

EPOMAKER P65

EPOMAKER P65 QMK/VIA Wireless Aluminum Gaming Keyboard User Manual

Model: P65

1. INTRODUCTION

The EPOMAKER P65 is a 65% layout mechanical keyboard featuring QMK/VIA programmability, a durable CNC aluminum chassis, and gasket-mount design. It supports multiple connectivity options including Bluetooth 5.0, 2.4GHz wireless, and USB Type-C wired connections. The keyboard includes a silver glossy knob for multimedia control and offers vibrant RGB backlighting. Its design incorporates sound-dampening materials for an optimized typing experience.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- EPOMAKER P65 Keyboard
- 1* 2-in-1 Keycap-and-Switch Puller
- 1* 2.4Ghz Wireless Receiver
- 1* Detachable USB A to USB C cable
- 3* Spare Switches
- 1* Multilingual Manual (This document)



Image: EPOMAKER P65 package contents.

3. PRODUCT OVERVIEW

The EPOMAKER P65 features a compact 65% layout with 66 keys and a rotary knob. Its construction includes an aluminum shell, PBT keycaps, lubed switches, a PC plate, and multiple sound-dampening layers for an enhanced typing experience.

Key Features:

- **Tri-Mode Connectivity:** Bluetooth 5.0, 2.4GHz Wireless, USB Type-C Wired.
- **QMK/VIA Programmability:** Customize key layouts and macros.
- **Gasket-Mount Design:** Provides a flexible and comfortable typing feel.
- **Hot-Swappable PCB:** Compatible with 3/5-pin mechanical switches without soldering.
- **Durable Aluminum Build:** CNC machined aluminum case with an anodized finish.

- **Enhanced Sound Dampening:** Multiple layers of foam (sandwich, IXPE, PET, sound-absorbing, EVA) reduce noise.
- **Vibrant RGB Backlighting:** South-facing per-key RGB LEDs.
- **N-Key Rollover (NKRO):** Ensures all key presses are registered accurately.

EPOMAKER P65

Tri-Mode QMK/VIA Aluminum Mechanical Keyboard



Tri-Mode
Wireless



Gasket-
Mount



Sound-
Dampening



Linux/Mac/PC/
Android



RGB
Backlight



Anti-
Ghosting

Image: Overview of EPOMAKER P65 key features.

CREAMY GASKET-MOUNT

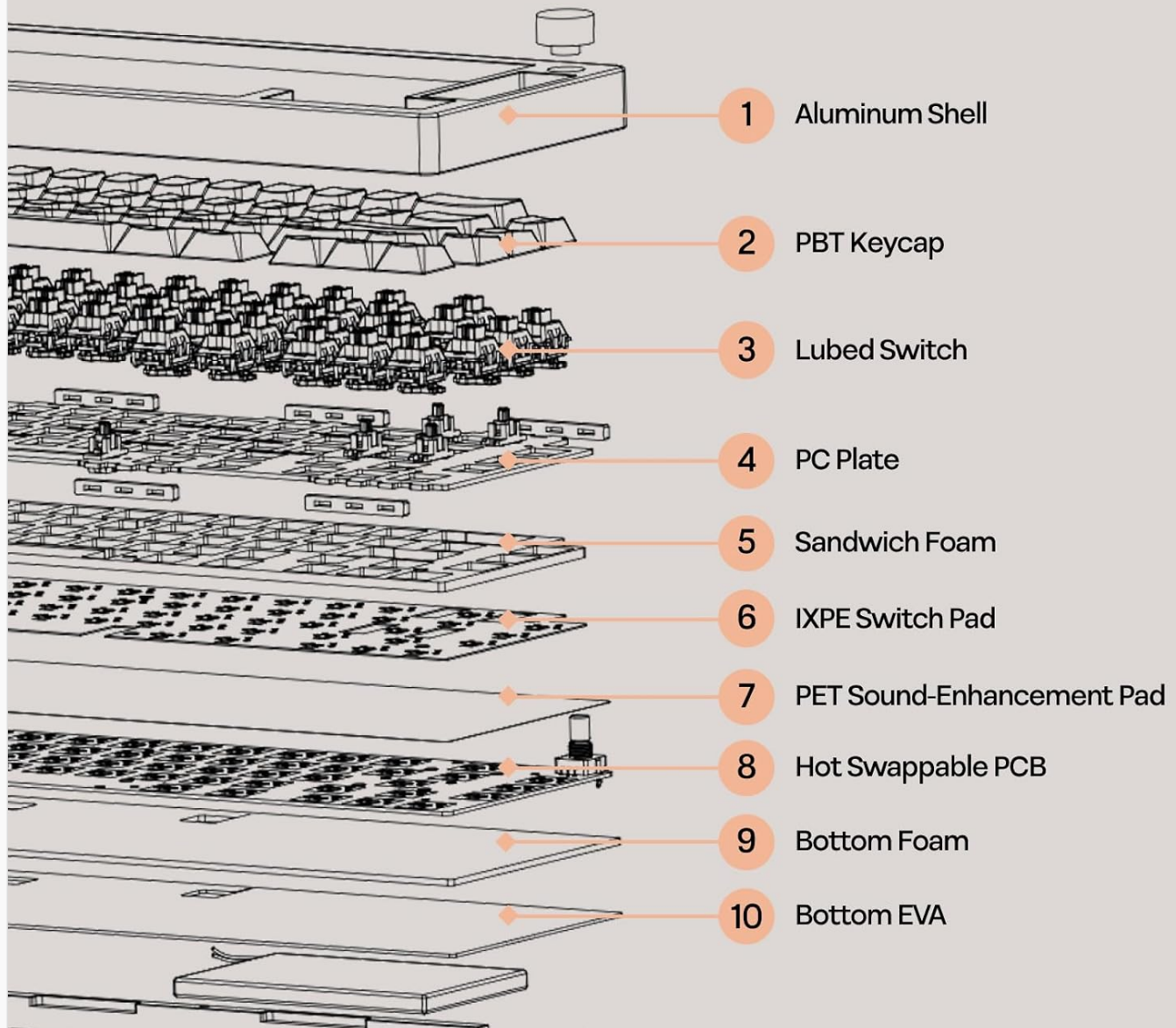


Image: Gasket-mount internal structure diagram.

4. SETUP AND INITIAL CONNECTION

To begin using your EPOMAKER P65 keyboard, follow these steps for initial setup.

4.1. Wired Connection

1. Locate the USB Type-C port on the back of the keyboard.
2. Connect the provided USB-A to USB-C cable to the keyboard and to an available USB port on your computer.
3. Ensure the mode switch on the back of the keyboard is set to 'USB'.
4. The keyboard will be recognized automatically by your operating system.

4.2. Wireless Connection (2.4GHz)

1. Locate the 2.4GHz wireless receiver (dongle) in the keyboard's magnetic storage slot or in the package.

2. Plug the 2.4GHz receiver into an available USB port on your computer.
3. Set the mode switch on the back of the keyboard to '2.4G'.
4. Press **Fn + R** on the keyboard to activate 2.4GHz pairing mode. The indicator light will flash.
5. The keyboard should connect automatically.

4.3. Bluetooth Connection

The keyboard supports up to three Bluetooth devices.

1. Set the mode switch on the back of the keyboard to 'BT'.
2. Press and hold **Fn + Q**, **Fn + W**, or **Fn + E** for 3-5 seconds to enter pairing mode for the desired Bluetooth channel. The indicator light for the selected channel will flash rapidly.
3. On your device (computer, tablet, smartphone), enable Bluetooth and search for new devices.
4. Select 'EPOMAKER P65' from the list of available devices to pair.
5. Once paired, the indicator light will stop flashing.
6. To switch between paired Bluetooth devices, press **Fn + Q**, **Fn + W**, or **Fn + E** briefly.



1000HZ
USB-C



1000HZ
2.4GHz



125HZ
Bluetooth

Image: Connectivity options and polling rates.



Image: Tri-mode wireless connectivity.

5. QMK/VIA CUSTOMIZATION

The EPOMAKER P65 supports QMK firmware and VIA software, allowing for comprehensive customization of key layouts, macros, and RGB lighting without requiring additional software downloads.

1. Download the VIA software from the official VIA website or EPOMAKER support page.
2. Connect the keyboard to your computer via USB-C cable.
3. Launch the VIA software. It should automatically detect the P65 keyboard. If not, you may need to load the appropriate .json file for the P65, which can be found on the EPOMAKER website.
4. Within VIA, you can remap keys, create custom macros, adjust RGB lighting effects, and configure different layers.
5. Changes made in VIA are applied in real-time to the keyboard's onboard memory.



Web Driver Customizable

Personalize with VIA software or QMK firmware



Setting



RGB lights



Macros



Key Layout



Mod Tap and Special Functions

Image: VIA software interface for keyboard customization.

6. BATTERY MANAGEMENT

The EPOMAKER P65 is equipped with a 4000mAh rechargeable battery for wireless operation.

6.1. Charging

Connect the keyboard to your computer or a USB power adapter using the provided USB-C cable. The keyboard will charge automatically. The indicator light will show charging status.

6.2. Battery Life

Expected battery life varies based on usage and RGB lighting settings:

- Approximately 16 hours with RGB backlighting on.
- Approximately 260 hours with RGB backlighting off.



Image: Battery life estimates.

6.3. Checking Battery Status

To check the current battery level, press a specific key combination (refer to the keyboard's quick guide or VIA software for the exact combination, often **Fn + Backspace** or similar). The RGB lighting will indicate the battery level.



Image: Battery check function.

7. SWITCH AND KEYCAP MANAGEMENT

The EPOMAKER P65 features a hot-swappable PCB, allowing you to change mechanical switches without soldering. The keycaps are also removable for customization or cleaning.

7.1. Changing Switches

1. Use the provided keycap puller to carefully remove the desired keycap.
2. Use the provided switch puller to gently grip the switch from its top and bottom clips.
3. Pull the switch straight up to remove it from the PCB.
4. Align the pins of the new switch with the holes on the PCB. Ensure the pins are straight to avoid bending.
5. Press the new switch firmly into place until it clicks.

6. Replace the keycap.

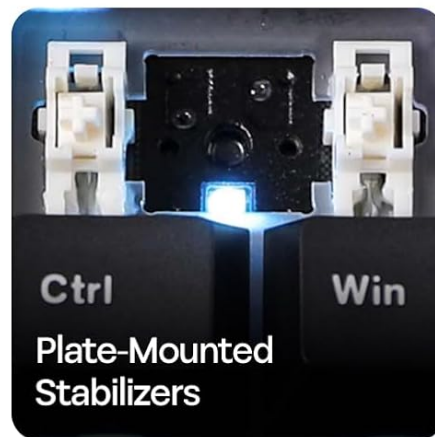


Image: Hot-swappable switch replacement.

7.2. Keycap Removal

Use the keycap puller to remove keycaps. Hook the puller onto two opposite sides of the keycap and pull upwards evenly. Avoid excessive force to prevent damage to the keycap or switch stem.

8. CARE AND MAINTENANCE

Proper care ensures the longevity and performance of your keyboard.

- **Cleaning:** Use a soft brush or compressed air to remove dust and debris from between keycaps. For deeper cleaning, remove keycaps and wipe them with a damp cloth and mild soap solution. Ensure keycaps are completely dry before reattaching.

- **Case Cleaning:** Wipe the aluminum case with a soft, lint-free cloth. Avoid abrasive cleaners or solvents.
- **Storage:** When not in use, store the keyboard in a clean, dry environment. The included transparent cover can help protect it from dust.
- **Avoid Liquids:** Keep liquids away from the keyboard to prevent damage to electronic components.

9. TROUBLESHOOTING GUIDE

If you encounter issues with your EPOMAKER P65, refer to the following common solutions:

Problem	Possible Solution
Keyboard not responding (Wired)	Ensure the USB-C cable is securely connected to both the keyboard and the computer. Verify the mode switch on the keyboard is set to 'USB'. Try a different USB port on your computer. Test with a different USB-C cable.
Keyboard not responding (2.4GHz/Bluetooth)	Ensure the keyboard is charged. Verify the mode switch is set to '2.4G' or 'BT' accordingly. For 2.4GHz, ensure the receiver is plugged in and try re-pairing (Fn + R). For Bluetooth, ensure Bluetooth is enabled on your device and try re-pairing (Fn + Q/W/E). Move the keyboard closer to the receiver/device to rule out interference.
Keys not registering or double-typing	Check if the switch is properly seated in the PCB. Remove the keycap and switch, then reinsert. Clean around the affected switch to remove any debris. If the issue persists, the switch may be faulty. Replace it with one of the spare switches provided.
RGB lighting not working or incorrect	Ensure the keyboard is powered on. Check RGB settings in VIA software. Try resetting the keyboard (refer to VIA software or EPOMAKER support for specific instructions).

10. TECHNICAL SPECIFICATIONS

Feature	Specification
Model	P65
Layout	65% (66 keys + 1 knob)
Connectivity	Bluetooth 5.0, 2.4GHz Wireless, USB Type-C Wired

Feature	Specification
Battery Capacity	4000mAh Lithium Ion
Switches	Hot-swappable (3/5-pin mechanical switches)
Keycaps	PBT
Backlighting	RGB (South-facing)
Case Material	Aluminum
Dimensions (L x W x H)	12.6 x 4.57 x 1.71 inches (32.0 x 11.6 x 4.3 cm)
Item Weight	3.98 pounds (1.81 kg)
Compatibility	PC, Mac, Laptop, Gaming Console, Smartphone, Tablet



Technical Specifications

32.0cm Length	11.6cm Width
4.3cm Height	1.27kg Weight

65%

Ergonomic Compact Layout



35% LESS SPACE

US Layout 66 Keys



11.6cm
4.57inch

32.0cm/12.6inch



4.3cm
1.7inch

2.15cm
0.85inch

11. WARRANTY AND SUPPORT

EPOMAKER products are designed for reliability and performance. For specific warranty details, please refer to the warranty information provided at the time of purchase or visit the official EPOMAKER website.

If you require technical assistance, have questions about your product, or need to report an issue, please contact EPOMAKER customer support through their official channels. You can find more information and contact options on the [EPOMAKER Brand Store](#).

An additional user manual in PDF format may be available for download [here](#).

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

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

Submit question