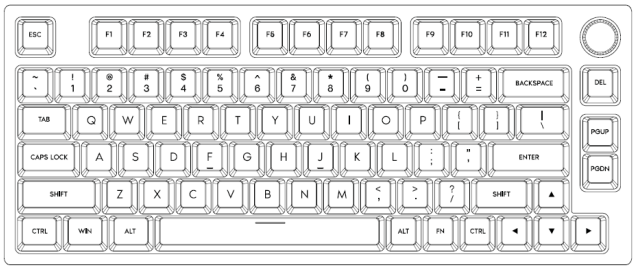

# EPOMAKER TH80 Wired Mechanical Gaming Keyboard User Guide



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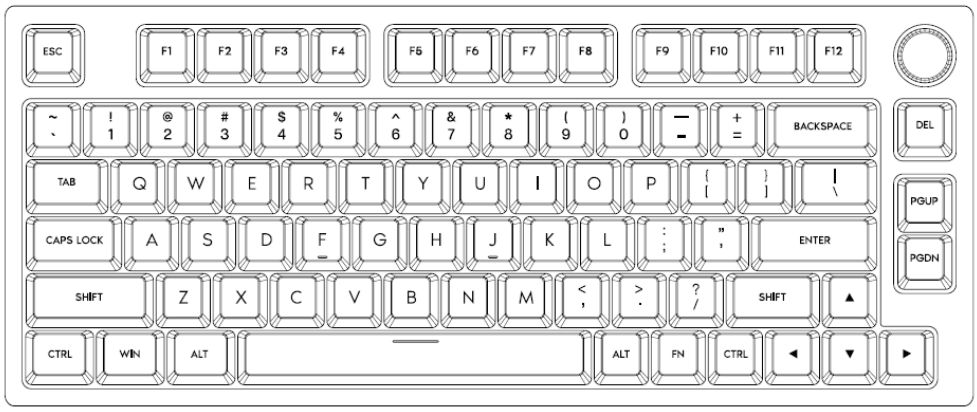
## TH80 Wired Mechanical Gaming Keyboard




## 75% Hot-Swap Wired/Wireless Mechanical Keyboard

This Quick Guide is an introduction to the use and functionality of the EPOMAKER TH80.
For in-depth guide of functionality of the customization software please refer to the manual that you can find in the official epomaker website at **https://epomaker.com/pages/software-downloads**
Should you require more assistance please email us at **support@epomaker.com**

**Made in China**

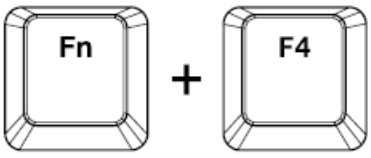
Manufacturer: Shenzhen Changyun Technology Co., Ltd. Address: Seventh Floor, Kai Daer Building, No.168 Tongsha Road, Xiii Street, Nanshan Disctrict, Shenzhen,Guangdong, CN
Email: **support@epomaker.com**
Web: **www.epomaker.com**

**APEX CE SPECIALISTS LIMITED**
Address: UNIT 3D NORTI-I POINT HOUSE, NORTI-I POINT BUSINESS PARK, NEW MALLOW ROAD CORK, T23 AT2P, IRELAND
Contact: Wells
Tel: +353212066339
Email: info@apex–ce.com

| | | | |
|---|---|---|---|
| **MODEL:** | EPOMAKER TH80 | | |
| **SIZE:** | 325 x 135 x 30mm | **WEIGHT:** | 880g |
| **NKRO:** | Yes | **HOTSWAP:** | YES |
| **LAYOUT:** | 80 Keys | **KEYCAPS:** | PBT Keycaps |
| **SYSTEM:** | Windows / Mac / Linux | | |
| **CONNECTION:** | USB-C, 2.4GHz Bluetooth 3.0, Bluetooth 5.0. | | |

## ACC ESSING BASIC FUNCTIONS

By pressing the FN key in combination with a different key you can access a set of special functions and change between Windows and MacOS Layouts to benefit from a seamless upgrade experience with your EPOMAKER TH80 Keyboard.




## MEDIA CONTROLS

| | |
|---|---|
| **FN + F7** | Previous Song |
| **FN + F8** | Play/Pause |
| **FN + F9** | Next Song |
| **FN + F10** | Mute Audio |
| **FN + F11** | Volume Down |
| **FN + F12** | Volume Up |

## CONNECTION SETTINGS

| | |
|---|---|
| **FN + 1** | Bluetooth Device 1 |
| **FN + 2** | Bluetooth Device 2 |
| **FN + 3** | Bluetooth Device 3 |
| **FN + 4** | Wireless 2.4GHz |
| **FN + 5** | USB-C Connection |

## BACKLIGHT SETTINGS

| | |
|---|---|
| **FN + SPACE** | RGB Backlight On/Off |
| **FN + ↑** | Backlight Brightness + |
| **FN + ↓** | Backlight Brightness - |
| **FN + ←** | Backlight Effect Speed - |
| **FN + →** | Backlight Effect Speed + |
| **FN + ENTER** | Change Color |

## GENERAL FUNCTIONS

| | |
|---|---|
| **FN + F1** | Screen Brightness - |
| **FN + F2** | Screen Brightness + |
| **FN + F3** | Task Control |
| **FN + F4** | Mailbox |
| **FN + F5** | Calculator |
| **FN + F6** | Home |

**CTRL+ALT+Q**
Restore Keyboard to Default Settings.

**FN + WIN**
Lock/Unlock Windows Key for Gaming.

| | |
|---|---|
| **FN + I** | Print |
| **FN + O** | Scroll |
| **FN + P** | Pause |

## CHANG E RGB EFF ECTS

Pressing FN+ \ at the same time allows you to switch the RGB effect of your THBO Keyboard.

**The presets are as follows:**

- Light wave (default)
- Ripple
- Laser
- Raindrop,
- Snake
- Follow,
- Convergence
- Sine wave
- Hundred Flowers
- Colorful Springs,
- Custom Mode
- Peak Circuit
- Colorful Vertical
- Colorful Horizontal
- Constant Light
- Breathing

## PAIRING BLUE T OOTH

**FN +11213 :** Long Press for 3 seconds

Long press the FN+ 1/2/3 for 3 seconds, the keyboard will start pairing and the light will flash. If there's no connection, the keyboard will enter into sleep mode.

## PAIRING WIR ELESS 2.4GHz

**FN+4 :** Switch to Wireless Mode and then press …

**FN+TAB :** Long Press for 3 seconds

Turn on the keyboard. Press FN+4 to enter the 2.4G mode, then press the FN+ TAB for 3 seconds to enter the pairing mode. Insert the receiver, you will see the light flashes. After a successful connection, the light will stay on for 10 seconds. If there's no connection in 30 seconds, the keyboard will stop paring and enter into sleep mode.

## BLUE T OOTH SP ECIFICATIONS

- DEVICE NAME: ROYUAN Gaming Keyboard
- BT3.0 connection: BT3.0 KB
- BT5.0 connection: BT5.0 KB
- Operating distance: >10m 360°
- Bluetooth wake-up connection time: ≤ 5S

The product's Bluetooth function is compatible with the mainstream Bluetooth dongles and notebooks' built-in Bluetooth.

To use Bluetooth 5.0, the connected device should support Windows 8 systems or above. If the connected device is a smartphone or tablet, the device (smartphone or tablet) needs to support Bluetooth 5.0.

## WIR ELESS 2.4GHz SPECIFICATIONS

In accordance with theUSB standard protocol.
This mode is compatible with Windows 2000 or above and MAC operating system.

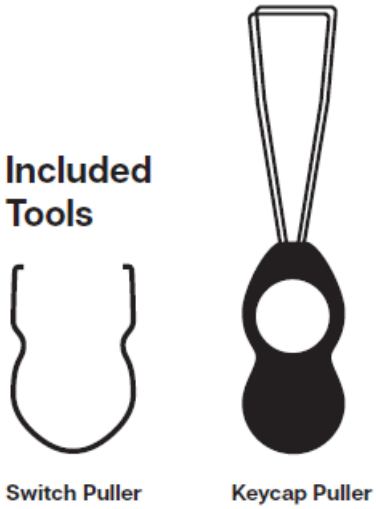
## KEYBOARD WAKE UP/SLEEP

- If your keyboard is sleeping press any key to wake it up, it will remember the last device connected.
- **Wireless 2.4GHz**
  When you turn your keyboard on a green light will show to tell you wireless has properly connected.
  If the keyboard shows no signs of working in your device try pairing it again by repeating the steps indicated in the Wireless 2.4GHz Pairing Instructions.
- **Bluetooth**
  When you turn your keyboard on a blue light will show to tell you bluetooth has properly connected to the last device (1 2 or 3). If the keyboard shows no signs of working in your device try pairing it again by repeating the steps indicated in the Bluetooth Pairing Instructions.

## REPLACING KEYCAPS AND SWITCHES

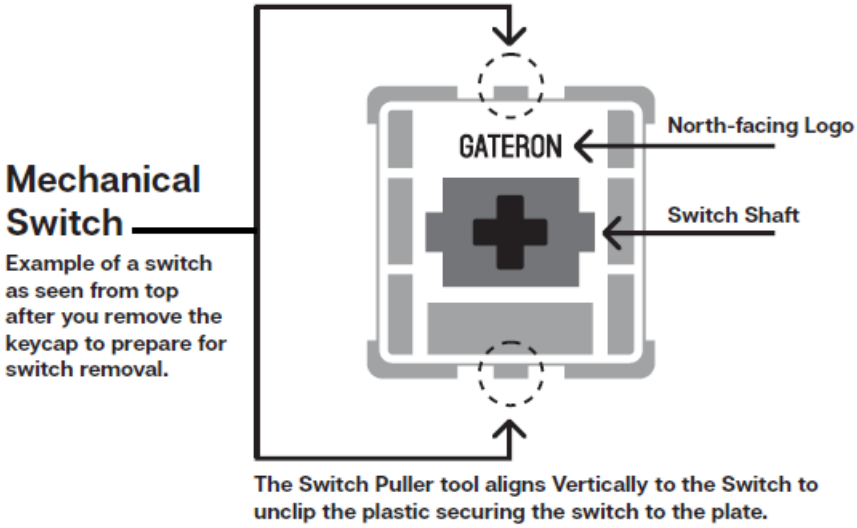
For a full guide on how to remove keycaps and switches scan the QR Code or type in your browser:
[https://epomaker.com/blogs/guides/diy-guide-how-to-remove-and-replace-your-mechanical-keyboard-switches](https://epomaker.com/blogs/guides/diy-guide-how-to-remove-and-replace-your-mechanical-keyboard-switches)

### Included Tools




### 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

- Check that all the switch metallic pins are perfectly straight and clean.
- Align the switch vertically to have the Gateron logo facing north. The pins should align themselves to the keyboard PBC.
- Press the switch down until you hear a click. This means your switch clips have attached themselves to the keyboard plate.
- 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** with your purchase order number and a detailed description of your issue.

We normally respond to enquiries within 24 hours.

### COMMUNITY FORUMS

Join our community and learn together with other keyboard enthusiasts.

**https://discord.gg/2q3Z7C2**

**https://www.reddit.com/user/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). 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.

## Documents / Resources

| | |
|---|---|
| | EPOMAKER TH80 Wired Mechanical Gaming Keyboard [pdf] User Guide<br>S80, 2A5D2-S80, 2A5D2S80, TH80 Wired Mechanical Gaming Keyboard, Wired Mechanical Gaming Keyboard |

## References

- Epomaker – epomaker
- Epomaker
- DIY Guide: How to Replace Your Mechanical Keyboard Switches – epomaker
- Reddit - Dive into anything