

EPOMAKER EP64

EPOMAKER EP64 Mechanical Keyboard User Manual

Model: EP64
Brand: EPOMAKER

1. INTRODUCTION

The EPOMAKER EP64 is a compact 60% mechanical keyboard designed for versatility and performance. It features a space-saving layout while retaining essential arrow keys for convenience. With multiple connectivity options, hot-swappable switches, and customizable RGB lighting, the EP64 offers a personalized and efficient typing experience for both Mac and Windows users.



Figure 1: EPOMAKER EP64 Mechanical Keyboard Overview

2. SETUP

2.1. Package Contents

Upon unboxing your EPOMAKER EP64 keyboard, please ensure all components are present:

- EPOMAKER EP64 Mechanical Keyboard

- USB-C Cable
- Keycap Puller / Switch Puller Tool



Figure 2: Included accessories with the EPOMAKER EP64 keyboard.

2.2. Connectivity Modes

The EPOMAKER EP64 supports three versatile connection modes:

- **USB-C Wired Mode:** Connect the keyboard directly to your device using the provided USB-C cable. This mode also charges the keyboard.
- **2.4GHz Wireless Mode:** Insert the 2.4GHz USB dongle into your device.
- **Bluetooth 5.0 Wireless Mode:** Pair the keyboard with your device via Bluetooth.

Switch between modes using the following key combinations:

- **Bluetooth Mode:** Fn + Q/W/E (to switch between up to 3 paired Bluetooth devices)
- **2.4GHz Mode:** Fn + R

- **USB-C Wired Mode:** Fn + A



Three Modes of Connection



Bluetooth Mode:
FN+ Q/W/E



2.4G Mode:
FN+ R



Type C Wired:
FN + A

Figure 3: Key combinations for switching between connectivity modes.

2.3. Charging the Keyboard

The keyboard is equipped with a 2000mAh battery. Connect the USB-C cable to the keyboard and a power source (e.g., computer USB port, wall adapter) to charge. You can check the battery level by pressing **Fn + Backspace**.



Figure 4: Battery level indicator using Fn + Backspace.

3. OPERATING INSTRUCTIONS

3.1. Key Functions and Layout

The EP64 features a compact 60% layout with integrated arrow keys. Many functions are accessed via the Fn key.



Figure 5: The compact 60% layout with 64 keys.

3.2. RGB Lighting Effects

The keyboard offers a variety of stunning RGB lighting effects. Control them using the following Fn key combinations:

- **Turn On/Off Backlights:** Fn + ENTER
- **Toggle RGB Effects:** Fn + I/O/P
- **Change Backlight Colors:** Fn + "

- **Backlights Brightness -:** Fn + ,<
- **Backlights Brightness +:** Fn + .>
- **Backlights Speed -:** Fn + [{
- **Backlights Speed +:** Fn +]}
- **Reset the Keyboard:** Hold Fn + SPACE (for 3 seconds)

AMAZING RGB EFFECTS

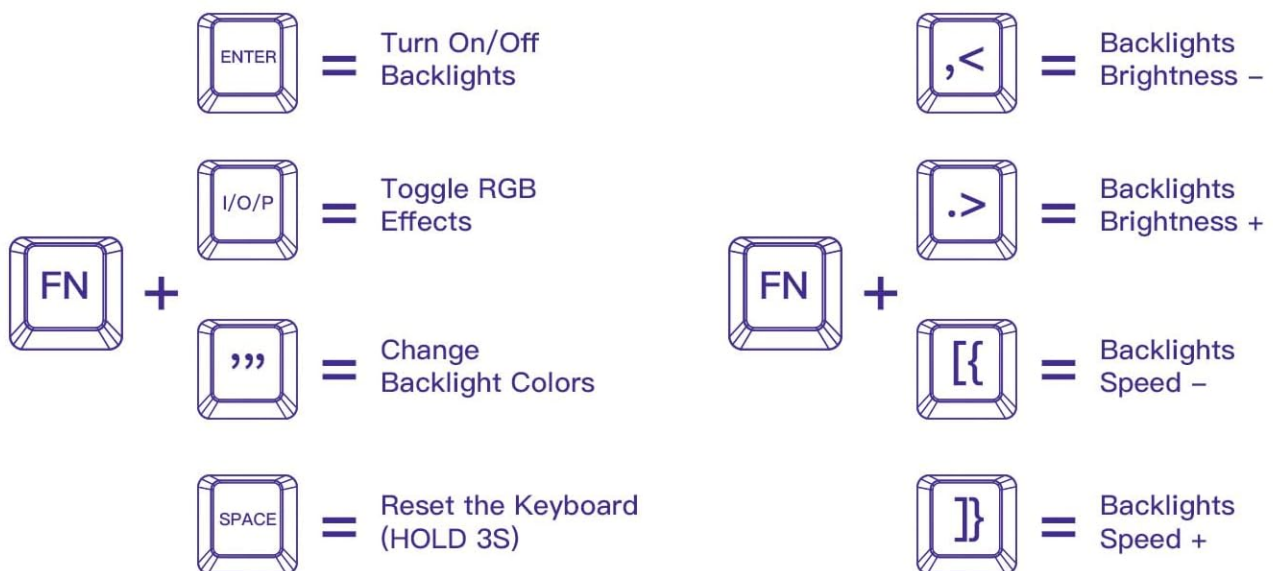


Figure 6: RGB control shortcuts.

3.3. Programmable Features

The EP64 is programmable with compatible software, allowing for advanced customization of key functions and macros to suit your typing habits. This enables you to create your own unique effects and optimize your workflow.

3.4. Hot-Swappable Switches

The EP64 features a 5-pin/3-pin hot-swappable PCB, allowing you to easily replace and experiment with different mechanical switches without soldering. This provides unparalleled flexibility to customize the feel and sound of your

keyboard.



Figure 7: Hot-swappable switch sockets on the PCB.

3.5. N-Key Rollover (NKRO)

The keyboard supports N-Key Rollover, ensuring that every keypress is registered accurately, even when multiple keys are pressed simultaneously. This is crucial for fast-paced gaming and efficient typing.

N-key Rollover

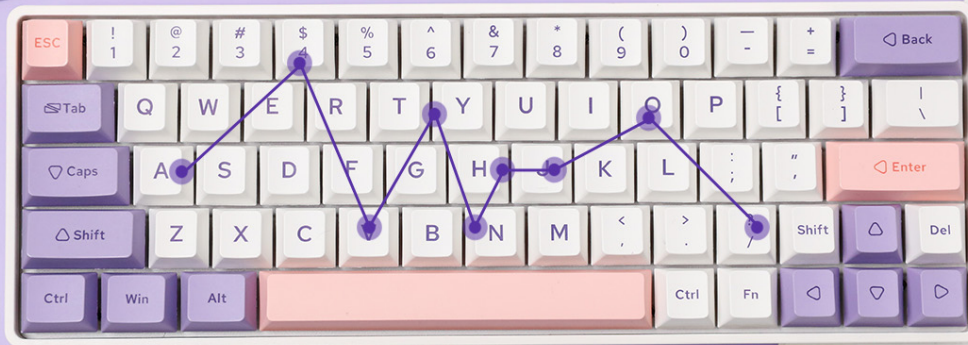


Figure 8: Illustration of N-Key Rollover functionality.

3.6. Dye-sub PBT Keycaps

The EP64 comes with high-quality dye-sublimated PBT keycaps. These keycaps are resistant to shine, wear, and oils, maintaining their sleek appearance and feel even after long-term use. They feature a Cherry profile for comfortable typing.

Dye-sub PBT Keycaps Cherry Profile

Unit: mm



Figure 9: Close-up of the durable dye-sub PBT keycaps.

4. MAINTENANCE

4.1. Cleaning

To clean your keyboard, gently wipe the keycaps and case with a soft, damp cloth. For deeper cleaning, you can remove the keycaps using the provided puller and clean the switches and plate. Avoid using harsh chemicals or excessive moisture.

4.2. Switch Replacement

Utilize the included switch puller tool to carefully remove existing switches. Align the new 5-pin or 3-pin compatible switch with the PCB socket and press firmly until it clicks into place. Ensure the pins are straight before insertion to prevent damage.

5. TROUBLESHOOTING

- **Keyboard not responding:** Ensure the USB-C cable is securely connected in wired mode, or that the 2.4GHz dongle is inserted and the keyboard is in 2.4GHz mode. For Bluetooth, ensure it's paired and selected (Fn+Q/W/E). Check battery level (Fn+Backspace).
- **RGB lights not working:** Press Fn+ENTER to toggle lights. Use Fn+I/O/P to cycle through effects. If issues persist, perform a keyboard reset (hold Fn+SPACE for 3 seconds).
- **Keys not registering:** Ensure switches are properly seated. If a specific key is not working, try hot-swapping the switch with a known working one to diagnose if the issue is with the switch or the PCB.
- **Bluetooth disconnection:** Ensure the keyboard is within range of your device. Re-pair the keyboard if necessary.

6. SPECIFICATIONS

Product Dimensions	11.42 x 4.06 x 1.61 inches
Item Weight	1.92 pounds
Number of Keys	64
Connectivity Technology	Bluetooth 5.0, 2.4GHz, USB-C
Special Feature	Backlit, Hot-Swappable
Material	Polybutylene Terephthalate (PBT Keycaps)

Size: 293 x 103 x 41 mm
Weight: 0.6kg



Figure 10: Physical dimensions of the EPOMAKER EP64.

7. OFFICIAL PRODUCT VIDEOS

EP64 Keyboard Typing Test

This video demonstrates the typing sound and feel of the EPOMAKER EP64 keyboard with Flamingo switches. It showcases the auditory feedback and responsiveness during use.

8. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your EPOMAKER EP64 keyboard, please contact EPOMAKER directly.

Email: support@epomaker.com

Website: www.epomaker.com

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

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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