

# EPOMAKER EP64 Flamingo Switch Keyboard User Guide

## Contents

- [1 Product Information](#)
- [2 Product Usage Instructions](#)
- [3 Windows Shortcut Keys](#)
- [4 FUNCTION KEYS](#)
- [5 PAIRING](#)
- [6 CHECK BATTERY](#)
- [7 CHARGING INDICATOR LIGHT](#)
- [8 SPECS](#)
- [9 REPLACING KEYCAPS AND SWITCHES](#)
- [10 Included Tools](#)
- [11 Install And Remove](#)
- [12 TECHNICAL ASSISTANCE](#)
- [13 WARRANTY](#)
- [14 CONTACTS](#)
- [15 Documents / Resources](#)

## Product Information

The Epomaker EP64 is a 60% triple-mode hot-swappable mechanical keyboard. It is a compact and versatile keyboard that offers three different modes of connectivity: Bluetooth, 2.4GHz wireless, and wired.

- **Manufacturer:** Shenzhen Changyun Technology Co., Ltd.
- **Address:** Seventh Floor, Kai Daer Building, No.168 Tongsha Road, Xili Street, Nanshan District, Shenzhen, Guangdong, CN
- **Email:** [support@epomaker.com](mailto:support@epomaker.com)
- **Website:** [www.epomaker.com](http://www.epomaker.com)

## Product Usage Instructions

### Windows Shortcut Keys

- **FN + ESC:** Windows Shortcut
- **FN + 1 F1:** Press F1 key
- **FN + 2 @ F2:** Press F2 key
- **FN + 3 # F3:** Press F3 key
- **FN + 4 \$ F4:** Press F4 key
- **FN + 5 % F5:** Press F5 key
- **FN + 6 ^ F6:** Press F6 key
- **FN + 7 & F7:** Press F7 key
- **FN + 8 \* F8:** Press F8 key
- **FN + 9 ( F9:** Press F9 key

- **FN + 0) F10**: Press F10 key
- **FN + - \_ F11**: Press F11 key
- **FN + =+ F12**: Press F12 key
- **FN + SHIFT+ESC ~**: Press ~ key
- **FN + T Prtsc**: Print screen
- **FN + Y Scrk**: Scroll lock
- **FN + U Pause**: Pause
- **FN + G Insert**: Insert
- **FN + H Home**: Home
- **FN + J PgUp**: Page Up
- **FN + B Delete**: Delete
- **FN + N End**: End
- **FN + M PgDn**: Page Down
- **FN + WIN Lock WIN Key**: Lock Windows key

## Mac Shortcut Keys

- **FN + ESC**: Mac Shortcut
- **FN + 1**: Press F1 key
- **FN + 2@**: Press F2 key
- **FN + 3#**: Press F3 key
- **FN + 4\$**: Press F4 key
- **FN + 5%**: Press F5 key
- **FN + 6^**: Press F6 key
- **FN + 7&**: Press F7 key
- **FN + 8\***: Press F8 key
- **FN + 9(**: Press F9 key
- **FN + 0)**: Press F10 key
- **FN + - \_**: Press F11 key
- **FN + =+**: Press F12 key

## Function Key Combinations

- **FN+BACKSPACE (HOLD 3S)**: Reset the Keyboard Secondary Key Mode
- **FN + L\_CTRL**: Toggle the keyboard secondary key mode on/off
- **FN + SPACEBAR**: Battery check
- **FN + Q**: Short press to switch to Bluetooth mode 1, long press to pair devices
- **FN + W**: Short press to switch to Bluetooth mode 2, long press to pair devices
- **FN + E**: Short press to switch to Bluetooth mode 3, long press to pair devices
- **FN + R**: Short press to switch to 2.4GHz wireless mode, long press to pair devices
- **FN + A**: Switch to wired mode
- **FN + Z/X/C**: Toggle to Layer 1/2/3
- **FN + V (HOLD 3S)**: Check layer
- **FN + I/O/P**: Change RGB effects

## Pairing Bluetooth

1. Toggle the switch in the back to ON to enable the wireless mode.
2. Hold **Fn+Q/W/E** for 3-5 seconds until the indicators flash fast in red/green/blue, indicating that the keyboard is ready to pair.
3. Turn on your Bluetooth device and find 'EP64 BT3.0' or 'EP64 BT5.0', then connect. When the keyboard is connected, the light on the Q/W/E key stops flashing.
4. Press **Fn+Q/W/E** to toggle between Bluetooth devices 1/2/3.

### Pairing Wireless 2.4GHz

1. Toggle the switch in the back to ON to enable the wireless mode.
2. Short press the **FN+R** key combination, the backlight will flash blue 3 times, indicating that the keyboard has entered 2.4GHz mode.
3. Long press **FN+R** key combination for 3-5 seconds to enter pairing mode. The R indicator will flash white.
4. Plug in the receiver and wait for successful pairing. The R indicator will be on for 2 seconds and then go out.

**Wired Mode** To switch to wired mode, press **Fn+A**. The whole keyboard will flash red three times, indicating that the keyboard has entered the wired mode successfully.

**Secondary Key Mode** When the secondary key mode is on, the L\_Ctrl indicator lights up in white, and the keys are input as follows:

- **ESC**: `
- **-\_**: F11
- **1!**: F1
- **2@**: F2
- **=+**: F12
- **T**: PrtSc
- **3#**: F3
- **4\$**: F4
- **Y**: ScrLk
- **U**: Pause
- **5%**: F5
- **6^**: F6
- **G**: Insert
- **H**: Home

## FUNCTION KEYS

### WINDOWS SHORTCUT

- **FN + ESC**: `
- **FN + 1** : F1
- **FN + 2@**: F2
- **FN + 3#**: F3
- **FN + 4\$**: F4
- **FN + 5%**: F5
- **FN + 6^**: F6

- **FN + 7&:** F7
- **FN + 8\*:** F8
- **FN + 9(:** F9
- **FN + 0):** F10
- **FN + -\_:** F11
- **FN + =+:** F12
- **FN + SHIFT+ESC:** ~
- **FN + T:** Prtsc
- **FN + Y:** ScrLk
- **FN + U:** Pause
- **FN + G:** Insert
- **FN + H:** Home
- **FN + J:** PgUp
- **FN + B:** Delete
- **FN + N:** End
- **FN + M:** PgDn
- **FN + WIN:** Lock WIN Key

## MAC SHORTCUT

- **FN + ESC:** `
- **FN + 1 :** Screen Brightness –
- **FN + 2@:** Screen Brightness +
- **FN + 3#:** Task
- **FN + 4\$:** Control Pad
- **FN + 5%**
- **FN + 6^**
- **FN + 7&:** Previous Track
- **FN + 8\*:** Play/Pause
- **FN + 9(:** Next Track
- **FN + 0):** Mute
- **FN + -\_:** Volume –
- **FN + =+:** Volume +
- **FN + SHIFT+ESC:** ~

## FUNCTION KEY COMBINATIONS

- **FN+BACKSPACE (HOLD 3S):** Reset the Keyboard
- **FN + L\_CTRL:** Secondary Key Mode
- **FN + SPACEBAR:** Battery Check
- **FN + Q:** Short Press to Switch to BT1;
  - Long Press to Pair Devices
- **FN + W:** Short Press to Switch to BT2;
  - Long Press to Pair Devices

- **FN + E:** Short Press to Switch to BT3
  - Long Press to Pair Devices
- **FN + R:** Short Press to Switch to 2.4G Mode;
  - Long Press to Pair Devices
- **FN + A:** Wired Mode
- **FN + Z/X/C:** Toggle to Layer 1/2/3
- **FN + V (HOLD 3S):** Check Layer

## LIGHT EFFECTS

- **FN + I:** Efectos RGB 1-6
- **FN + O:** RGB Effects 7-12
- **FN + P:** RGB Effects 13-18
- **FN + ,<:** Backlights Brightness +
- **FN + .>:** Backlights Brightness –
- **FN + ;::** Change Dynamic RGB Direction
- **FN + “”:** Toggle RGB Colors
- **FN + [{:** Backlights Speed –
- **FN + ]}:** Backlights Speed +

## CHANGE RGB EFFECTS

- Press Fn + I/O/P to switch the RGB effects of your Epomaker EP64 keyboard.

## PAIRING

### PAIRING BLUETOOTH

Toggle the switch in the back to ON to make sure that the keyboard is under the Wireless mode

1. Hold Fn+Q/W/E for 3-5 seconds till the indicators flashes fast in red/green/blue, the keyboard is ready to pair.
2. Turn on your Bluetooth device and find ‘EP64 BT3.0’ or ‘EP64 BT5.0’, then connect. When the keyboard is connected to the Bluetooth device, the light on the Q/W/E key stops flashing and the connection is done.
3. Press Fn+Q/W/E to toggle between the Bluetooth devices 1/2/3.

### PAIRING WIRELESS 2.4GHZ

Toggle the switch in the back to ON to make sure that the keyboard is under the Wireless mode

1. Short press the FN+R key combination, the backlight will flash blue 3 times, the keyboard will enter 2.4G mode
2. Long press FN+R key combination for 3-5 seconds to enter pairing mode, R indicator will flash white, plug in the receiver, after successful pairing, R indicator will be on for 2 seconds and then go out, successful connection

## WIRED MODE

- Press Fn+A, the whole keyboard flashes red three times, and the keyboard enters to the wired mode successfully.

## SECONDARY KEY MODE

When the mode is on, the L\_Ctrl indicator light up in white, and the keys are input as followed:

ESC = `	-_ = F11
1! = F1	=+ = F12
2@ = F2	T = PrtSc
3# = F3	Y = ScrLk
4\$ = F4	U = Pause
5% = F5	G = Insert
6^ = F6	H = Home
7& = F7	J = PgUp
8* = F8	B = Del
9( = F9	N = End
0) = F10	M = PgDn

## CHECK BATTERY

Hold Fn+Spacebar, the keys from 1! to 0) lights up to show the battery percentage; for example, if the keys from 1! to 6^ light up when holding Fn+Spacebar, it means that the battery life is currently 60%; if keys of 1!-0) light up, battery life is 100%.

## CHECK LAYER

Hold Fn+V (HOLD 3S), the indicators of Z/X/C light up to show at which layer the keyboard is; for example, if the keys of X light up when holding Fn+V, it means that the keyboard is in layer 2.

## CHARGING INDICATOR LIGHT

### CHARGING INDICATOR LIGHT (UNDERNEATH THE SPACEBAR)

- **Charging:** Red light keeps on
- **Charged:** Light off

## SPECS

- **KEYS AMOUNT:** 64 Keys
- **STABILIZER TYPE:** Plate-mounted
- **CASE MATERIAL:** ABS Plastic
- **PLATE MATERIAL:** Steel
- **PCB TYPE:** 3/5-pin Hotswap PCB
- **BATTERY CAPACITY:** 2000mAh
- **CONNECTIVITY:** Type-C Wired, 2.4 & Bluetooth Wireless
- **ANTI-GHOST KEY:** NKRO in all modes
- **COMPATIBILITY:** WINDOWS/MAC
- **DIMENSION:** 293 × 103 × 41 mm
- **WEIGHT:** Around 0.6kg

## REPLACING KEYCAPS AND SWITCHES

For a full guide on how to remove keycaps and switches scan the QR Code or type in your browser:

<https://epomaker.com/blogs/guides/diy-guide-how-to-remove-and-replace-your-mechanical-keyboard-switches>

- Before installing switches, be sure the pins are clean and straight.

### Push Straight Down

- Please be gentle. Be sure the pins are aligned with the slots.

## Included Tools

### Mechanical Switch

### Install And Remove

#### Remove Switches

1. Grab your Switch Removal Tool and align the gripping teeth vertically (on the Y-Axis) at the center of the switch, as shown in the example graphic above.
2. Grab the switch with the Switch Puller and apply pressure until the switch releases itself from the plate.
3. Using firm but gentle force pull the switch away from the keyboard using a vertical motion.

#### Install Switches

1. Check that all the switch metallic pins are perfectly straight and clean.
2. Align the switch vertically to have the Gateron logo facing north. The pins should align themselves to the keyboard PCB.
3. Press the switch down until you hear a click. This means your switch clips have attached themselves to the keyboard plate.
4. Inspect the switch to ensure it's properly attached to your keyboard, and test it.

**Note:** If the key doesn't work its possible you may have bent one of the switches while installing it. Pull the switch out and repeat the process.

Pins may be damaged beyond repair and need replacement if this process is not done correctly. Never apply excessive force when replacing keycaps or switches. If you cannot remove or install keycaps or switches please contact customer service as soon as possible to avoid damage to the keyboard due to operating errors.

## TECHNICAL ASSISTANCE

For technical assistance, please email to [support@epomaker.com](mailto:support@epomaker.com) with your purchase order number and a detailed description of your issue. We normally respond to enquiries within 24 hours. If you purchased your keyboard from a distributor or not from any official store of Epomaker, please contact them directly for any additional help.

## COMMUNITY FORUMS

Join our community and learn together with other keyboard enthusiasts.

- <https://discord.gg/2q3Z7C2>
- <https://www.reddit.com/r/Epomaker/>

## WARRANTY

EPOMAKER's Warranty covers any factory defects that might affect the proper functionality of your purchase. It doesn't cover any damage that may occur from normal wear and tear. If your product is defective we will send you a replacement unit. Replacement units might require you to send the defective unit back to Epomaker.

We provide a 1 year warranty for our products when bought from our website ( [EPOMAKER.com](https://epomaker.com)). Your item will not be covered by your 1 year warranty if the inspection shows any sign of modification or changes unsupported by the original product, these include: Changing internal components, Assembling and reassembling the product, Replacing Batteries, etc. We will ONLY cover the item if it is bought from our official stores. You do not have a warranty with us if you bought the item from another reseller or likewise. Please contact the store that you bought your product from to resolve issues.

Should you require more assistance please email us at [support@epomaker.com](mailto:support@epomaker.com)

## CONTACTS

- Made in China
- **Manufacturer:** Shenzhen Changyun Technology Co., Ltd.
- **Address:** Seventh Floor, Kai Daer Building, No.168 Tongsha Road, Xili Street, Nanshan District, Shenzhen, Guangdong, CN
- **Email:** [support@epomaker.com](mailto:support@epomaker.com)
- **Web:** [www.epomaker.com](https://www.epomaker.com)

## APEX CE SPECIALISTS LIMITED

- Unit 3d North Point House, North Point Business Park,
- New Mallow Road Cork, T23 AT2P, Ireland



- **Contact:** Wells Tel: +353212066339

## APEX CE SPECIALISTS LIMITED

- 89 Princess Street, Mancheste, M1 4HT, UK
- **Contact:** Wells
- **E-mail:** [info@apex-ce.com](mailto:info@apex-ce.com)

## Documents / Resources



[EPOMAKER EP64 Flamingo Switch Keyboard](#) [pdf] User Guide  
EP64 Flamingo Switch Keyboard, EP64, Flamingo Switch Keyboard, Switch Keyboard, Keyboard

[Manuals+.](#)