

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [Keychron](#) /

› [Keychron Q6 Max QMK/VIA Wireless Custom Mechanical Keyboard Barebone Knob Version User Manual](#)

## Keychron Q6M-M1

# Keychron Q6 Max QMK/VIA Wireless Custom Mechanical Keyboard Barebone Knob Version User Manual

## INTRODUCTION

The Keychron Q6 Max is a full-size, wireless custom mechanical keyboard designed for versatility and performance. This barebone knob version features a full-metal body, multi-mode connectivity (2.4 GHz, Bluetooth, and Type-C wired), QMK/VIA programmability, and a hot-swappable design. It is compatible with macOS, Windows, and Linux operating systems.

This manual provides detailed instructions to help you set up, operate, and maintain your Keychron Q6 Max keyboard.

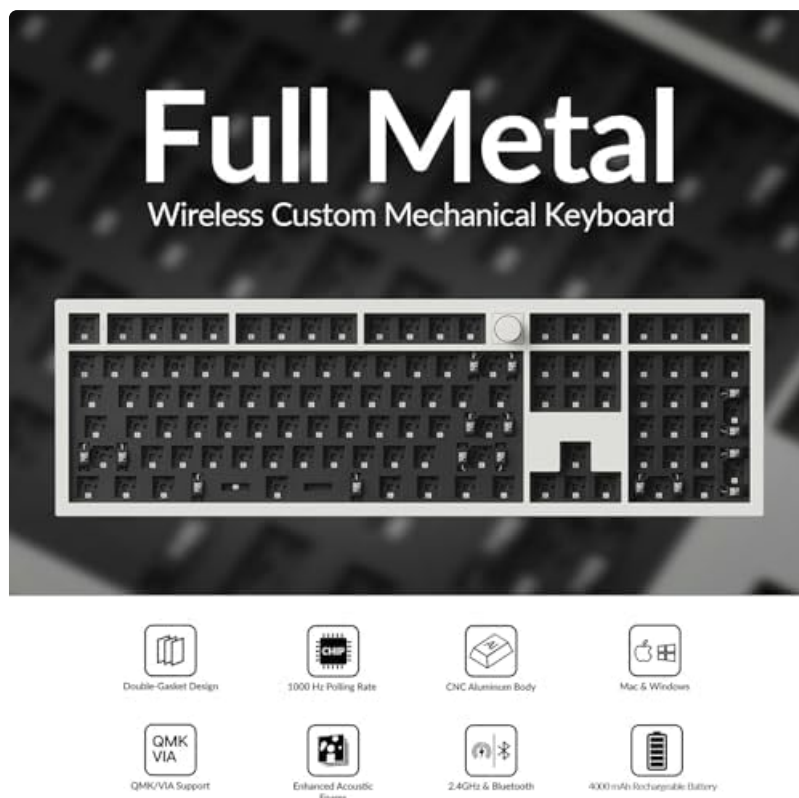


Image: Keychron Q6 Max keyboard highlighting its key features.

## PACKAGE CONTENTS

---

Verify that all items are present in your Keychron Q6 Max package:

- **Keyboard Kit (Without Keycaps & Switches):**

- 1x Aluminum Case
- 1x PCB (Printed Circuit Board)
- 1x PC Plate
- 1x Sound Absorbing Foam
- 1x IXPE Foam
- 1x PET Film
- 1x Latex Bottom Pad
- 1x Bottom Case Acoustic Foam
- 1x Bottom Case PET Film
- 16x Gaskets (12 Installed and 4 in the Box)
- 8 sets x Stabilizers

- **Cable:**

- 1x Type-C to Type-C Cable
- 1x Type-A to Type-C Adapter
- 1x Extension Adapter for Receiver

- **Receiver:**

- 1x Type-A 2.4 GHz Receiver

- **Tools:**

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

# Q6 Max - Barebone Knob Version

## Keyboard Kit

1x Keyboard Kit (Without Keycaps & Switches)

Including

1x Aluminum Case

1x PCB

1x PC Plate

1x Sound Absorbing Foam

1x IXPE Foam

1x PET Film

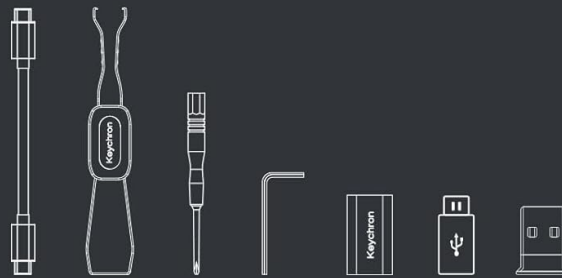
1x Latex Bottom Pad

1x Bottom Case Acoustic Foam

1x Bottom Case PET Film

16x Gaskets (12 Installed and 4 in the Box)

8 sets x Stabilizers



## Cable

1x Type-C to Type-C Cable

1x Type-A to Type-C Adapter

1x Extension Adapter for Receiver

## Receiver

1x Type-A 2.4 GHz Receiver



## Tools

1x Keycap & Switch Puller

1x Screwdriver

1x Hex Key



Image: Detailed list of included items for the Keychron Q6 Max.

## SETUP

### 1. Installing Switches and Keycaps

The Keychron Q6 Max is a barebone keyboard, meaning switches and keycaps are not pre-installed. You will need to purchase these separately.

- The keyboard supports 3-pin and 5-pin MX-style mechanical switches.
- Use the included switch puller to carefully insert switches into the hot-swappable sockets on the PCB. Ensure the pins align correctly to avoid bending.
- Once switches are installed, place your desired keycaps onto the switches.



Image: Keychron Q6 Max barebone keyboard, ready for switch and keycap installation.

# Hot-Swappable Socket

Support 3pin and 5pin mechanical switches



Image: Hot-swappable socket supporting 3-pin and 5-pin mechanical switches.

## 2. Connectivity Options

The Keychron Q6 Max offers three connection modes: 2.4 GHz wireless, Bluetooth 5.1, and Type-C wired.

- **2.4 GHz Wireless:** Insert the included 2.4 GHz receiver into a USB-A port on your computer. Ensure

the keyboard's mode switch (located on the back or side) is set to 2.4G.

- **Bluetooth 5.1:** Set the keyboard's mode switch to BT. On your computer or device, search for Bluetooth devices and select 'Keychron Q6 Max'. You can pair up to three devices.
- **Type-C Wired:** Connect the keyboard to your computer using the provided Type-C to Type-C cable (or Type-A to Type-C adapter). Set the keyboard's mode switch to Cable.

## Tri-Mode Connection

Compatible System-macOS/Windows/Linux



Image: Tri-Mode Connection options for the Keychron Q6 Max.

### 3. QMK/VIA Software Configuration

The Keychron Q6 Max supports QMK/VIA for advanced customization. VIA is a graphical user interface that allows you to remap keys, create macros, and adjust lighting without flashing firmware.

- Download the VIA software from the official Keychron website.
- Connect your keyboard via the Type-C cable.
- Launch VIA. The software should automatically detect your keyboard.
- Use the interface to remap any key, assign macro commands, create shortcuts, or combine key functions.



# Remap any key

and create macro commands, shortcuts, or key combinations through the QMK/VIA

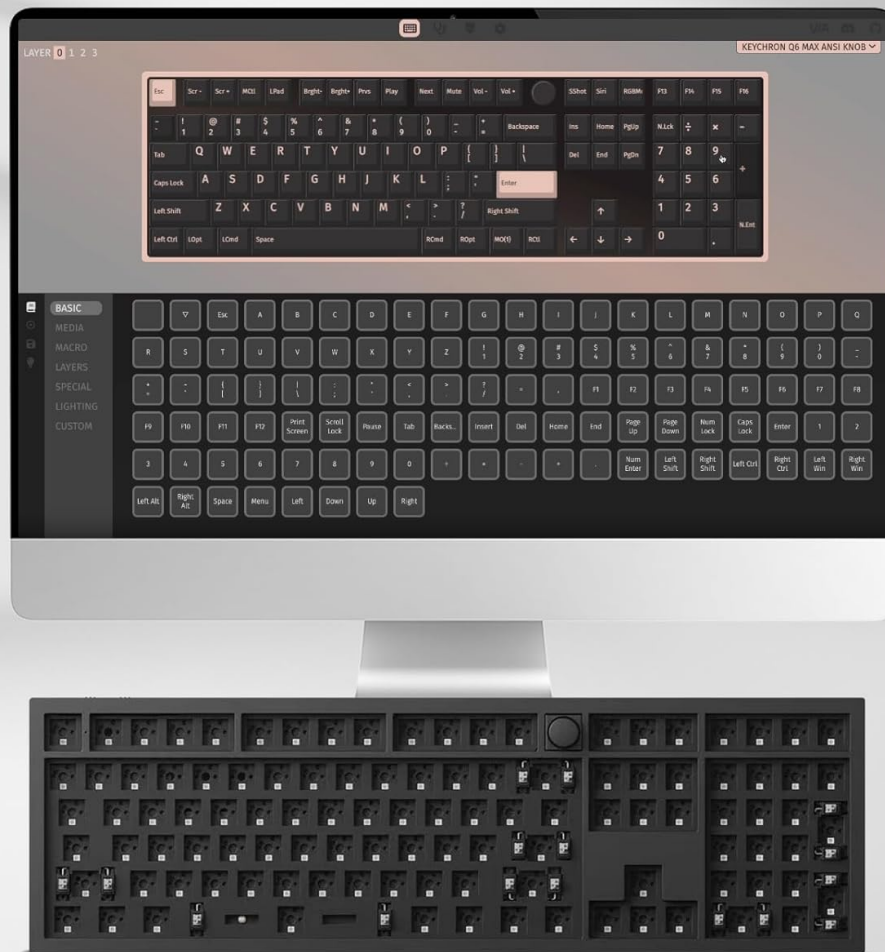


Image: VIA software interface for key remapping and customization.

## OPERATION

### 1. Switching Connectivity Modes

Use the physical switch on the keyboard to toggle between 2.4 GHz, Bluetooth, and wired (Cable) modes. Ensure the switch is set to the desired mode for proper functionality.

### 2. Key Customization with QMK/VIA

As detailed in the setup section, the VIA software allows for extensive key customization. You can create multiple layers of keymaps, enabling different functions for the same physical keys, which is useful for various applications or operating systems.

### 3. RGB Backlighting

The Keychron Q6 Max features south-facing RGB backlighting. You can adjust lighting effects, colors, and brightness directly on the keyboard using key combinations (refer to the keyboard's quick start guide for specific key commands) or through the VIA software for more granular control.

# South-Facing RGB Backlight

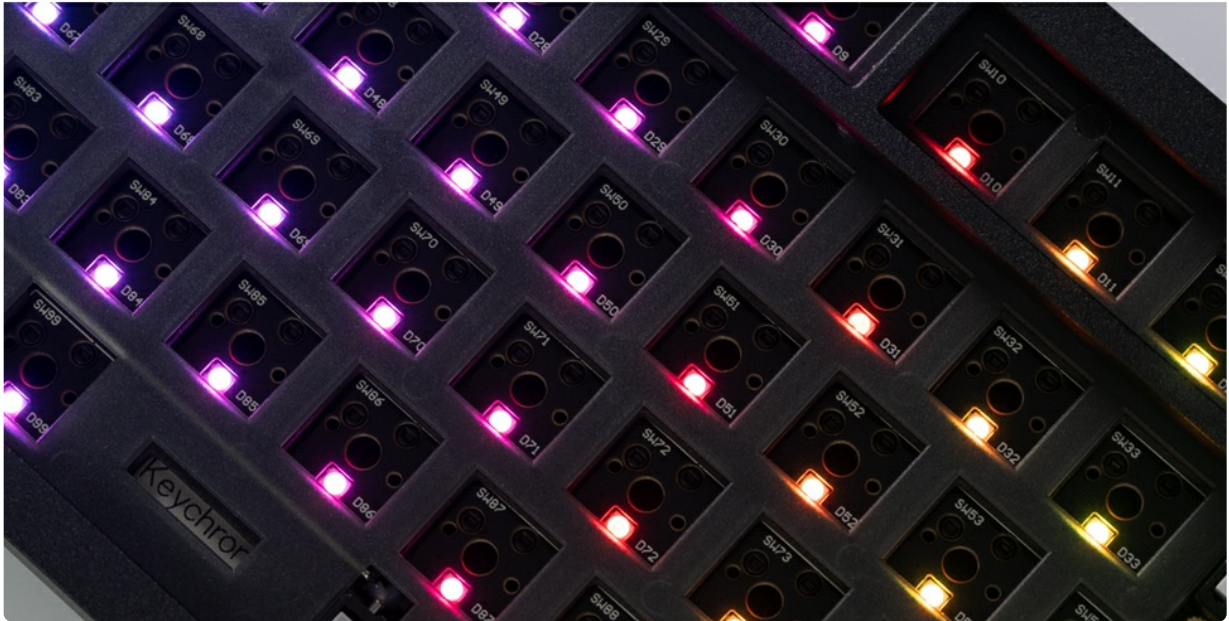


Image: South-Facing RGB Backlight illumination.

## 4. Rotary Knob Functionality

The rotary knob typically controls media functions such as volume up/down and mute. Its functionality can also be customized via the QMK/VIA software to perform other actions.

## MAINTENANCE

---

### 1. Cleaning

- Disconnect the keyboard from all power sources before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe the keyboard surface. Avoid harsh chemicals.
- For cleaning between keycaps, use compressed air to remove dust and debris.
- To deep clean, remove keycaps using the included keycap puller and clean the switches and plate area.

### 2. Switch Replacement

Thanks to the hot-swappable design, individual switches can be replaced without soldering. Use the switch puller to gently remove a switch and insert a new one, ensuring the pins are straight and align with the PCB sockets.

## TROUBLESHOOTING

---

- **Keyboard Not Responding:**
  - Ensure the keyboard is charged or connected via USB-C.
  - Check the mode switch (2.4G, BT, Cable) is set correctly for your connection type.
  - For 2.4G, ensure the receiver is properly inserted. For Bluetooth, re-pair the device.
  - Try connecting via USB-C cable to rule out wireless issues.

- **Keys Not Registering or Double-Typing:**
  - This can sometimes be due to a faulty switch. Use the switch puller to remove the problematic switch and replace it with a new one.
  - Ensure switches are fully seated in their sockets.
  - Clean any debris around the switch.
- **Bluetooth Connection Issues:**
  - Ensure the keyboard is in Bluetooth mode and discoverable.
  - Remove the keyboard from your device's Bluetooth list and re-pair.
  - Ensure no other devices are interfering with the Bluetooth signal.
- **QMK/VIA Software Not Detecting Keyboard:**
  - Ensure the keyboard is connected via USB-C cable.
  - Verify that the keyboard's mode switch is set to 'Cable'.
  - Restart the VIA software and/or your computer.
- **RGB Backlight Not Working:**
  - Check keyboard brightness settings using onboard controls or VIA software.
  - Ensure the keyboard is not in a low-power mode.

## SPECIFICATIONS

Feature	Detail
Model Number	Q6M-M1
Product Dimensions	17.56 x 5.39 x 12.83 inches (44.6 x 13.7 x 32.6 cm)
Item Weight	5.39 pounds (2.44 kg)
Manufacturer	Keychron
Batteries	1 Lithium Polymer battery (included)
Compatible Devices	macOS, Windows, Linux
Connectivity Technology	2.4 GHz Wireless, Bluetooth 5.1, Type-C Wired
Special Feature	Backlit (RGB)
Keyboard Backlighting Color Support	RGB
Polling Rate	1000 Hz (2.4 GHz & Wired), 90 Hz (Bluetooth)
Customization	QMK/VIA Programmable
Switch Compatibility	3-pin and 5-pin MX style mechanical switches (hot-swappable)
Construction	Full-metal body, Double-gasket design



# RESPONSE SPEED COMPARISON

📶 2.4G Mode



**Keychron  
Q Max Keyboard**



**One Other  
Mechanical Keyboard**

📶 BT Mode



**Keychron  
Q Max Keyboard**



**One Other  
Mechanical Keyboard**

Source: RTINGS

Image: Response speed comparison for 2.4G and Bluetooth modes.

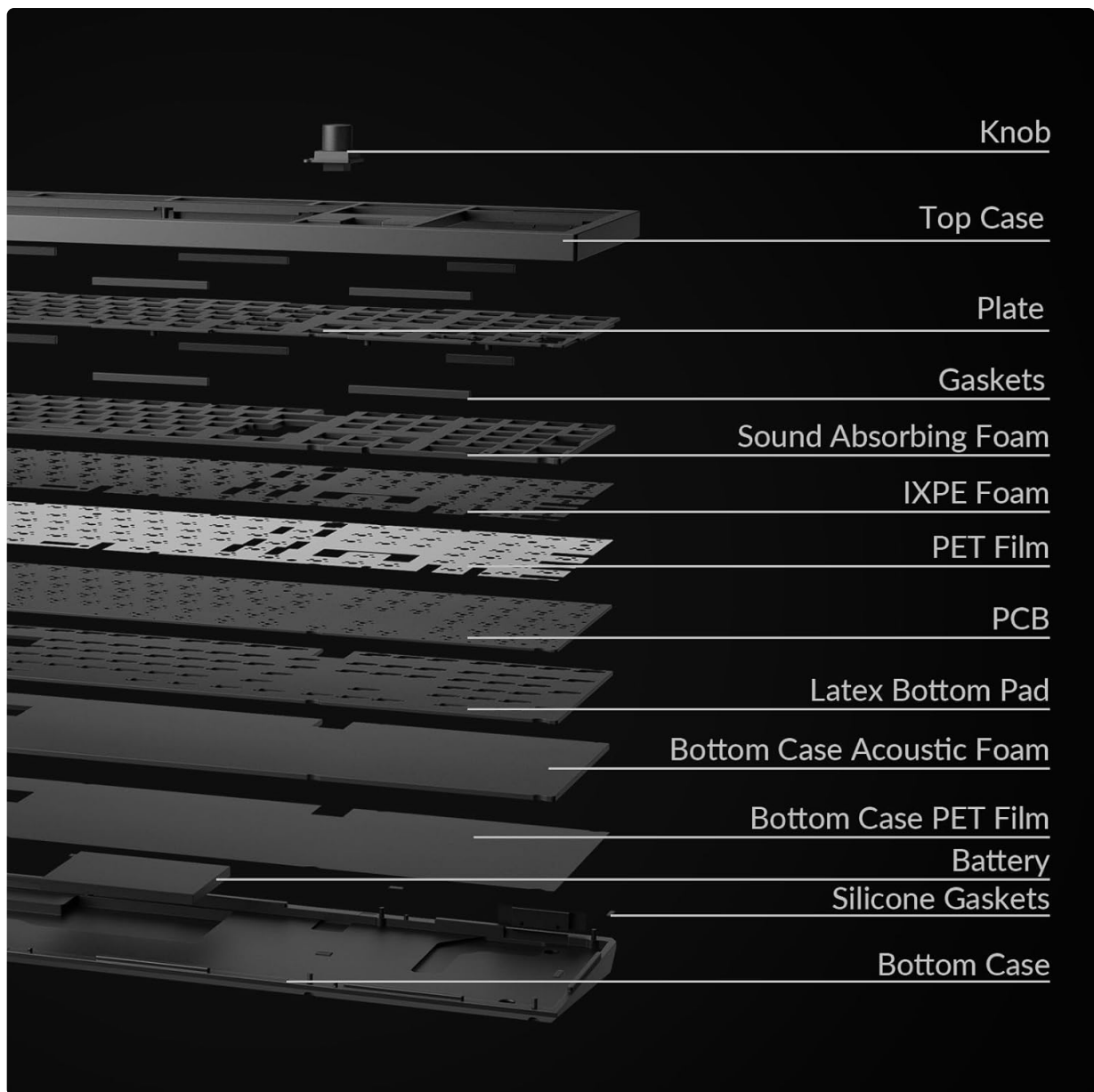


Image: Exploded view illustrating the internal layers and components of the keyboard.






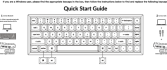
## WARRANTY AND SUPPORT

Warranty information for your Keychron Q6 Max keyboard is typically provided with the product packaging or can be found on the official Keychron website. For technical support, troubleshooting assistance, or warranty claims, please refer to the manufacturer's official support channels.

Manufacturer: Keychron

For the most up-to-date support resources, visit the [Keychron Official Website](#).

## Related Documents - Q6M-M1

	<p><a href="#">Keychron V2 Wired Custom Mechanical Keyboard - QMK/VIA Programmable 65% Layout</a></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><a href="#">Keychron Q2 Pro Bluetooth Mechanical Keyboard: User Manual, Setup, and Features</a></p> <p>Comprehensive guide to the Keychron Q2 Pro Bluetooth Mechanical Keyboard. Learn about its features, setup, VIA key remapping, layers, connectivity, troubleshooting, specifications, and safety information.</p>
	<p><a href="#">Keychron Q5 Customizable Mechanical Keyboard User Manual - Knob Version</a></p> <p>User manual for the Keychron Q5 Customizable Mechanical Keyboard, Knob Version. Features include QMK/VIA programmability, hot-swappable switches, double gasket design, and RGB backlighting. This guide covers package contents, setup, layers, backlight control, specifications, troubleshooting, and warranty.</p>
	<p><a href="#">Keychron V1 Knob Mechanical Keyboard Quick Start Guide - Setup &amp; Customization</a></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><a href="#">Keychron C2 Full Size Mechanical Keyboard User Guide</a></p> <p>User guide for the Keychron C2 Full Size Mechanical Keyboard, detailing setup, function key customization, lighting effects, key remapping, Siri/Cortana activation, backlight control, and factory reset procedures.</p>
	<p><a href="#">Keychron K6 Pro Wireless Mechanical Keyboard: QMK/VIA Customization Guide</a></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>