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› **Keychron Q6 Pro Full Metal QMK/VIA Custom Wireless Bluetooth/USB-C Mechanical Keyboard User Manual**

Keychron Q6P-M4

Keychron Q6 Pro Mechanical Keyboard User Manual

Model: Q6P-M4

INTRODUCTION

The Keychron Q6 Pro is a full-size, full-metal custom mechanical keyboard designed for an unparalleled typing experience. It features QMK/VIA programmability, wireless Bluetooth and wired USB-C connectivity, hot-swappable switches, a double-gasket design, KSA double-shot PBT keycaps, screw-in stabilizers, and south-facing RGB backlighting. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Keychron Q6 Pro keyboard.
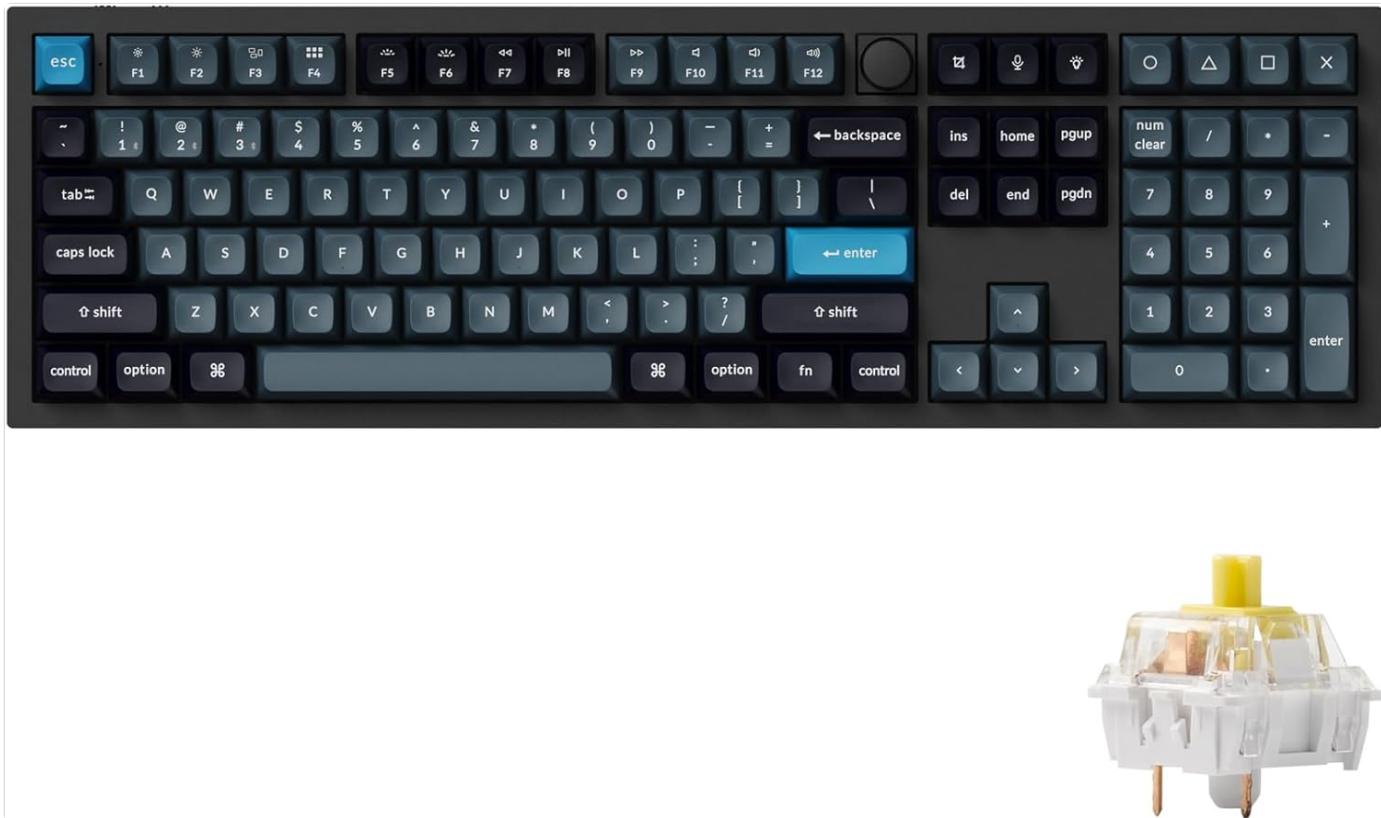

Image: The Keychron Q6 Pro keyboard, showcasing its full layout and a close-up of a K Pro Banana switch.

PACKAGE CONTENTS

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

- 1x Fully Assembled Keyboard (including Aluminum Case, PCB, PC Plate, Sound Absorbing Foam, Case Foam, 16x Gaskets, 8 sets x Stabilizers, 1 set x Keycaps (Double-Shot KSA PBT), 1 set x 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
- User Manual

Specs

Width	137 mm	Switch	Keychron K Pro (Fully Assembled version)	Battery	4000 mAh Rechargeable li-polymer battery
Length	446 mm	Stabilizer	Screw-in PCB stabilizer	BT Working Time (Backlit off)	Up to 300 hours (Lab test result may vary by actual use)
Front Height	20.1 mm (without keycaps)	Backlight	South-facing RGB LED		
Back Height	32.6 mm (without keycaps)	Hot-swappable	Yes. Compatible with most of the 3 pin & 5 pin MX mechanical switches such as Gateron, Cherry MX and Kailh, etc.	BT Working Time (RGB)	Up to 100 hours (Lowest brightness)
Feet Height	2.7 mm			Bluetooth Version	5.1
Angle	5.2°	MCU	Ultra-low-power ARM Cortex-M4 32-bit STM32L432 (128KB Flash)	Compatible System	macOS/Windows/Linux
Weight	2160 ± 10 g (Fully Assembled version)			Connectivity	Bluetooth / Type-C wired
Body Material	Full CNC machined aluminum	Polling Rate	1000 Hz (wired) / 90 Hz (wireless)	Bluetooth Device Name	Keychron Q6 Pro
Plate Material	PC	N-Key Rollover (NKRO)	Yes for both wireless and wired modes		
Keycap	KSA double-shot PBT keycaps, not shine-through (Fully Assembled version)	Operating Environment	-10 to 50°C		

Image: An illustration showing all components included in the Keychron Q6 Pro package.

SETUP

1. Initial Connection

The Keychron Q6 Pro supports both wired and wireless (Bluetooth) connectivity.

Wired Mode:

Connect the keyboard to your computer using the provided Type-C to Type-C cable or the Type-C to Type-A adapter. The keyboard will automatically be recognized. The polling rate in wired mode is 1000 Hz.

Wireless (Bluetooth) Mode:

1. Ensure the keyboard is charged.
2. Flip the switch on the back of the keyboard to the Bluetooth mode.
3. On your device (laptop, phone, tablet), enable Bluetooth and search for "Keychron Q6 Pro".

4. Select the keyboard to pair. The keyboard can connect to up to 3 devices wirelessly.

The polling rate in wireless mode is 90 Hz.

2. Operating System Switch

The Q6 Pro is fully compatible with both Mac and Windows operating systems. Use the OS switch located on the back of the keyboard to select the appropriate layout for your system.

Image: The Keychron Q6 Pro keyboard demonstrating its multi-device wireless connectivity with a phone, tablet, and laptop.

OPERATING INSTRUCTIONS

1. QMK/VIA Customization

The Keychron Q6 Pro supports QMK/VIA for advanced customization. This allows you to remap any key, create macro commands, shortcuts, or key combinations.

- Download the VIA software from the official Keychron website.
- Connect the keyboard in wired mode to ensure proper detection by VIA.
- Use the VIA interface to customize key assignments, create macros, and adjust lighting effects.

Image: A visual representation of the VIA software interface, used for programming and customizing the keyboard's functions.

2. RGB Backlighting

The keyboard features south-facing RGB backlighting with 22 types of preset effects. You can fine-tune the RGB hue, saturation, brightness, effect speed, and different modes directly on the keyboard or through QMK/VIA.

South-Facing RGB

Image: The Keychron Q6 Pro keyboard illuminated with its south-facing RGB backlighting, displaying a spectrum of colors.

3. Hot-Swappable Switches

The Q6 Pro allows you to hot-swap every switch with almost all 3-pin and 5-pin MX style mechanical switches on the market (e.g., Cherry, Gateron, Kailh, Panda) without soldering.

Image: A close-up view of the Keychron Q6 Pro keyboard with several keycaps and switches removed, illustrating the hot-swappable sockets.

4. Rotary Knob Functionality

The programmable rotary knob provides convenient control over various functions, typically volume control by default. Its function can be customized via QMK/VIA.

MAINTENANCE

1. Cleaning the Keyboard

- Disconnect the keyboard from your computer.
- Use a keycap puller to remove keycaps for thorough cleaning.
- Use compressed air to remove dust and debris from between the switches.
- Wipe keycaps and the keyboard frame with a soft, slightly damp cloth. Avoid excessive moisture.

2. Replacing Switches and Keycaps

Thanks to the hot-swappable design, switches and keycaps can be easily replaced.

1. Use the provided keycap puller to gently remove the desired keycap.
2. Use the provided switch puller to carefully remove the switch from its socket.
3. Align the pins of the new switch with the holes on the PCB and press firmly until it clicks into place. Ensure pins are not bent.
4. Place the new keycap onto the switch stem and press down.

Image: A detailed view of the Keychron Q6 Pro keyboard with several keycaps detached, revealing the underlying switch stems and stabilizers.

TROUBLESHOOTING

If you encounter issues with your Keychron Q6 Pro, please refer to the following common solutions:

Issue	Possible Cause / Solution

Issue	Possible Cause / Solution
Keyboard not responding (wired)	Ensure the USB-C cable is securely connected to both the keyboard and the computer. Try a different USB port or cable. Ensure the OS switch is set correctly (Mac/Windows).
Keyboard not connecting (Bluetooth)	Ensure Bluetooth is enabled on your device and the keyboard is in Bluetooth mode. Check keyboard battery level. Unpair and re-pair the keyboard from your device's Bluetooth settings. Ensure no more than 3 devices are paired.
RGB backlight not working or incorrect	Adjust brightness settings on the keyboard. Check RGB settings in VIA software. Perform a factory reset if necessary (refer to Keychron support for specific instructions).
Specific keys not working	Remove the keycap and switch. Check for bent pins on the switch. Ensure the switch is fully seated in the socket. Try replacing the switch with a known working one. Check key assignments in VIA software for accidental remapping.

For further assistance, please visit the official Keychron support website or consult the full user guide PDF available online.

SPECIFICATIONS

Feature	Detail
Model	Keychron Q6 Pro (Q6P-M4)
Layout	Full-size (108-Key)
Body Material	Full CNC machined aluminum
Keycap Material	Double-shot KSA PBT
Switch Type	Keychron K Pro Banana (Hot-swappable)
Backlight	South-facing RGB LED
Connectivity	Bluetooth 5.1 / Type-C wired
Polling Rate (Wired)	1000 Hz
Polling Rate (Wireless)	90 Hz
MCU	Ultra-low-power ARM Cortex-M4 32-bit STM32L432 (128KB Flash)
Battery	4000 mAh Rechargeable Li-polymer battery

Feature	Detail
Battery Working Time (Backlight off)	Up to 300 hours
Battery Working Time (RGB)	Up to 100 hours (Lowest brightness)
Compatible System	macOS/Windows/Linux
Weight	Approximately 6.6 pounds (2160 ± 10 g)
Dimensions (LxWxH)	17.56 x 5.39 x 1.28 inches (446 x 137 x 32.6 mm)
Operating Environment	-10 to 50°C

WARRANTY AND SUPPORT

Keychron products are designed for durability and performance. For information regarding product warranty, please refer to the official Keychron website or the warranty card included with your product.

For technical support, frequently asked questions, or to download the latest VIA software and firmware, please visit the Keychron support page:

Keychron Official Support

You can also find additional resources, including the User Manual and User Guide PDFs, on the product's Amazon page under the "Product guides and documents" section.