

## EPOMAKER

**QMK VIA RGB**  
**2.4Ghz**  
**Bluetooth 5.0**  
**Wired**  
**Mechanical**  
**Keyboard**



# EPOMAKER P87 QMK VIA RGB 2.4Ghz Bluetooth 5.0 Wired Mechanical Keyboard User Guide

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# EPOMAKER

EPOMAKER P87 QMK VIA RGB 2.4Ghz Bluetooth 5.0 Wired Mechanical Keyboard



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

#### **Made in China**

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#### **WARNING**

Choking Hazard Small Parts Keep away from children and pets

#### **BASIC FUNCTION**

	WINDOWS		MAC		WINDOWS		MAC
<b>F1</b>	F1	Screen Brightness -		<b>FN + F1</b>	My Computer	F1	
<b>F2</b>	F2	Screen Brightness +		<b>FN + F2</b>	Explorer	F2	
<b>F3</b>	F3	Mission Control		<b>FN + F3</b>	Calculator	F3	
<b>F4</b>	F4	Launchpad		<b>FN + F4</b>	Mail	F4	
<b>F5</b>	F5			<b>FN + F5</b>	Multi-media Player	F5	
<b>F6</b>	F6			<b>FN + F6</b>	Stop	F6	
<b>F7</b>	F7	Previous Track		<b>FN + F7</b>	Previous Track	F7	
<b>F8</b>	F8	Play/Pause		<b>FN + F8</b>	Play/Pause	F8	
<b>F9</b>	F9	Next Track		<b>FN + F9</b>	Next Track	F9	
<b>F10</b>	F10	Mute		<b>FN + F10</b>	Mute	F10	
<b>F11</b>	F11	Volume -		<b>FN + F11</b>	Volume -	F11	
<b>F12</b>	F12	Volume +		<b>FN + F12</b>	Volume +	F12	
				<b>FN + WIN</b>	Lock/Unlock Win Key		

## FUNCTION KEY COMBINATIONS

<b>FN + PRTSC</b> (Hold 3s)	Reset the keyboard
<b>FN + A</b>	Win Mode
<b>FN + SPACEBAR</b>	Check Battery
<b>FN + S</b>	Mac Mode
<b>FN + Q</b>	Long press to pair Device BT1; short press to change to Device BT1
<b>FN + W</b>	Long press to pair Device BT2; short press to change to Device BT2
<b>FN + E</b>	Long press to pair Device BT3; short press to change to Device BT3
<b>FN + R</b>	Long press to connect via 2.4 wireless

## LIGHT EFFECTS

<b>FN + BACKSPACE</b>	Turn On/Off Backlights
<b>FN + \  </b>	Toggle Backlight RGB Effects
<b>FN + [{</b>	Backlight Hue -
<b>FN + ]}</b>	Backlight Hue +
<b>FN+ ; :</b>	Backlight Sat -
<b>FN+ ‘ ”</b>	Backlight Sat +
<b>FN + PGUP</b>	Toggle Logo Light Effects
<b>FN + PGDN</b>	Toggle Logo Light Colors
<b>FN + ↓</b>	Backlights Brightness -
<b>FN + ↑</b>	Backlights Brightness +
<b>FN + ←</b>	Backlights Speed -
<b>FN + →</b>	Backlights Speed +

## PAIRING BLUETOOTH

Toggle the switch to the BT side, make sure that the keyboard is under the Bluetooth mode:

1. Hold Fn+Q/W/E for 3-5 seconds till the indicator flashes fast, the keyboard is ready to pair.
2. Turn on your Bluetooth device and find “P87 – 1/2/3”, then connect. When the keyboard is connected to the Bluetooth device, the indicator stops flashing and the connection is done.
3. Press Fn+Q/W/E to toggle between the Bluetooth devices 1/2/3.

## PAIRING WIRELE SS 2.4GHz

Toggle the switch to the 2.4G side, make sure that the keyboard is under the 2.4G mode:

1. Hold Fn+R for 3-5 seconds till the indicator flashes fast, the keyboard is ready to pair.
2. Insert the 2.4G dongle to your computer. When the keyboard is connected, the indicator stops flashing.

## WIRED MODE

Toggle the switch to the middle, plug the keyboard.

## BATTERY CHECK

Hold Fn + Spacebar, the keys from 1 to 0 light 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-Olight up, battery life is 100%.

**Note:** The battery charges under either wireless or wired mode, as long as the keyboard is plugged.

## SPECS

<b>MODEL:</b>	EPOMAKER P87
<b>KEYS AMOUNT:</b>	87 Keys + 1 Knob
<b>MOUNTING TYPE:</b>	Gasket
<b>CASE MATERIAL:</b>	Aluminum
<b>PLATE MATERIAL:</b>	PC
<b>STABILIZER TYPE:</b>	Plate-mounted
<b>PCB TYPE:</b>	3/5-pin Hotswap PCB
<b>CONNECTIVITY:</b>	Type-C Wired, Bluetooth, 2.4G
<b>ANTI-GHOST KEY:</b>	NKRO
<b>LED DIRECTION:</b>	South-facing
<b>POLLING RATE:</b>	1000hz under Wired and 2.4G Mode; 125hz under Bluetooth Mode
<b>BATTERY CAPACITY:</b>	4000mAh
<b>COMPATIBILITY:</b>	WINDOWS/MAC
<b>DIMENSION:</b>	357 x 136 x 45 mm
<b>WEIGHT:</b>	Around 1.82 kg

## HOW TO USE VIA

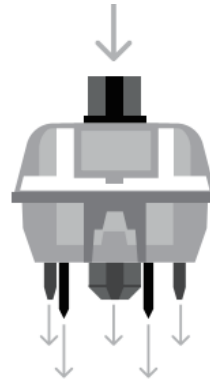
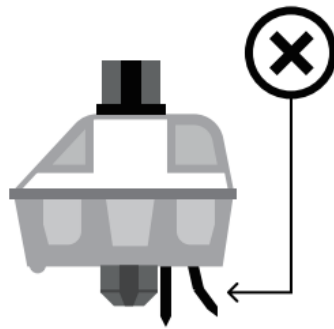
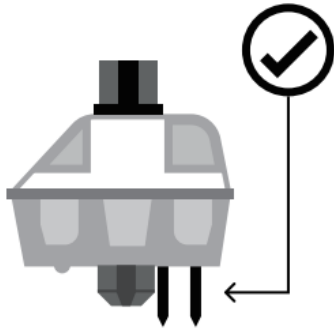
1. Please visit “<https://github.com/WestBerryVIA/via-releases/releases>” to download the latest VIA application for your computer’s OS. Turn OFF the button of “Use V2 definitions (deprecated)”



## 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>



### Push Straight Down

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

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

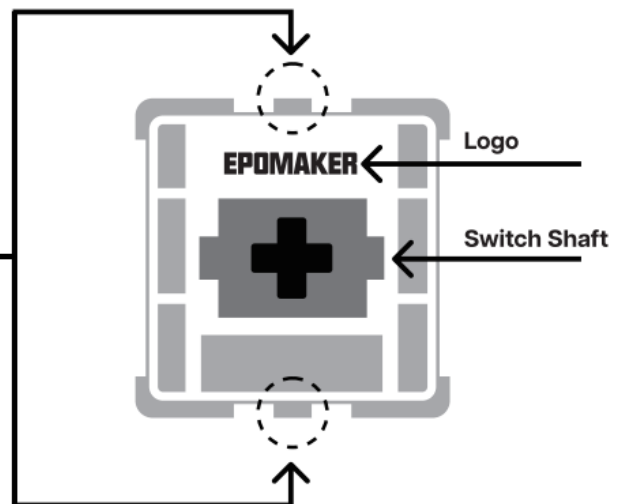
### Included Tools

Keycap Puller



### Mechanical Switch

Example of a switch as seen from top after you remove the keycap to prepare for switch removal.



The Switch Puller tool aligns Vertically to the Switch to unclip the plastic securing the switch to the plate.

### 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 PBC.

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 inquiries 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/EpomakerKeyboard/>

## 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

	<p><a href="#">EPOMAKER P87 QMK VIA RGB 2.4Ghz Bluetooth 5.0 Wired Mechanical Keyboard</a> [pdf] User Guide</p> <p>P87 QMK VIA RGB 2.4Ghz Bluetooth 5.0 Wired Mechanical Keyboard, P87, QMK VIA RGB 2.4 Ghz Bluetooth 5.0 Wired Mechanical Keyboard, Bluetooth 5.0 Wired Mechanical Keyboard, Wired Mechanical Keyboard, Mechanical Keyboard, Keyboard</p>
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## References

- [User Manual](#)



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