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› EPOMAKER TH85 QMK/VIA Wireless Gaming Keyboard User Manual

EPOMAKER TH85

EPOMAKER TH85 QMK/VIA Wireless Gaming Keyboard User Manual

Model: TH85

Your guide to setup, operation, and maintenance.

1. PRODUCT OVERVIEW

The EPOMAKER TH85 is a highly customizable 75% layout mechanical keyboard designed for gaming, office, and everyday use. It offers versatile tri-mode connectivity (Bluetooth 5.0, 2.4GHz wireless, and USB-C wired), QMK/VIA compatibility for extensive customization, and a premium gasket-mount structure for a satisfying typing experience.



Figure 1: EPOMAKER TH85 QMK/VIA Wireless Gaming Keyboard (Black&White&Blue variant)

2. SETUP GUIDE

2.1 Unboxing and Initial Inspection

Carefully remove all components from the packaging. Ensure the following items are present:

- EPOMAKER TH85 Keyboard
- USB-C to USB-A Cable
- Keycap Puller
- Switch Puller
- Spare Switches (2)
- User Manual (this document)



Figure 2: Contents of the EPOMAKER TH85 package.

2.2 Connectivity Options

The TH85 keyboard supports three connection modes: Bluetooth 5.0, 2.4GHz wireless, and USB-C wired. The mode switch is located on the top edge of the keyboard.

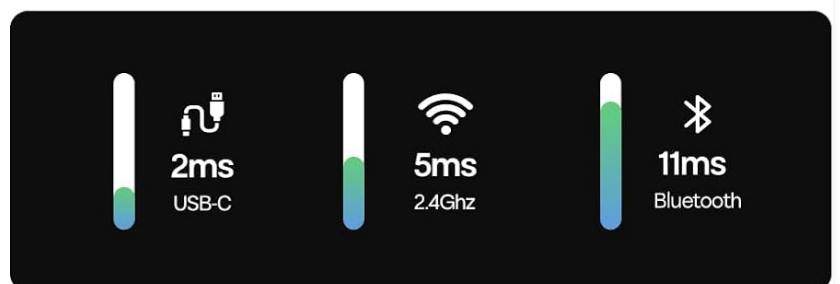
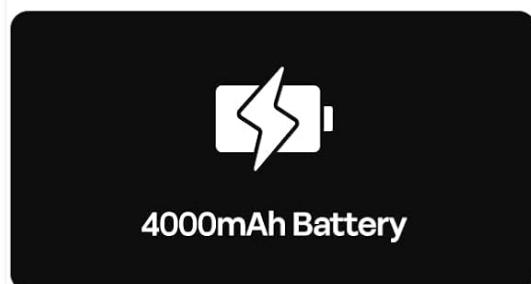
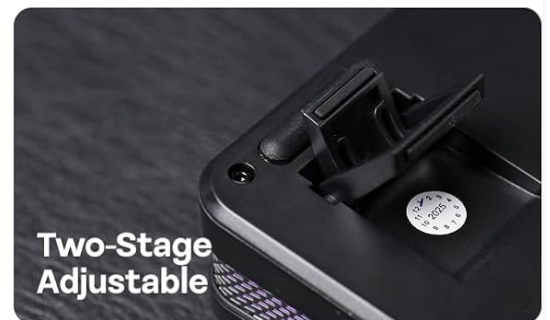
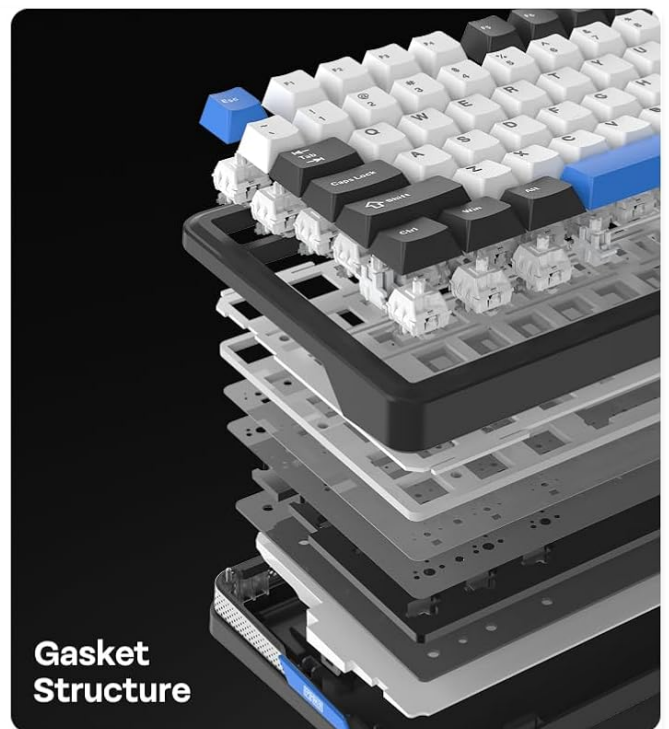


Figure 3: Tri-Mode Wireless switch and USB-C port on the keyboard.

2.2.1 USB-C Wired Connection

For the most stable and lowest latency connection (2ms), connect the keyboard directly to your computer using the provided USB-C cable. Flip the mode switch to 'USB'.

2.2.2 2.4GHz Wireless Connection

For low-latency wireless performance (5ms), use the 2.4GHz USB receiver. The receiver is conveniently stored under one of the 2-stage adjustable kickstands on the keyboard's underside. Flip the mode switch to '2.4G' and plug the receiver into an available USB port on your device.



Figure 4: Location of the 2.4GHz USB receiver.

2.2.3 Bluetooth 5.0 Connection

For wireless convenience (11ms latency), use Bluetooth. Flip the mode switch to 'BT'. The keyboard can connect to multiple devices (PC, Mac, Tablet, Smartphone) and systems (Windows, Android, iOS).

HOT SWAPPABLE KEYBOARD

3/5 pins Mechanical Switches Compatible



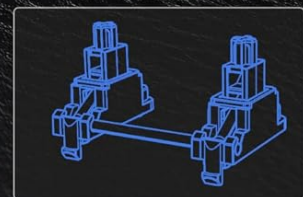
South-Facing LEDs



Pre-Lubed
Linear Switch



Hot-Swap Socket



Fine-Tuned
Stabilizers

Figure 5: TH85 supporting various devices and systems.

2.3 QMK/VIA Compatibility

The EPOMAKER TH85 is fully configurable with QMK/VIA software, allowing you to customize key functions, remap layouts, program macros, and adjust RGB lighting. This provides extensive personalization options for different usage scenarios.

UNBEATABLE CONVENIENCE AND PRODUCTIVITY

Relish in the enduring and stable
wireless performance of TH85

400Hrs



Bluetooth 5.0



USB-C Cable



2.4Ghz Wireless

Figure 6: QMK/VIA software interface for keyboard customization.

3. OPERATING INSTRUCTIONS

3.1 Key Functions and Layout

The TH85 features an 84-key layout with dedicated hotkeys and arrow keys. Many keys have secondary functions accessible via the 'Fn' key. Refer to the included quick start guide for a detailed keymap.

3.2 RGB Backlight Settings

The keyboard supports dynamic RGB backlighting. You can adjust various lighting effects, colors, and brightness levels directly from the keyboard or through the VIA software.

Video 1: EPOMAKER TH85 RGB Backlight Setting. This video demonstrates how to adjust the RGB backlight settings on the keyboard.

3.3 Battery Life

The TH85 is equipped with a 4000mAh Lithium Ion battery. It offers approximately 400 hours of use without backlight and 15 hours with dynamic RGB lighting. The battery is included and required for wireless operation.



Figure 7: Battery life estimates for the TH85 keyboard.

3.4 Typing Experience

The keyboard features pre-lubed Creamy Jade Linear Switches and a gasket-mount structure with 5 layers of dampening materials (Poron, IXPE, Silicone, Sound Enhancement Pad). This design reduces vibrations and provides a soft, creamy, and satisfying acoustic profile for typing.

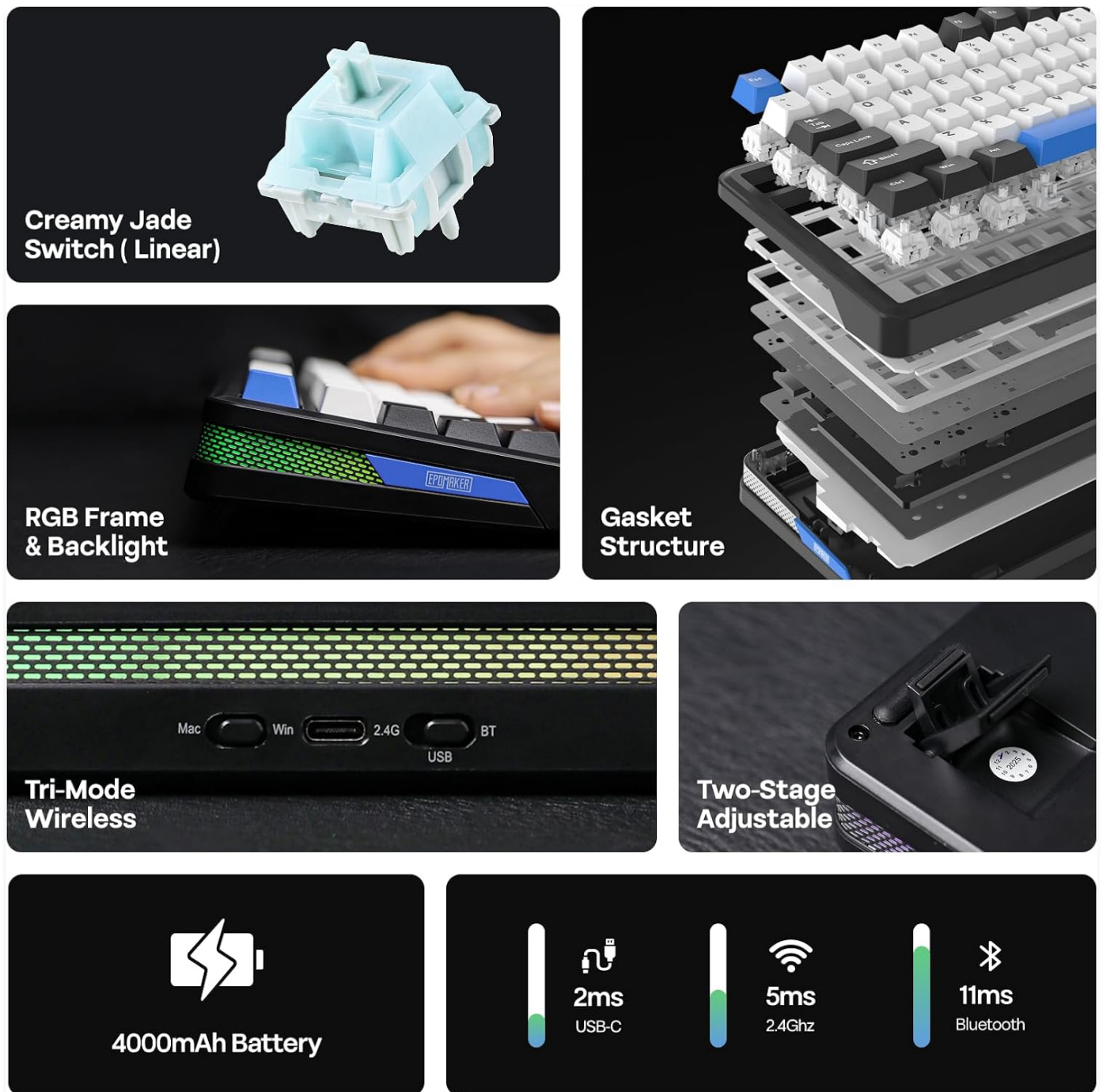


Figure 8: Creamy Jade Linear Switch and Gasket Structure details.

Video 3: Epomaker TH85 Typing Video. This video demonstrates the typing sound and feel of the keyboard.

Video 4: EPOMAKER TH85 ASMR Typing Video. This video provides an ASMR experience of the keyboard's typing sound.

4. MAINTENANCE

4.1 Cleaning

Regularly clean your keyboard to prevent dust and debris buildup. Use a soft brush or compressed air to remove particles between keycaps. For surface cleaning, a damp cloth with mild soap can be used, ensuring no liquid enters the keyboard.

4.2 Hot-Swappable Switches and Keycaps

The TH85 features hot-swappable sockets compatible with 3/5-pin mechanical switches, allowing for easy customization

and replacement without soldering. The PBT keycaps are durable and can be removed using the provided keycap puller.

THREE CONNECTION MODES

Support for a variety of devices and systems



Figure 9: Hot-swappable feature of the TH85 keyboard.

5. TROUBLESHOOTING

5.1 Connectivity Issues

If you experience connectivity issues (e.g., lag, disconnections), ensure the keyboard is within range of your device. For 2.4GHz, try moving the receiver closer or using a different USB port. For Bluetooth, ensure your device's Bluetooth is enabled and try re-pairing. If issues persist, try the USB-C wired connection.

Video 5: EPOMAKER TH85 Tri-Mode Connection. This video explains how to switch between different connection modes.

5.2 Key Input Problems

If certain keys are not registering or are ghosting, ensure the switches are properly seated in their sockets. The hot-swappable design allows for easy inspection and re-insertion of switches. If a switch is faulty, replace it with one of the spare switches provided.

6. SPECIFICATIONS

Feature	Detail
Product Dimensions	13.78 x 5.51 x 1.65 inches
Item Weight	2.88 pounds
Item Model Number	TH85
Batteries	1 Lithium Ion batteries required. (included)
Connectivity Technology	Bluetooth, USB-C, 2.4Ghz wireless
Keyboard Description	Mechanical
Number of Keys	84
Keyboard Backlighting	RGB
Special Features	Gasket-Mount, Backlit, Low-Latency, QMK/VIA, Hot-Swappable

7. WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official EPOMAKER website or contact their customer service. A digital version of this user manual is also available for download.

You can find additional support and resources by visiting the[EPOMAKER Store on Amazon](#).

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