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Keychron Q6M-M3S

Keychron Q6 Max Mechanical Keyboard User Manual

Model: Q6M-M3S

Brand: Keychron

PRODUCT OVERVIEW

The Keychron Q6 Max is a full-metal, QMK/LAUNCHER compatible wireless mechanical keyboard featuring a 100% full-size layout. It supports versatile connectivity options including 2.4 GHz wireless, Bluetooth 5.1, and USB-C wired connections. Designed for an enhanced typing experience, it incorporates a double-gasket structure and multi-layer acoustic foam for superior sound and feel. This keyboard is fully programmable and hot-swappable, allowing for extensive customization.



Figure 1: Keychron Q6 Max Mechanical Keyboard with Gateron Brown Switch.

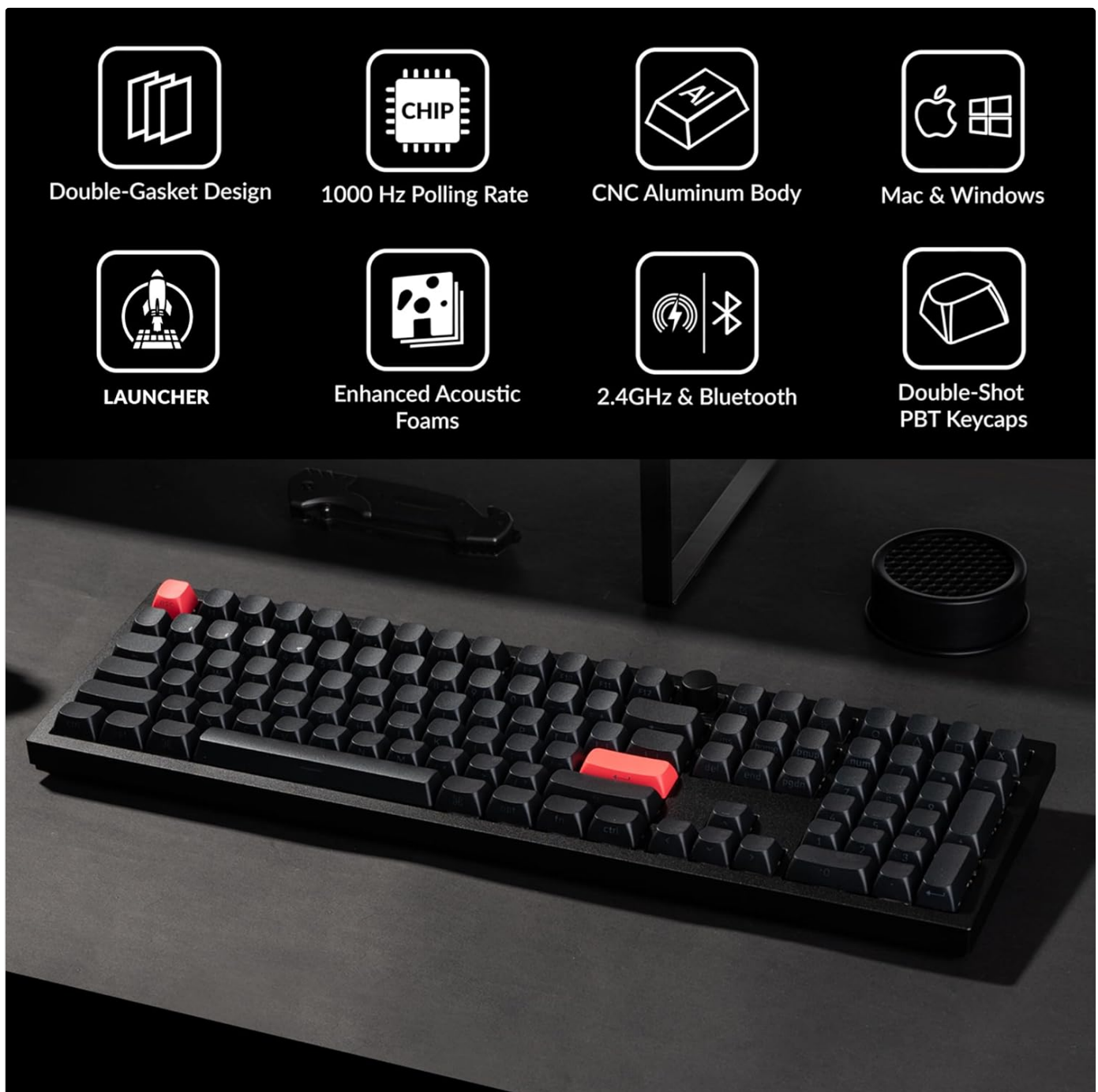


Figure 2: Overview of Key Features.

SETUP

1. Package Contents

Before beginning, ensure all components are present:

- 1x Fully Assembled Keyboard (including Aluminum Case, PCB, PC Plate, Sound Absorbing Foam, IXPE Foam, PET Film, Latex Bottom Pad, Bottom Case Acoustic Foam, Bottom Case PET Film, Gaskets, Stabilizers, Keycaps, Switches)
- 1x Type-A 2.4 GHz Receiver
- 1x Keycap & Switch Puller
- 1x Screwdriver
- 1x Hex Key
- 1x Type-C to Type-C Cable

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

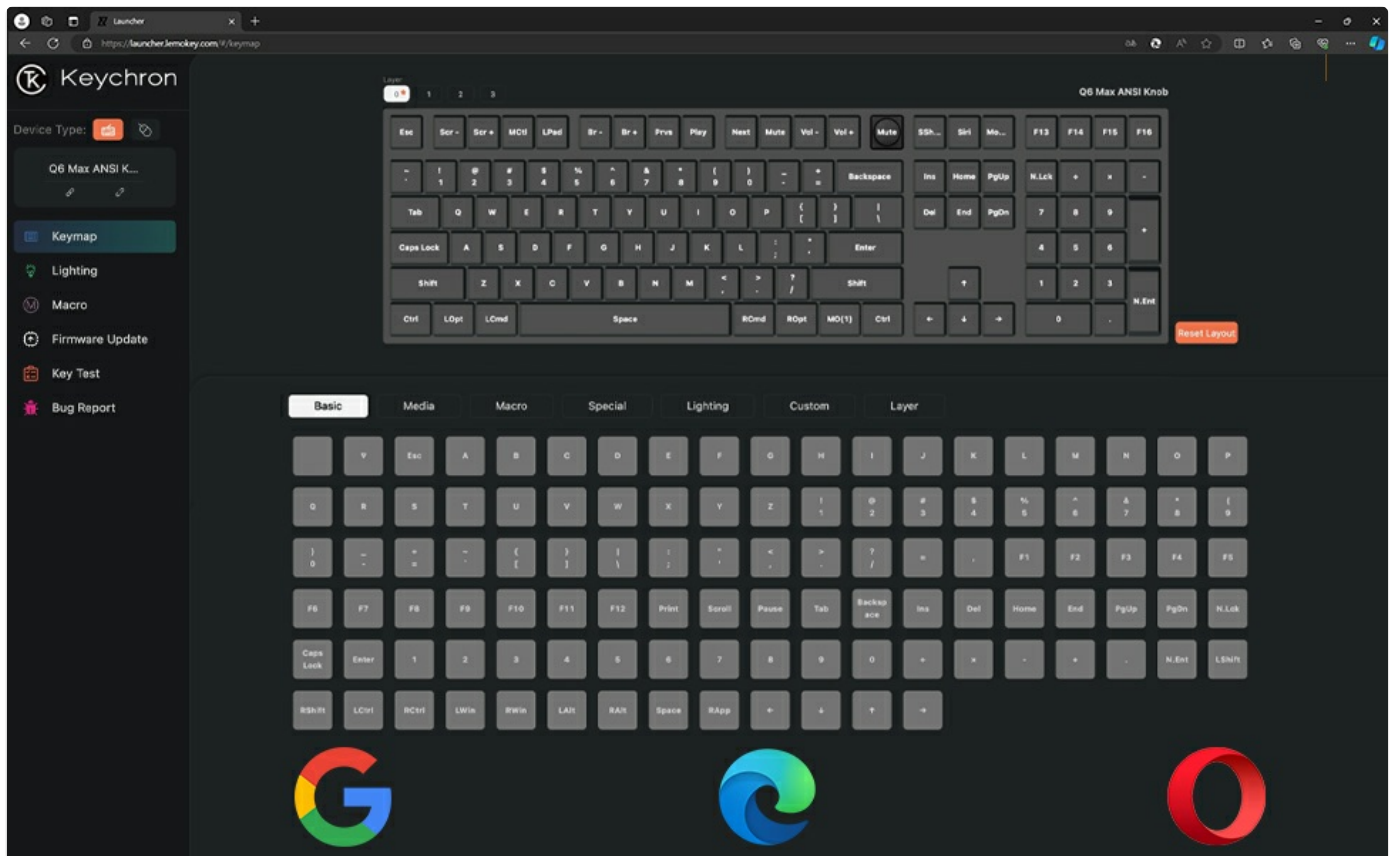


Figure 3: Package Contents for Fully Assembled Knob Version.

2. Connectivity Options

The Keychron Q6 Max supports three connection modes:

- **2.4 GHz Wireless:** For a high-speed, low-latency connection. Insert the included 2.4 GHz receiver into your computer's USB-A port.
- **Bluetooth 5.1:** For connecting to up to three devices simultaneously. Ideal for multitasking across different systems.
- **USB-C Wired:** For a direct, reliable connection and charging. Use the provided USB-C to USB-C cable or USB-A to USB-C adapter.

3. Operating System Compatibility

The keyboard features a physical switch to toggle between macOS and Windows layouts. This ensures full compatibility and proper key mapping for both operating systems.

Switch layouts between macOS & Windows



Figure 4: OS Layout Switch and USB-C Port.

OPERATING INSTRUCTIONS

1. Key Remapping and Macros (QMK/LAUNCHER)

The Keychron Q6 Max is fully programmable via QMK firmware and the Keychron LAUNCHER web-based software. This allows you to:

- Remap any key to a different function.
- Create custom macro commands for complex sequences.
- Assign shortcuts or key combinations.

Access the LAUNCHER software through your web browser to customize your keyboard's layout and functions. Refer to the official Keychron website for detailed instructions on using the LAUNCHER interface.

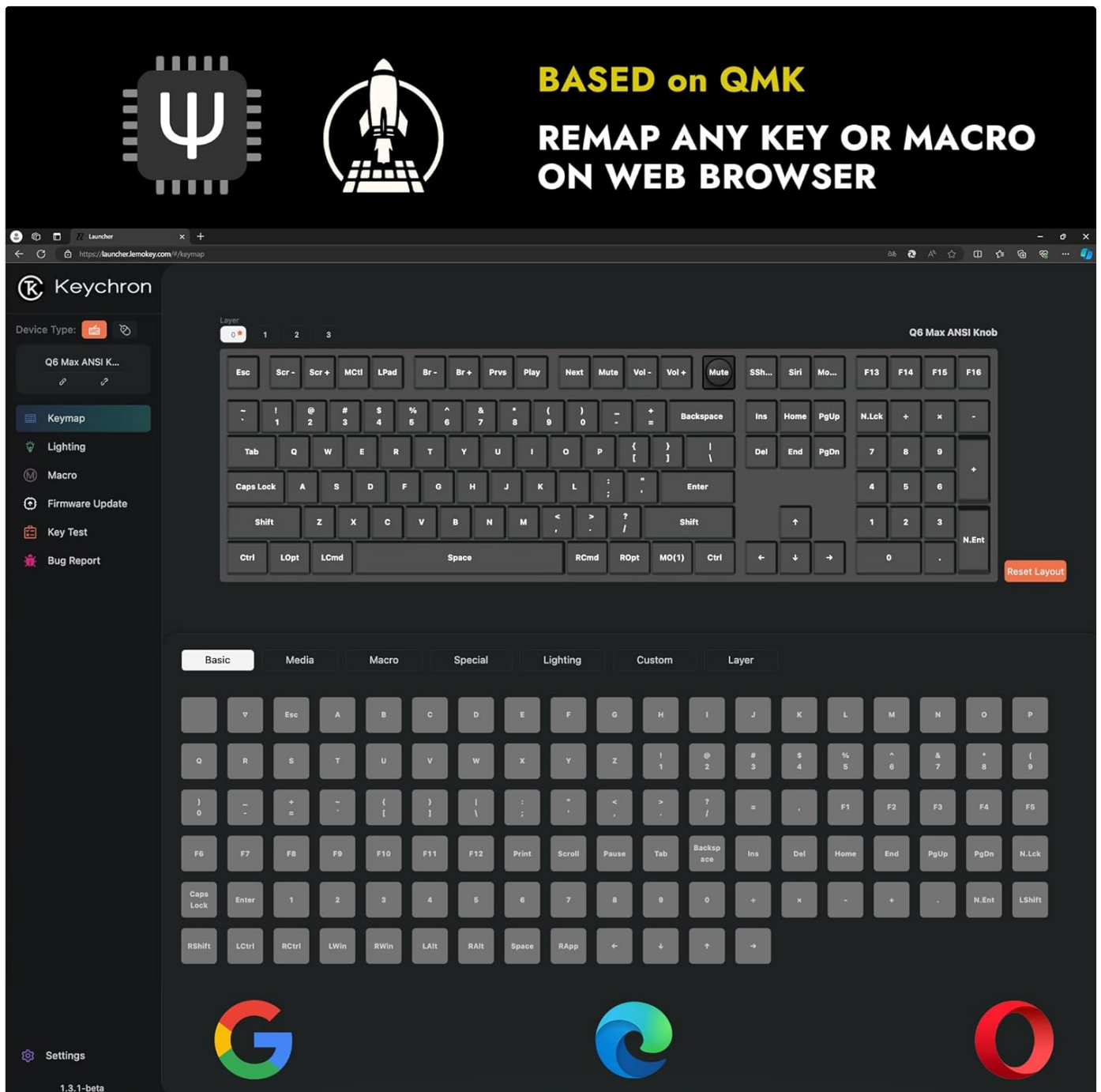


Figure 5: Key Remapping Interface (LAUNCHER).

2. Hot-Swappable Switches

The keyboard features hot-swappable sockets, allowing you to change mechanical switches without soldering. This provides flexibility to customize your typing feel with various 3-pin and 5-pin MX-style switches (e.g., Cherry, Gateron, Kailh, Panda).

To replace a switch:

1. Gently remove the keycap using the included keycap puller.
2. Use the switch puller to carefully extract the switch from its socket.
3. Align the pins of the new switch with the holes in the PCB and press firmly until it clicks into place.
4. Re-attach the keycap.

Hot-Swappable Double-Shot PBT Keycaps



Figure 6: Hot-Swappable Switches.

3. RGB Backlighting

The Keychron Q6 Max features vibrant RGB backlighting with various effects and customization options. These can typically be controlled via key combinations on the keyboard itself or through the LAUNCHER software for more advanced settings.

RGB Backlit Side-Printed Shine-Through Keycaps



**Less distracting during use and provides a fantastic
backlight shine-through effect**

Figure 7: RGB Backlighting.

4. Rotary Knob Functionality

The integrated rotary knob provides convenient control over multimedia functions such as volume adjustment, play/pause, and track navigation. Its specific functions can also be customized via the QMK/LAUNCHER software.

MAINTENANCE

1. Cleaning the Keyboard

- **General Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe down the keycaps and case. Avoid excessive moisture.
- **Deep Cleaning:** For thorough cleaning, remove keycaps using the provided keycap puller. Use compressed air to remove dust and debris from between the switches. Clean individual keycaps with a mild soap and water solution, ensuring they are completely dry before reattaching.

2. Switch and Keycap Replacement

As the keyboard is hot-swappable, switches and keycaps can be replaced as needed. Refer to the "Hot-Swappable Switches" section under Operating Instructions for detailed steps. Ensure replacement components are compatible with MX-style switches and standard keycap profiles.

TROUBLESHOOTING

Common Issues and Solutions

- **Keyboard Not Responding:**
 - Ensure the correct connectivity mode (2.4 GHz, Bluetooth, or Wired) is selected via the switch on the keyboard.
 - For wired connection, check the USB-C cable and port.
 - For 2.4 GHz, ensure the receiver is properly inserted and the keyboard is in 2.4 GHz mode.
 - For Bluetooth, ensure the keyboard is paired and selected as the active device on your computer. Try re-pairing if necessary.
 - Check battery level. Connect the keyboard via USB-C to charge.
- **Keys Not Registering or Double-Typing:**
 - Remove the keycap and switch for the affected key. Inspect the switch for any visible damage or debris.
 - Clean the switch socket with compressed air.
 - Try swapping the problematic switch with a known working switch from another less-used key to determine if the issue is with the switch or the PCB socket.
 - Ensure the switch is fully seated in the socket.
- **RGB Backlighting Not Working:**
 - Check keyboard shortcuts for lighting control (refer to the keyboard's quick start guide or Keychron website).
 - Ensure the keyboard's battery has sufficient charge.
 - If using LAUNCHER, verify lighting settings within the software.
- **Bluetooth Connection Issues:**
 - Ensure the keyboard is in Bluetooth mode and discoverable.
 - Remove the keyboard from your device's Bluetooth list and re-pair it.
 - Ensure your device's Bluetooth drivers are up to date.

SPECIFICATIONS

Feature	Detail
Model Number	Q6M-M3S
Connectivity	2.4 GHz Wireless, Bluetooth 5.1, USB-C Wired
Polling Rate	1000 Hz (2.4 GHz Wireless & Wired)
Keyboard Layout	Full Size (100%) QWERTY
Switch Type	Gateron Brown (Hot-swappable, compatible with 3-pin/5-pin MX style)
Keycaps	Double-Shot PBT

Feature	Detail
Body Material	CNC Aluminum
Backlighting	RGB
Battery	Lithium Polymer (included)
Item Weight	6.34 pounds (approx. 2.88 kg)
Package Dimensions	18.9 x 8.4 x 2.8 inches (approx. 48 x 21.3 x 7.1 cm)
Compatible Devices	PC (Mac, Windows, Linux)

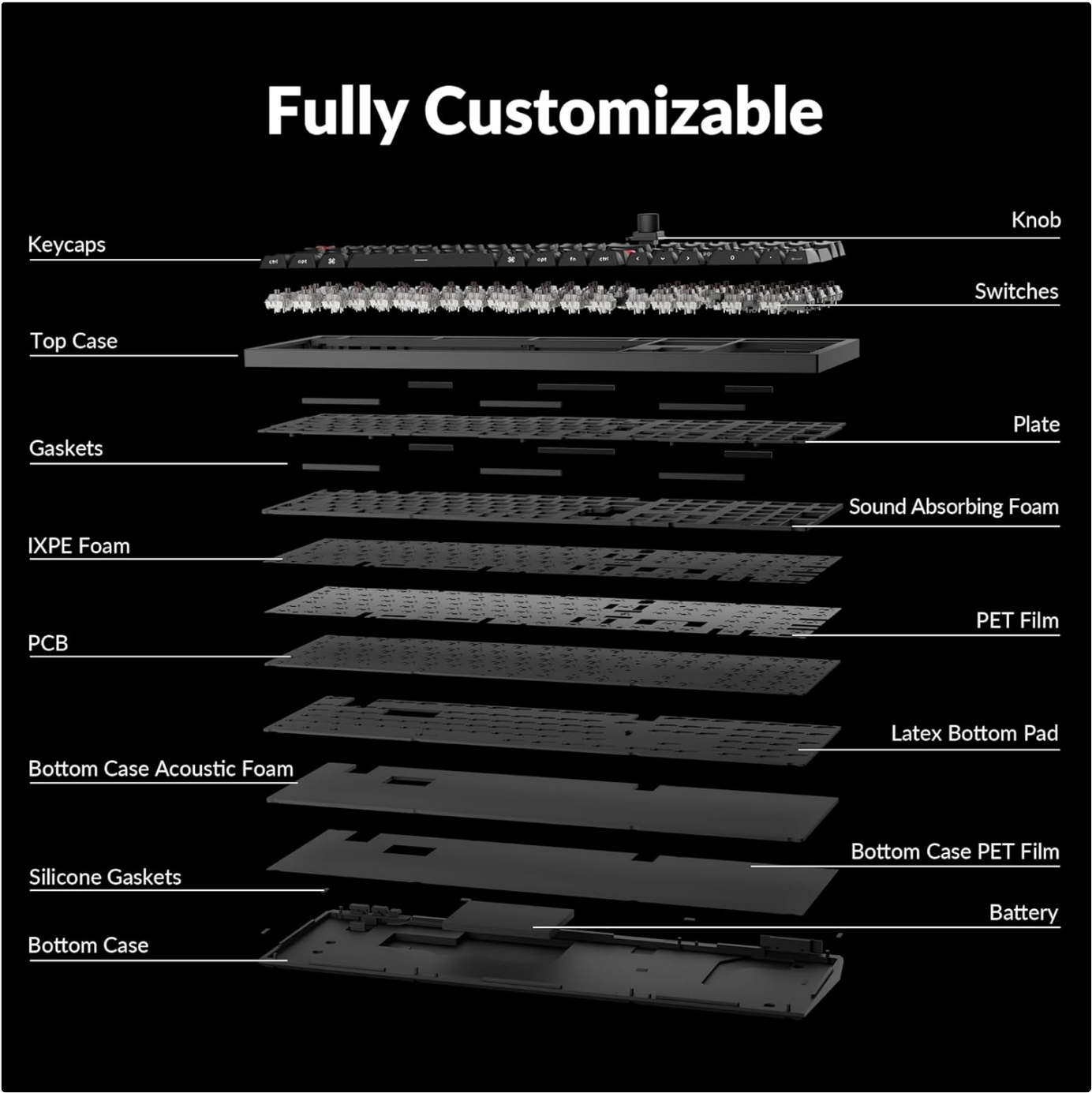


Figure 8: Exploded View of Keyboard Components.

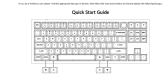
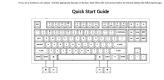






Figure 9: Gateron Jupiter Switch Specifications.

WARRANTY AND SUPPORT

For warranty information, technical support, and further assistance, please visit the official Keychron website or contact Keychron customer service directly. Details regarding product registration, warranty claims, and support resources can be found on their dedicated support pages.
Official Keychron Store: [Keychron Amazon Store](#)

Related Documents - Q6M-M3S

	<p>Keychron Q3 Knob Version Quick Start Guide</p> <p>A quick start guide for the Keychron Q3 Knob Version mechanical keyboard, covering system switching, VIA software usage, layers, backlighting, warranty, and factory reset.</p>
	<p>Keychron Q3 Quick Start Guide and VIA Software Setup</p> <p>This guide provides instructions for setting up the Keychron Q3 mechanical keyboard, including system switching, using the VIA key remapping software, controlling backlighting, understanding warranty terms, and performing a factory reset. It also includes links to download necessary software and firmware.</p>
	<p>Keychron V5 Max Quick Start Guide</p> <p>A comprehensive guide to setting up and using the Keychron V5 Max custom wireless mechanical keyboard, covering 2.4GHz, Bluetooth, and wired connections, backlighting, key rollover, VIA software, and troubleshooting.</p>

	<p>Keychron V1 Knob Mechanical Keyboard Quick Start Guide - Setup & Customization</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>Keychron K5SE Bluetooth Mechanical Keyboard User Manual</p> <p>A comprehensive guide to the Keychron K5SE Bluetooth Mechanical Keyboard, covering setup, features, troubleshooting, and specifications. Learn how to connect, customize lighting, and optimize your typing experience.</p>
	<p>Keychron V2 Wired Custom Mechanical Keyboard - QMK/VIA Programmable 65% Layout</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>