-Swappable Switches

The Q5 Pro features hot-swappable sockets, allowing you to change mechanical switches without soldering. This supports most 3-pin and 5-pin MX style mechanical switches.

1. Use the included switch puller to carefully remove the desired switch by gripping it firmly and pulling upwards.
2. Align the pins of the new switch with the holes on the PCB. Ensure the pins are straight to avoid bending.
3. Gently press the new switch into place until it clicks securely.



Image: Diagram illustrating the hot-swappable feature of the Keychron Q5 Pro, showing how 3-pin or 5-pin mechanical switches can be easily swapped without soldering.

KSA Double-Shot PBT Keycaps

The keyboard comes with KSA profile double-shot PBT keycaps. The KSA profile offers a comfortable typing experience, while the double-shot PBT construction ensures durability and prevents legends from fading over time. These keycaps are oil-resistant and designed for long-term use.



Image: Comparison diagram showing the KSA keycap profile alongside standard OEM and Cherry profiles, highlighting its unique ergonomic shape.



Image: Exploded view illustrating the double-shot PBT keycap construction, showing the two layers of plastic that form the keycap and its legend for enhanced durability.

Backlight Control

The Q5 Pro features south-facing RGB backlighting with multiple lighting effects. You can cycle through different effects and adjust brightness directly on the keyboard using key combinations (refer to the Keychron website for specific key combinations) or through the QMK/VIA software.

Battery Management

The keyboard is equipped with a Lithium Polymer battery. When operating wirelessly, the battery provides up to 100 hours of working time at the lowest brightness setting. Connect the keyboard via USB-C to charge the battery.

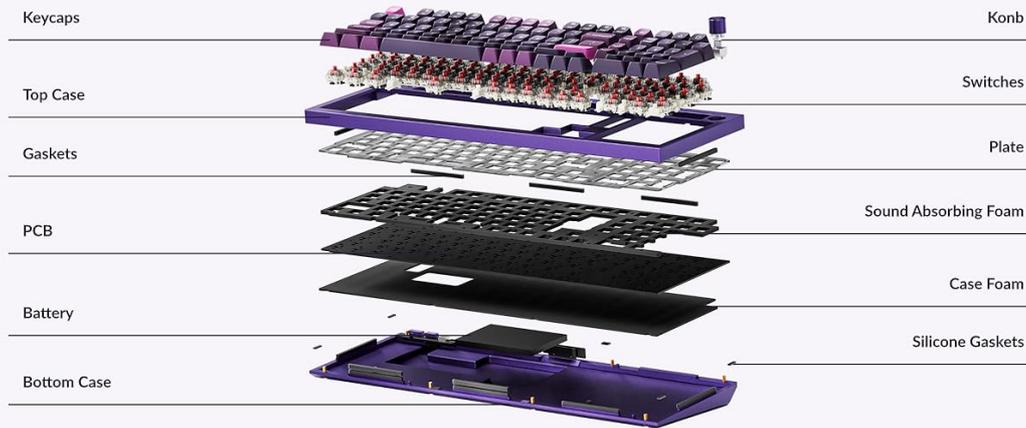


Image: Graphic indicating the Keychron Q5 Pro offers up to 100 hours of working time at the lowest backlight brightness setting.

MAINTENANCE

Cleaning

- **General Cleaning:** Use a soft, dry cloth to wipe the keyboard's aluminum body. For dust and debris between keycaps, use compressed air.
- **Keycap Cleaning:** For deeper cleaning, remove the keycaps using the provided keycap puller. Wash them gently with mild soap and water, then ensure they are completely dry before reattaching.

Switch and Keycap Replacement

Refer to the 'Hot-Swappable Switches' section under 'Operating the Keyboard' for instructions on replacing switches. When replacing keycaps, ensure they are correctly oriented and gently press them onto the switch stems until secure.

TROUBLESHOOTING

- **Keyboard not responding:** Ensure the cable is securely connected or Bluetooth is properly paired. Check the 'Cable/BT' switch position. Try restarting your computer.
- **Keys not working correctly:** Verify the 'Mac/Win' switch is set to your operating system. If a specific key is not working, try hot-swapping the switch with a known working one to diagnose if the issue is with the switch or the PCB.
- **Bluetooth connectivity issues:** Ensure the keyboard is charged. Try unpairing and re-pairing the keyboard with your device. Ensure no other devices are interfering with the Bluetooth signal.
- **QMK/VIA software not detecting keyboard:** Ensure the keyboard is connected via USB-C. Use a compatible web browser (Chrome, Edge, Opera). Close other applications that might be using the keyboard's USB connection.
- **Backlight not working:** Check backlight brightness settings. Ensure the keyboard is not in a low-power mode.

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

SPECIFICATIONS

Feature	Detail
Model	Q5 Pro
Layout	96% Layout
Body Material	CNC Aluminum
Connectivity	Bluetooth 5.1, USB-C (Wired)
Polling Rate (Wired)	1000 Hz
Polling Rate (Wireless)	90 Hz
Switches	Hot-swappable K Pro Red Switch (Linear)
Keycaps	KSA Profile Double-Shot PBT
Backlighting	South-facing RGB
Battery	1 Lithium Polymer battery (included)
Compatible OS	Mac, Windows, Linux
Item Weight	6.54 pounds
Package Dimensions	17.25 x 7.75 x 3 inches

Red

Linear Switch



Operating force: **45 ± 10gf**

Pre-travel: **2 ± 0.4mm**

Travel distance: **4 ± 0.4mm**

Suitable for: **Office / Gaming**

Behavior: **Linear**

Pre-lubed: **Yes**

Sound level: **Quiet**

Image: Detailed specifications for the K Pro Red Linear Switch, including operating force, pre-travel, travel distance, behavior, pre-lubrication status, sound level, and recommended use cases.

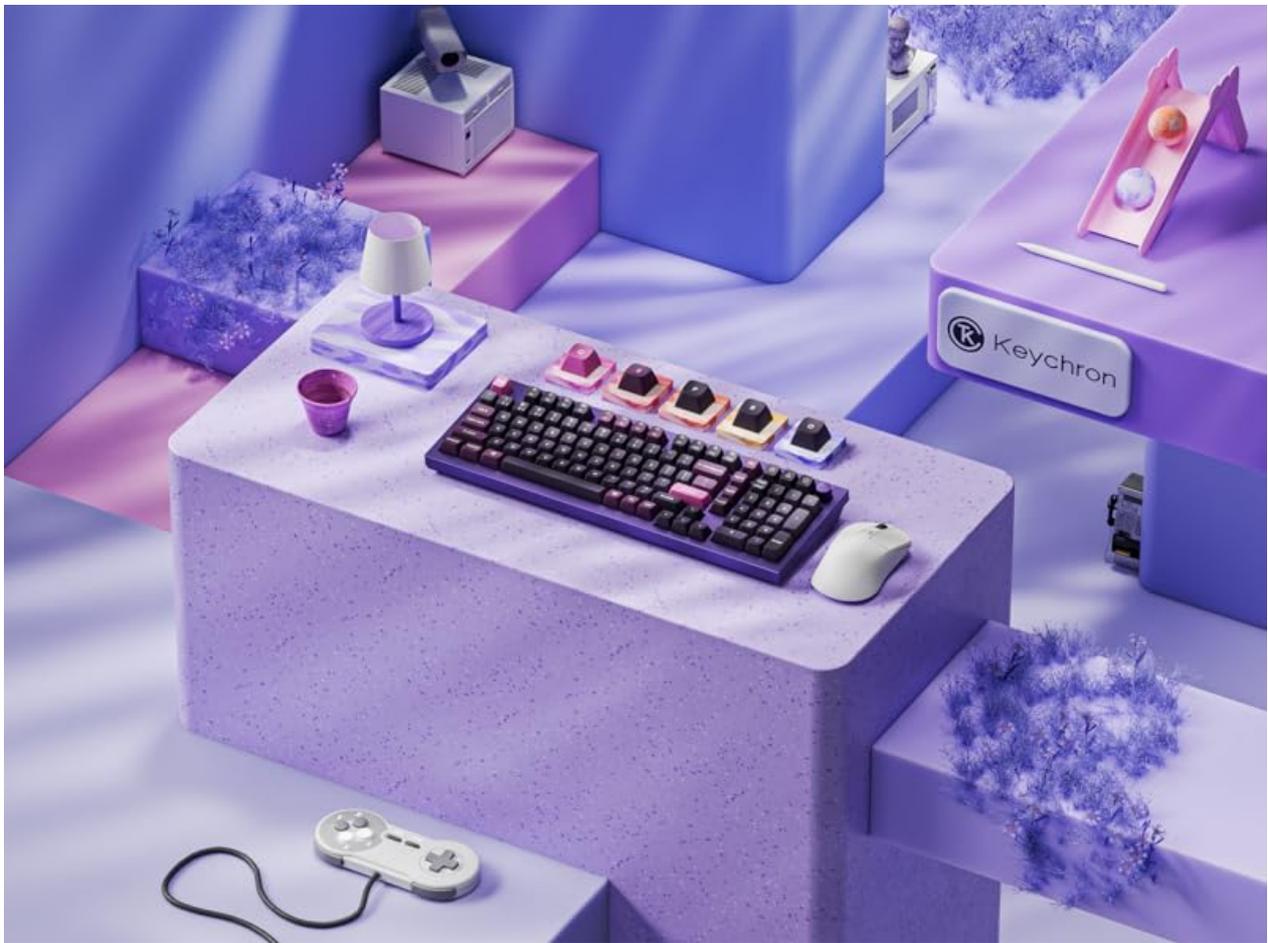


Image: Exploded diagram showing the internal components of the Keychron Q5 Pro, including keycaps, knob, top case, switches, plate, gaskets, sound absorbing foam, PCB, case foam, battery, silicone gaskets, and bottom case.

WARRANTY AND SUPPORT

Return Policy

This product is subject to a 30-day return policy for refund or replacement, as per standard retail terms.

Technical Support and Warranty Information

For detailed warranty information, technical support, and frequently asked questions, please visit the official Keychron website. The website provides comprehensive resources and contact options for customer assistance.