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› Keychron V6 Max Wireless Custom Mechanical Keyboard User Manual

Keychron V6 Max

Keychron V6 Max Wireless Custom Mechanical Keyboard User Manual

Model: V6 Max | Brand: Keychron

1. INTRODUCTION

The Keychron V6 Max is a QMK custom mechanical keyboard designed for peak productivity and versatility. It features 2.4 GHz and Bluetooth 5.1 wireless connectivity, a full-size 100% layout, and a highly customizable design compatible with Mac, Windows, and Linux operating systems. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your keyboard.



Image: Keychron V6 Max Wireless Custom Mechanical Keyboard with a close-up of a Gateron Jupiter Brown switch.

2. WHAT'S IN THE BOX

Verify that all items are present in your Keychron V6 Max package:

- 1x Fully Assembled Keyboard (including Case, PCB, PC Plate, Sound Absorbing Foam, 8 Sets x Stabilizers, 1 Set x Keycaps (PBT Double-shot), 1 Set x Switches)
- 1x Type-A 2.4 GHz Receiver
- 1x Type-C 2.4 GHz Receiver
- 1x USB Cable (Type-C to Type-C)
- 1x Type-A to Type-C Adapter
- 1x Extension Adapter for Receiver
- 1x Keycap & Switch Puller
- 1x Screwdriver
- 1x Hex Key



Image: Diagram showing all components included in the V6 Max package, such as the keyboard, receivers, cables, and tools.

3. SETUP

3.1 Connectivity Options

The V6 Max offers flexible connectivity to suit various setups:

- **2.4 GHz Wireless:** For a rapid 1000 Hz polling rate, insert the 2.4 GHz receiver into your device's USB port.
- **Bluetooth 5.1:** Connect to up to 3 devices simultaneously for seamless multitasking. Pair your keyboard via Bluetooth settings on your device.
- **Wired (USB-C):** Use the provided USB-C cable for a direct, stable connection and to charge the keyboard's internal battery.



PROGRAMMABLE KNOB

Image: A Keychron V6 Max keyboard shown with a computer monitor and tablet, illustrating its wireless and wired connectivity options.



Image: Icons representing 2.4GHz, Bluetooth 5.1, and USB Wired connectivity options.

3.2 Operating System Switch

The V6 Max features a physical switch on the back to toggle between Windows and macOS layouts, ensuring full compatibility and correct key functions for your preferred operating system.



Image: Close-up of the physical switch on the keyboard to select between Windows and macOS modes.

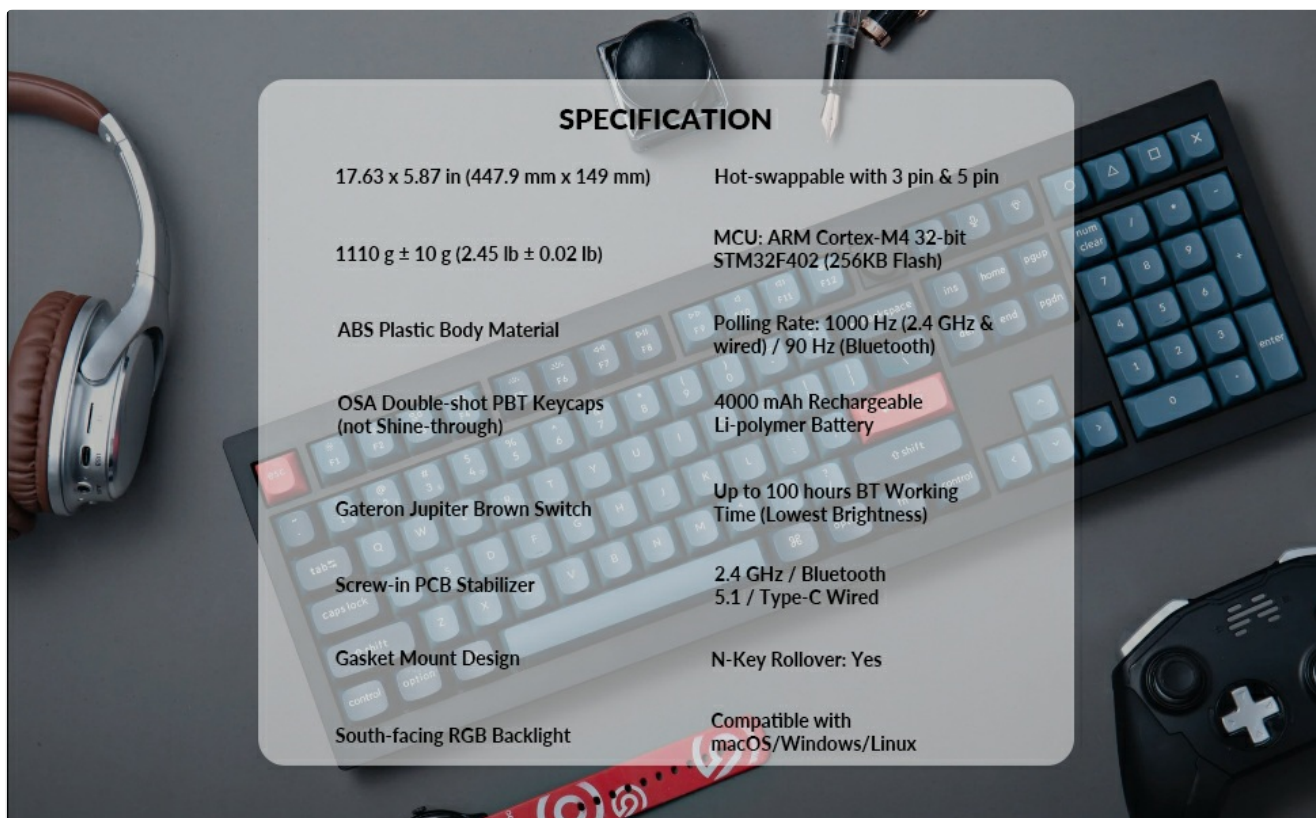


Image: Visual representation of the keyboard's compatibility with QMK, Windows, Linux, and macOS operating systems.

4. OPERATING YOUR KEYBOARD

4.1 Key Remapping with Keychron Launcher

Customize your keyboard layout and assign macro commands using the Keychron Launcher web app. Connect your V6 Max via cable, open the web app, and drag-and-drop functions to remap any key for a fluid workflow across macOS, Windows, or Linux. You can also create custom keymaps with open-sourced QMK firmware.

SUPPORTS WIRELESS AND WIRED MODES



Image: Screenshot of the Keychron Launcher web application interface, demonstrating how to remap keys and assign macro commands.

4.2 Hot-swappable Switches

The V6 Max allows you to hot-swap any pre-lubed tactile brown switch with almost all 3-pin and 5-pin MX mechanical switches on the market without soldering. This feature enables easy customization of your typing experience. The PCB-mounted screw-in stabilizers for larger keys (Space bar, Shift, Enter, Delete) ensure less wobbliness and smooth performance.



Image: Close-up view of the keyboard with several keycaps removed, showing the hot-swappable switch sockets and a Gateron Jupiter Brown switch.



GATERON JUPITER BROWN SWITCH

Operating Force: 55 ± 15 gf

Pre-travel: 2 ± 0.6 mm

Travel Distance: 4 mm max.

Behavior: Tactile

Image: Detailed specifications for the Gateron Jupiter Brown Switch, including operating force, pre-travel, travel distance, and tactile behavior.

4.3 RGB Backlighting and PBT Keycaps

The unique OSA profile double-shot non-backlight shine-through PBT keycaps offer excellent oil resistance and enhance typing feel, preventing legends from fading. The south-facing RGB lighting allows you to adjust hue, saturation, brightness, effect speed, and different modes using combination keys.

OSA DOUBLE-SHOT PBT KEYCAPS



Image: Close-up of the keyboard highlighting the OSA Double-shot PBT keycaps.

4.4 Programmable Knob

The V6 Max features a programmable knob, typically used for volume control (turn to adjust, press to mute). This knob can also be customized via the Keychron Launcher web app to perform other functions.



Image: Close-up of the programmable knob located on the top right of the keyboard.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Keychron V6 Max keyboard, regular maintenance is recommended:

- **Cleaning:** Regularly wipe down the keycaps and case with a soft, lint-free cloth. For deeper cleaning, remove keycaps using the provided keycap puller and clean underneath.
- **Switch and Keycap Replacement:** Utilize the included keycap and switch puller tools for safe removal and installation of switches and keycaps. Refer to section 4.2 for details on hot-swapping.
- **Battery Care:** The keyboard uses a 4000 mAh rechargeable Li-polymer battery. Avoid extreme temperatures and fully discharging the battery frequently to prolong its lifespan.



Image: A close-up of a keycap and switch being removed from the keyboard, demonstrating the hot-swappable feature.

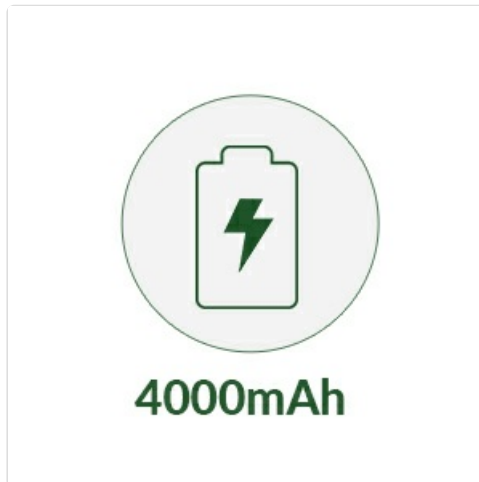


Image: An icon representing the 4000mAh battery capacity of the keyboard.

6. TROUBLESHOOTING

If you encounter issues with your Keychron V6 Max, refer to the following common solutions:

- **Connectivity Issues:**

- Ensure the keyboard is charged.
- 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 in Bluetooth mode and correctly paired with your device. Try unpairing and re-pairing if issues persist.
- For wired, ensure the USB-C cable is securely connected to both the keyboard and your device.

- **RGB Lighting Not Working/Incorrect:**

- Check keyboard brightness settings using combination keys (refer to quick user guide).
- Ensure the keyboard is not in a low-power mode that disables lighting.
- Use the Keychron Launcher software to reset or reconfigure lighting effects.

- **Keys Not Responding:**

- If a specific key is not responding, carefully remove the keycap and switch using the provided tools. Re-insert the switch firmly to ensure proper contact.
- If the issue persists, try swapping the problematic switch with a known working switch to determine if the switch or the PCB socket is at fault.

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	17.63 x 5.87 x 1.28 inches (447.9 mm x 149 mm x 32.5 mm)
Item Weight	3.79 pounds (1110 g ± 10 g)
Connectivity Technology	2.4 GHz Wireless, Bluetooth 5.1, USB-C Wired
Polling Rate	1000 Hz (2.4 GHz & wired) / 90 Hz (Bluetooth)
Number of Keys	108
Keycaps	OSA Double-shot PBT Keycaps (non-shine-through)
Switches	Hot-swappable Gateron Jupiter Brown Switch (3-pin & 5-pin compatible)
Stabilizer	Screw-in PCB Stabilizer
Mount Design	Gasket Mount Design
Backlighting	South-facing RGB
Battery	4000 mAh Rechargeable Li-polymer Battery
Battery Life	Up to 100 hours BT Working Time (Lowest Brightness)
MCU	ARM Cortex-M4 32-bit STM32F402 (256KB Flash)
N-Key Rollover	Yes
Compatible Devices	Laptop, PC, Tablet, Smartphone
Compatible OS	macOS/Windows/Linux

Easy Assemble

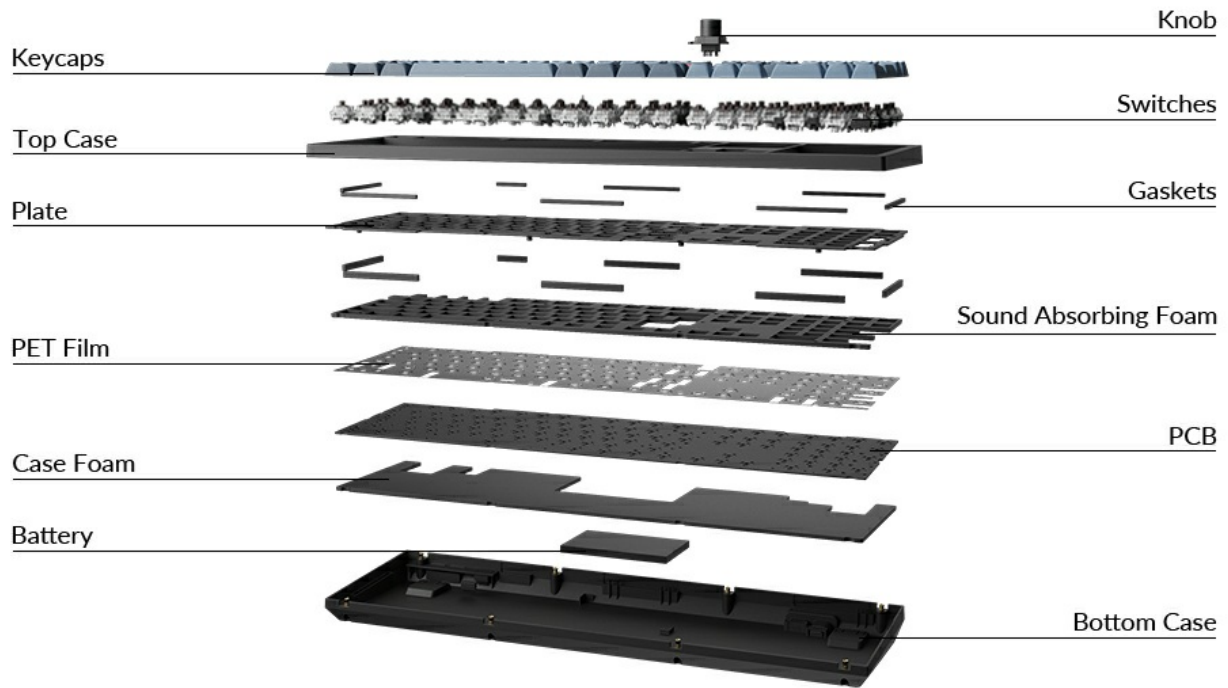


Image: A graphic displaying the detailed technical specifications of the Keychron V6 Max keyboard.

8. WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance, please refer to the official Keychron website or contact their customer service. Keep your proof of purchase for warranty claims.

You can find more information and support resources at the [Keychron Store on Amazon](#).

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Email

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Question

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question