Keychron K2M-B4

Keychron K2 Max QMK/VIA Wireless Mechanical Keyboard User Manual

Model: K2M-B4

INTRODUCTION

The Keychron K2 Max is a versatile 75% layout mechanical keyboard designed for seamless integration across multiple operating systems and connectivity options. It supports 2.4 GHz wireless, Bluetooth 5.1, and Type-C wired connections, offering a 1000Hz polling rate in 2.4G and wired modes for optimal performance in both gaming and professional environments. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your K2 Max keyboard.

The Keychron K2 Max 75% layout mechanical keyboard, featuring a compact design and a sample of the Keychron Super Banana switch.

SETUP

Package Contents

Before you begin, ensure all components are present in your package:

- 1x Fully Assembled Keyboard
- 1x Keycap & Switch Puller
- 1x Screwdriver
- 1x Type-A 2.4GHz Receiver
- 1x Extension Adapter For Receiver
- 1x Type-A to Type-C Cable
- Extra keycaps for Windows layout

Fully Assembled Version

Keyboard
1x Fully Assembled Keyboard

Tools
1x Keycap & Switch Puller
1x Screwdriver

Receiver
1x Type-A 2.4GHz Receiver
1x Extension Adapter For Receiver

Cable
1x Type-A to Type-C Cable

Illustration of the items included with the Keychron K2 Max Fully Assembled Version.

Initial Charging

The keyboard comes with a built-in 4000mAh rechargeable battery. For optimal performance, it is recommended to fully charge the keyboard before first use. Connect the provided Type-A to Type-C cable to the keyboard's USB-C port and a power source (e.g., computer USB port or wall adapter).
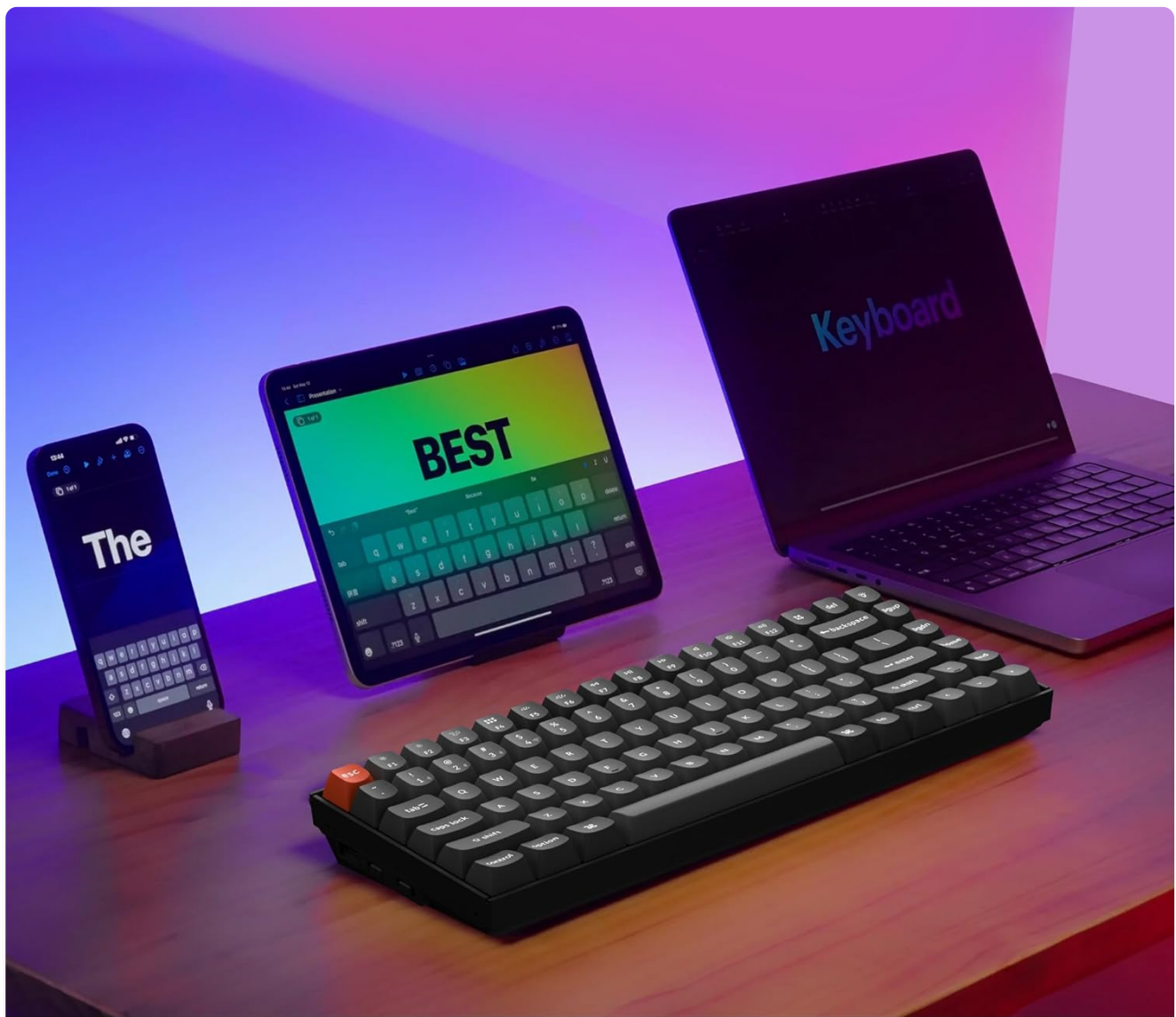
Connectivity Options

The K2 Max offers three connection modes:

- **2.4 GHz Wireless:** For a stable and fast connection, ideal for gaming. Insert the 2.4GHz receiver into a USB port on your device. The receiver can be stored in a dedicated slot on the keyboard's underside when not in use.
- **Bluetooth 5.1:** For wireless convenience with up to 3 devices. Pair the keyboard with your laptop, tablet, or smartphone.
- **Type-C Wired:** For a direct and reliable connection, also allowing charging.

The 2.4 GHz wireless dongle can be conveniently stored in a dedicated slot on the keyboard's underside.
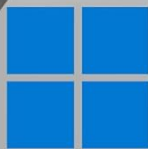
The Keychron K2 Max supports Bluetooth 5.1, 2.4 GHz Wireless, and Type-C Wired connections for versatile use across multiple devices.
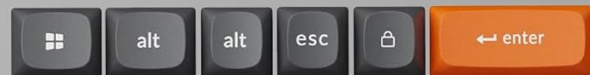
OPERATING INSTRUCTIONS

Switching Operating Systems

The K2 Max is optimized for both macOS and Windows. Use the dedicated toggle switch on the keyboard to switch between macOS and Windows layouts. Extra keycaps for Windows are included to match the layout.
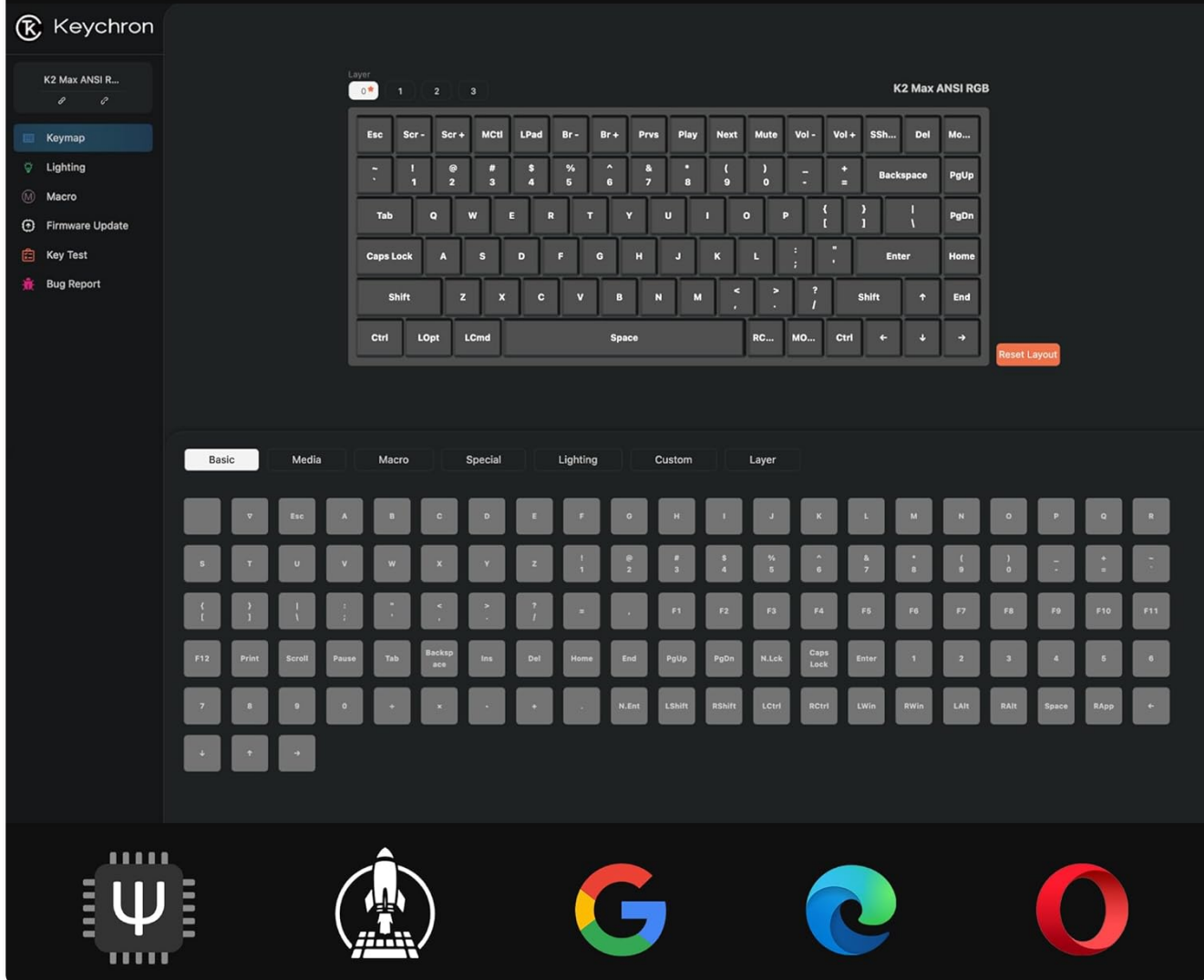
The K2 Max is compatible with both Mac and Windows operating systems, and includes additional keycaps for Windows users.

QMK/VIA Customization

The keyboard supports QMK open-source firmware, allowing extensive customization of key remapping, macros, and shortcuts. Access the Keychron Launcher web app for configuration without requiring any software installation.

Customize your Keychron K2 Max using the Keychron Launcher Web App, which requires no installation.

Backlight Control

The K2 Max features South-Facing RGB Backlight. Use the dedicated function keys to cycle through various lighting effects, adjust brightness, and change colors. Refer to the keyboard's quick start guide for specific key combinations.

Battery Life Management

The 4000mAh battery provides long-lasting performance. With the backlight off, the keyboard can last up to 190 hours. At the lowest brightness setting, it can provide approximately 100 hours of continuous use. Recharge the keyboard when the battery indicator shows low power.

Long-Lasting Battery Life Easy to Recharge

190 Hours 🔋🔋🔋
With Backlight OFF, the keyboard's battery can last up to 100 hours

100 Hours 🔋
With Backlight ON (Lowest brightness) the keyboard can last for 100 hours of continuous use

Recharge ⚡
When the battery runs out, it can be recharged

4000 Battery mAh

The Keychron K2 Max features a 4000mAh battery, offering extended usage times.

MAINTENANCE

Cleaning the Keyboard

To clean your keyboard, first disconnect it from all power sources. Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution. For cleaning between keycaps, use compressed air or a small brush. Avoid spraying liquids directly onto the keyboard.

Keycap and Switch Replacement

The Keychron K2 Max features hot-swappable switches, allowing you to change switches without soldering. Use the provided keycap and switch puller tools for safe removal and installation.

- **Removing Keycaps:** Gently pull the keycap straight up using the keycap puller.
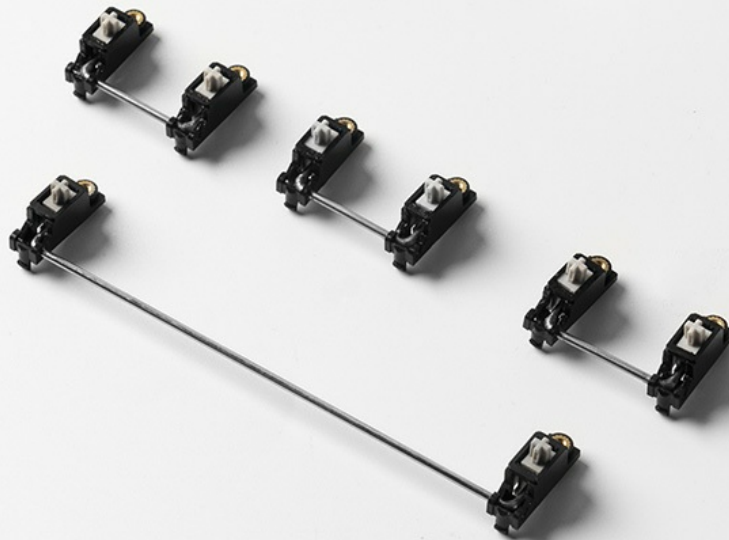
- **Removing Switches:** Insert the switch puller's prongs under the top and bottom clips of the switch and gently rock it while pulling upwards.
- **Installing Switches:** Align the pins of the new switch with the holes on the PCB and press down firmly until it clicks into place. Ensure pins are not bent.
- **Installing Keycaps:** Align the keycap with the switch stem and press down firmly.

A close-up of the mechanical switches, illustrating their design and the RGB lighting capabilities.

Explanation of double-shot keycap construction, which ensures legends do not fade over time.

Keyboard stabilizers, essential for consistent keypresses on larger keys like the spacebar and shift keys.

TROUBLESHOOTING

Connectivity Issues

- **2.4 GHz Wireless:** Ensure the receiver is securely plugged into a USB port. Try a different USB port. Ensure the keyboard is in 2.4G mode.
- **Bluetooth:** Ensure Bluetooth is enabled on your device. Unpair and re-pair the keyboard if connection is lost. Ensure the keyboard is in Bluetooth mode and selected the correct device slot (BT1, BT2, BT3).
- **Wired:** Check the USB-C cable connection at both ends. Try a different USB-C cable or port.

Keys Not Responding

- If a specific key is not responding, it might be a faulty switch. If your model is hot-swappable, try replacing the switch with a spare one or swapping it with a less frequently used key to diagnose.
- Ensure the keyboard is not in sleep mode.
- Check for any debris under the keycap or switch.

Backlight Issues

- If the backlight is off, check if it's disabled or set to the lowest brightness. Adjust using the backlight control keys.
- Ensure the keyboard has sufficient battery charge.

Charging Issues

- Ensure the charging cable is properly connected.
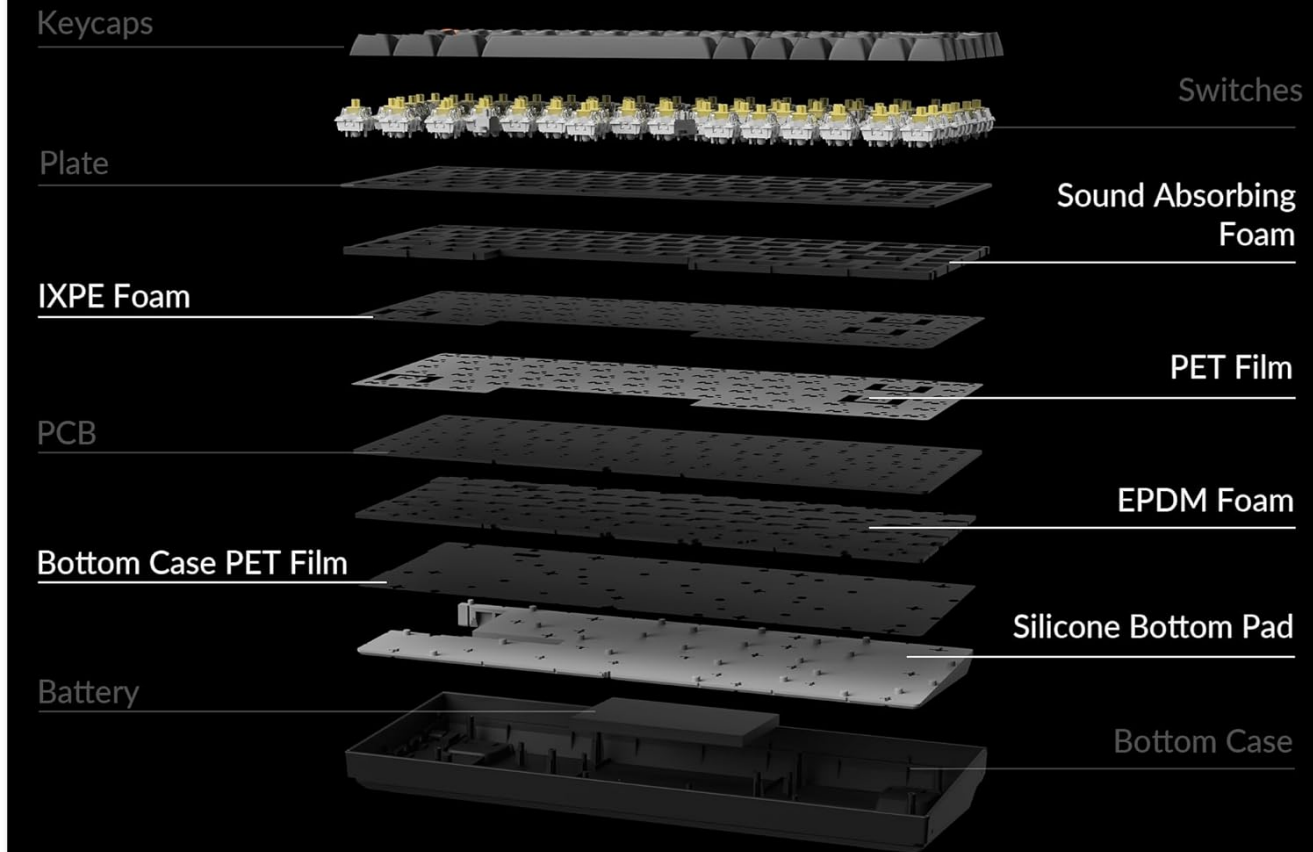- Try a different USB port or power adapter.

- Allow the keyboard to charge for a few hours.

SPECIFICATIONS

Model Name	K2M-B4
Connectivity Technology	2.4G Wireless, Bluetooth 5.1, Type-C Wired
Keyboard Description	Mechanical
Special Feature	Backlit (South-Facing RGB)
Color	Keychron Super Banana Switch (Black keyboard chassis)
Compatible Devices	Gaming Console, Laptop, PC (Mac/Windows/Linux)
Battery	4000mAh Lithium Polymer (included)
Item Weight	3.08 pounds
Package Dimensions	15.27 x 6.42 x 2.24 inches
Manufacturer	Keychron

Enhanced Acoustic Foams

Elevate your typing with premium acoustic foams
making each keystroke a sensory delight

Keycaps

Switches

Plate

Sound Absorbing Foam

IXPE Foam

PET Film

PCB

EPDM Foam

Bottom Case PET Film

Silicone Bottom Pad

Battery

Bottom Case

Detailed internal structure of the Keychron K2 Max, highlighting its enhanced acoustic foams and layered design for a premium typing experience.

WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance, please visit the official Keychron website or their Amazon store. Keychron offers various protection plans for extended coverage.
Visit the Keychron Store on Amazon for more products and support resources.

Related Documents

	[Keychron K2 Pro QMK/VIA Wireless Mechanical Keyboard Quick Start Guide](#) Quick start guide for the Keychron K2 Pro QMK/VIA Wireless Mechanical Keyboard, covering Bluetooth and cable connection, key remapping with VIA software, backlight controls, warranty, and factory reset.
	[Keychron K6 Pro Wireless Mechanical Keyboard: QMK/VIA Customization Guide](#) 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.
	[Keychron K17 Pro Bluetooth Mechanical Keyboard: User Guide and Features](#) Comprehensive guide to the Keychron K17 Pro Bluetooth Mechanical Keyboard, covering setup, features, layers, backlighting, VIA software, troubleshooting, and specifications.
	[Keychron K1 Pro Bluetooth Mechanical Keyboard User Manual and Guide](#) Comprehensive guide for the Keychron K1 Pro Bluetooth Mechanical Keyboard, covering setup, features, VIA software, layers, backlight control, troubleshooting, and specifications. Learn how to connect, customize, and maintain your keyboard.