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› **Keychron Q6 Max QMK/VIA Bluetooth Wireless /2.4 GHz/USB-C Wired Custom Mechanical Keyboard User Manual**

Keychron Q6 Max

Keychron Q6 Max Mechanical Keyboard User Manual
Model: Q6 Max

1. INTRODUCTION

The Keychron Q6 Max is a premium full-size wireless custom mechanical keyboard designed for enthusiasts and professionals seeking a high-performance and customizable typing experience. It features a robust full-metal CNC machined aluminum body, tri-mode connectivity (2.4 GHz, Bluetooth 5.1, and USB-C wired), and a double-gasket design for enhanced acoustics. With QMK/VIA support, every key can be remapped, and macros can be created for personalized workflows. The keyboard comes equipped with hot-swappable Gateron Banana switches and vibrant RGB backlighting.

Image: The Keychron Q6 Max keyboard, showcasing its full-size layout and aesthetic design.

2. WHAT'S IN THE BOX

Upon unboxing your Keychron Q6 Max keyboard, please verify that all the following components are included:

- 1x Fully Assembled Keyboard (including Aluminum Case, PCB, PC Plate, Sound Absorbing Foam, IXPE Foam, 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
- 1 set x Keycaps (PBT Double-shot)
- 1 set x Switches
- 1x Type-C to Type-C Cable
- 1x Type-A to Type-C Adapter
- 1x Extension Adapter for Receiver
- 1x Type-A 2.4 GHz Receiver
- 1x Keycap & Switch Puller
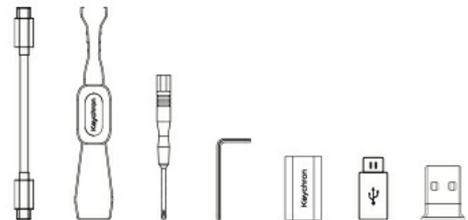- 1x Screwdriver
- 1x Hex Key

Image: A visual representation of all items included in the Keychron Q6 Max package.

3. SETUP

To begin using your Keychron Q6 Max keyboard, follow these steps for initial setup:

3.1. Connecting the Keyboard

The Q6 Max supports three connection modes: 2.4 GHz wireless, Bluetooth 5.1, and USB-C wired.

- **USB-C Wired Connection:** Connect the provided USB-C to USB-C cable to the keyboard's USB-C port and the other end to your computer. The keyboard will be powered and recognized automatically.

- **2.4 GHz Wireless Connection:** Insert the 2.4 GHz receiver into an available USB-A port on your computer. Ensure the keyboard's mode switch (located on the back) is set to 2.4G. The keyboard should connect automatically.

- **Bluetooth 5.1 Connection:** Switch the keyboard's mode switch to BT. On your computer or device, search for Bluetooth devices and select "Keychron Q6 Max" from the list. The keyboard can pair with up to three Bluetooth devices. To switch between paired devices, press *Fn + 1*, *Fn + 2*, or *Fn + 3*.

3.2. Operating System Switch

The keyboard has a dedicated switch to toggle between Mac and Windows layouts. Locate the switch on the back of the keyboard and set it to your operating system to ensure correct key functionality.
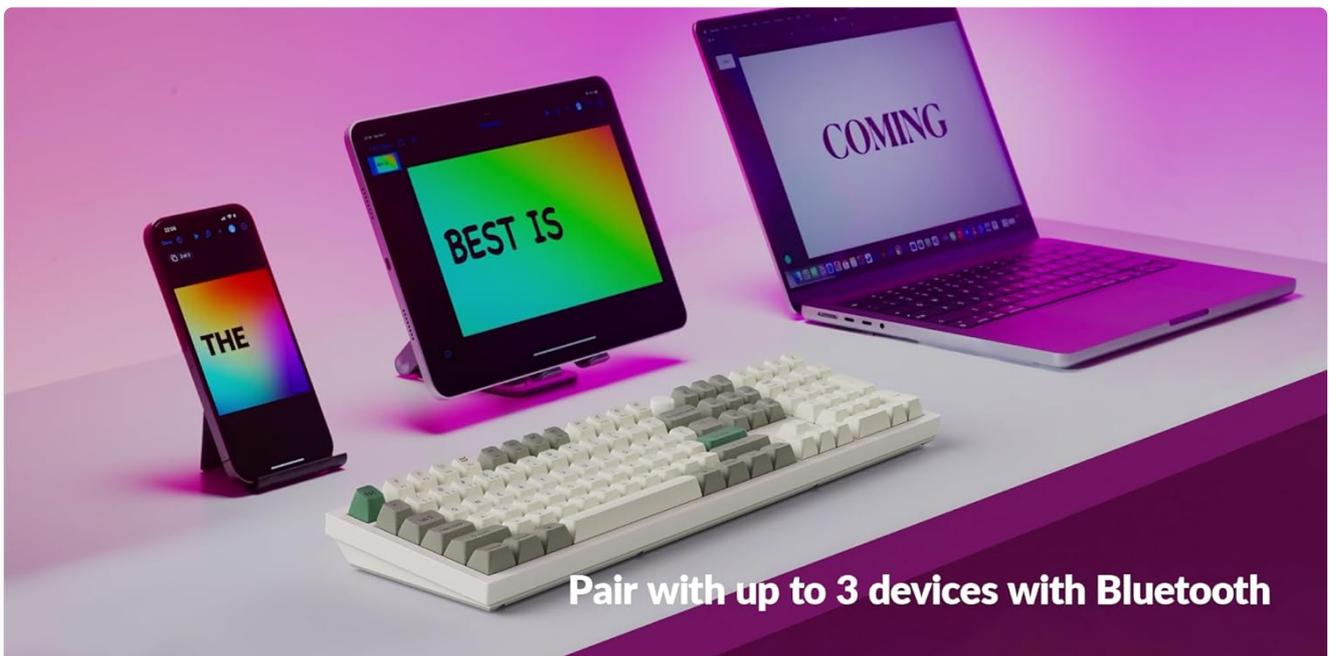

Image: Various connectivity options for the Keychron Q6 Max, including wired, 2.4 GHz wireless, and Bluetooth pairing with multiple

devices.

4. OPERATING THE KEYBOARD

4.1. Connectivity Modes

The Q6 Max offers versatile connectivity to suit various setups:

- **2.4 GHz Wireless:** Provides a rapid 1000 Hz polling rate for low-latency performance, ideal for gaming.
- **Bluetooth 5.1:** Connects to up to 3 devices simultaneously, allowing for seamless switching between computers, tablets, or smartphones.
- **USB-C Wired:** Offers a stable and reliable connection with a 1000 Hz polling rate, ensuring consistent performance.

Your browser does not support the video tag.

Video: An official overview of the Keychron Q6 Max QMK/VIA Wireless Custom Mechanical Keyboard, highlighting its features and connectivity options.

4.2. QMK & VIA Customization

The Q6 Max is fully programmable with QMK (Quantum Mechanical Keyboard) and VIA software, allowing for extensive customization:

- **Key Remapping:** Change the function of any key to suit your preferences.
- **Macro Creation:** Program complex sequences of commands to a single key or key combination.
- **Layer Management:** Create multiple keymap layers for different applications or operating systems.
- **RGB Lighting Control:** Customize backlight effects, colors, and brightness.

Access the Keychron Launcher web app (VIA) to easily configure your keyboard without needing to flash firmware.
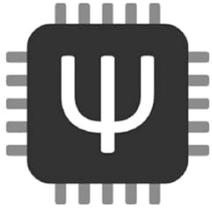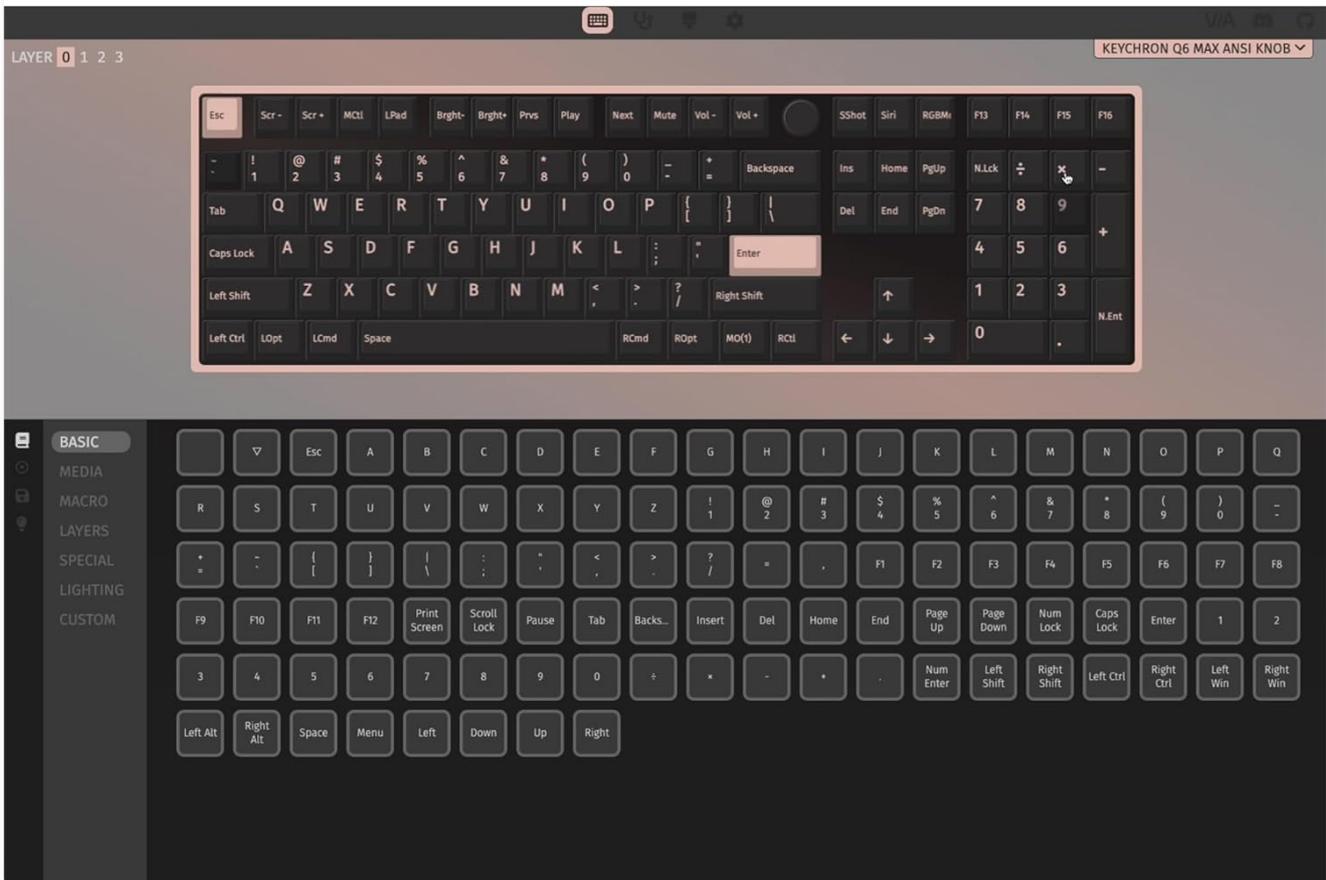
Image: The VIA software interface, demonstrating the extensive customization capabilities for the Q6 Max keyboard.

4.3. Hot-Swappable Switches

The Q6 Max features hot-swappable sockets, allowing you to change switches without soldering. This enables easy customization of typing feel and sound.

- Compatible with almost all 3-pin and 5-pin MX style mechanical switches.
- Use the included keycap and switch puller for safe removal and installation.

RESPONSE SPEED COMPARISON
🛜 2.4G Mode

2.8X Faster

Keychron
Q Max Keyboard

One Other
Mechanical Keyboard

🅱 BT Mode

1.7X Faster

Keychron
Q Max Keyboard

One Other
Mechanical Keyboard

Source: RTINGS

Image: The hot-swappable design of the Q6 Max, showing how switches can be easily replaced.

4.4. RGB Backlighting

The keyboard features per-key RGB backlighting with multiple effects and customization options through VIA. Adjust brightness and lighting patterns to match your setup or mood.

Image: The Keychron Q6 Max with its customizable RGB backlighting illuminated.

4.5. Programmable Knob

The multi-function knob on the Q6 Max can be programmed via VIA to control various functions such as volume, zoom, or custom macros, enhancing productivity.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Keychron Q6 Max keyboard.

- **Cleaning Keycaps:** Regularly wipe keycaps with a soft, damp cloth. For deeper cleaning, remove keycaps using the provided puller and wash them with mild soap and water. Ensure they are completely dry before reattaching.

- **Cleaning the Case:** Use a microfiber cloth to wipe the aluminum case. Avoid abrasive cleaners or solvents that could damage the finish.

- **Switch Maintenance:** While switches are hot-swappable, occasional dust removal from around the switch stems

can prevent debris buildup. Use compressed air for this purpose.

- **Battery Care:** The keyboard contains a 4000 mAh rechargeable Li-polymer battery. For optimal battery life, avoid fully discharging the battery frequently. Store the keyboard in a cool, dry place if not used for extended periods.

Image: The Keychron Q6 Max keyboard, highlighting its 4000 mAh rechargeable battery.

6. TROUBLESHOOTING

If you encounter issues with your Keychron Q6 Max, try the following troubleshooting steps:

- **Keyboard Not Responding:**

  - Ensure the correct connection mode (wired, 2.4G, BT) is selected via the switch on the back.
  - For wired connection, try a different USB-C port or cable.
  - For 2.4G, ensure the receiver is securely plugged in and try a different USB port.
  - For Bluetooth, ensure Bluetooth is enabled on your device and re-pair the keyboard if necessary. Check battery level.

- **Keys Not Registering or Double Tapping:**

  - This can sometimes occur due to switch issues. Try removing and re-inserting the affected switch.
  - If the issue persists, consider replacing the switch with a spare or a new one.
  - Ensure the keycap is properly seated on the switch stem.

- **RGB Backlighting Not Working:**

  - Check the brightness settings using the keyboard's function keys or via the VIA software.
  - Ensure the keyboard is powered on and has sufficient battery charge.

- **QMK/VIA Software Issues:**

  - Ensure your web browser is up to date.
  - Try a different browser or clear your browser's cache.
  - Ensure the keyboard is connected via USB-C when attempting to use VIA for configuration.

7. SPECIFICATIONS

Detailed technical specifications for the Keychron Q6 Max keyboard:

Feature	Detail
Model Number	Q6 Max
Connectivity Technology	USB-C, 2.4 GHz Wireless, Bluetooth 5.1
Polling Rate	1000 Hz (Wired & 2.4 GHz)
Keyboard Description	Mechanical
Switch Type	Gateron Banana (Hot-swappable)
Keycap Material	KSA Double-shot PBT
Backlighting	RGB
Number of Keys	104
Compatible Devices	PC (Mac, Windows, Linux)
Battery	4000 mAh Lithium Polymer (included)
Item Weight	6.49 pounds
Package Dimensions	18.86 x 8.27 x 2.7 inches
Manufacturer	Keychron
Date First Available	January 22, 2024

8. WARRANTY AND SUPPORT

Keychron products are designed for durability and performance. For specific warranty information and terms, please refer to the official Keychron website or the warranty card included with your product. For technical support, troubleshooting assistance, or inquiries about replacement parts, please contact Keychron customer service through their official channels.

You can find more information and support resources on the Keychron Store on Amazon.