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> EPOMAKER TH99 Tri-Mode Wireless Mechanical Keyboard User Manual

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EPOMAKER TH99 Tri-Mode Wireless Mechanical Keyboard User Manual

Model: TH99

INTRODUCTION

Thank you for choosing the EPOMAKER TH99 Tri-Mode Wireless Mechanical Keyboard. This manual provides detailed instructions on setting up, operating, and maintaining your new keyboard. The TH99 is designed for versatility and performance, featuring tri-mode connectivity, hot-swappable switches, dynamic RGB backlighting, and a comfortable gasket-mounted design. Please read this manual thoroughly to ensure optimal use and longevity of your device.



Image: The EPOMAKER TH99 Mechanical Keyboard in black, showcasing its full layout with white accent keys.

PRODUCT FEATURES

- **Tri-Mode Connectivity:** Seamlessly switch between wired USB-C, 2.4GHz wireless, and Bluetooth 5.0 connections for versatile use across multiple devices.
- **Hot-Swappable Switches:** Compatible with 3/5-pin mechanical switches, allowing for easy customization and replacement without soldering.
- **Gasket-Mounted Structure:** Provides a soft, flexible typing feel and a satisfying, creamy sound profile, enhanced by five

layers of sound-dampening materials.

- **Dynamic RGB Backlighting:** Features 102 south-facing per-key LEDs with customizable RGB effects and single-color options.
- **High-Capacity Battery:** Equipped with an 8000mAh battery, offering extended usage up to 800 hours with backlighting off.
- **Compact 1800 Layout:** A space-saving design that retains a full Numpad and dedicated function keys for enhanced productivity.
- **Low Latency Performance:** Achieves 2ms latency in wired mode and 2-5ms in 2.4G mode, ideal for gaming and responsive input.
- **PBT Keycaps & Cherry Profile:** Durable, grease-resistant PBT keycaps in a comfortable Cherry profile for long-lasting clarity and ergonomic typing.



Image: A diagram illustrating key features of the EPOMAKER TH99, including dimensions, weight, tri-mode wireless, premium design, PBT keycaps, Cherry profile, and Creamy Jade switches.

Package Contents

- EPOMAKER TH99 Mechanical Keyboard
- Switch & Keycap Puller
- Detachable USB-C Keyboard Cable
- Multilingual User Manual (PDF version available online)



Image: The EPOMAKER TH99 keyboard alongside its packaging, user manual, USB-C cable, and keycap/switch puller.

Connectivity Modes

The TH99 keyboard supports three connection modes: Wired (USB-C), 2.4GHz Wireless, and Bluetooth 5.0. A toggle switch located on the top edge of the keyboard allows you to select your preferred mode.

1. **Wired Mode:** Connect the provided USB-C cable from the keyboard to your computer's USB port. The keyboard will automatically switch to wired mode. This mode offers the lowest latency (2ms).
2. **2.4GHz Wireless Mode:**
 - Locate the 2.4GHz USB receiver (dongle) in the keyboard's storage slot or packaging.

- Plug the USB receiver into an available USB port on your computer.
- Toggle the switch on the keyboard to the "2.4G" position. The keyboard should connect automatically.

3. Bluetooth Mode:

- Toggle the switch on the keyboard to the "BT" position.
- On your device (PC, Mac, tablet, smartphone), enable Bluetooth and search for new devices.
- Select "EPOMAKER TH99" from the list of available devices to pair.
- The keyboard supports pairing with up to three Bluetooth devices. Use **FN + Q**, **FN + W**, or **FN + E** to switch between paired devices.



Image: A visual representation of the EPOMAKER TH99 connecting to various devices via Bluetooth, 2.4GHz wireless, and USB-C cable.

Your browser does not support the video tag.

Video: An unboxing video of the Epomaker TH99 keyboard, demonstrating its initial presentation and included accessories.

Charging the Battery

The EPOMAKER TH99 features an 8000mAh battery. To charge the keyboard, connect it to a USB power source using the provided USB-C cable. The keyboard can be used while charging. A low battery indicator may be present, and the backlight may dim or turn off to conserve power.



Image: A visual representation of the keyboard's battery charging status, indicating a full charge.

OPERATING INSTRUCTIONS

Basic Key Functions

The TH99 keyboard features a standard 1800 layout with a full Numpad and dedicated function keys. Many functions are accessible via the **FN** (Function) key combined with other keys.

Key Combination	Function
FN + INS	Change RGB light effect mode
FN + BACKSPACE	Toggle backlight ON/OFF
FN + Q/W/E	Switch between Bluetooth devices (BT1, BT2, BT3)
FN + R	Activate 2.4GHz wireless mode
FN + WIN	Lock/Unlock Windows key
FN + F1-F12	Multimedia and system control functions (e.g., volume, media playback)

RGB & SINGLE COLOR BACKLIT



Image: The EPOMAKER TH99 keyboard displaying its RGB backlight, with callouts for FN + INS (change light effect) and FN + BACKSPACE (backlight ON/OFF).

Your browser does not support the video tag.

Video: A demonstration of the various RGB lighting effects available on the EPOMAKER TH99 keyboard.

Software Customization

The EPOMAKER TH99 keyboard is fully configurable via dedicated software. This software allows for advanced customization, including:

- Key remapping and macro setting.
- Detailed RGB backlight customization (colors, patterns, speed, brightness).
- Firmware updates.

Please visit the official EPOMAKER website to download the latest software for your TH99 keyboard.

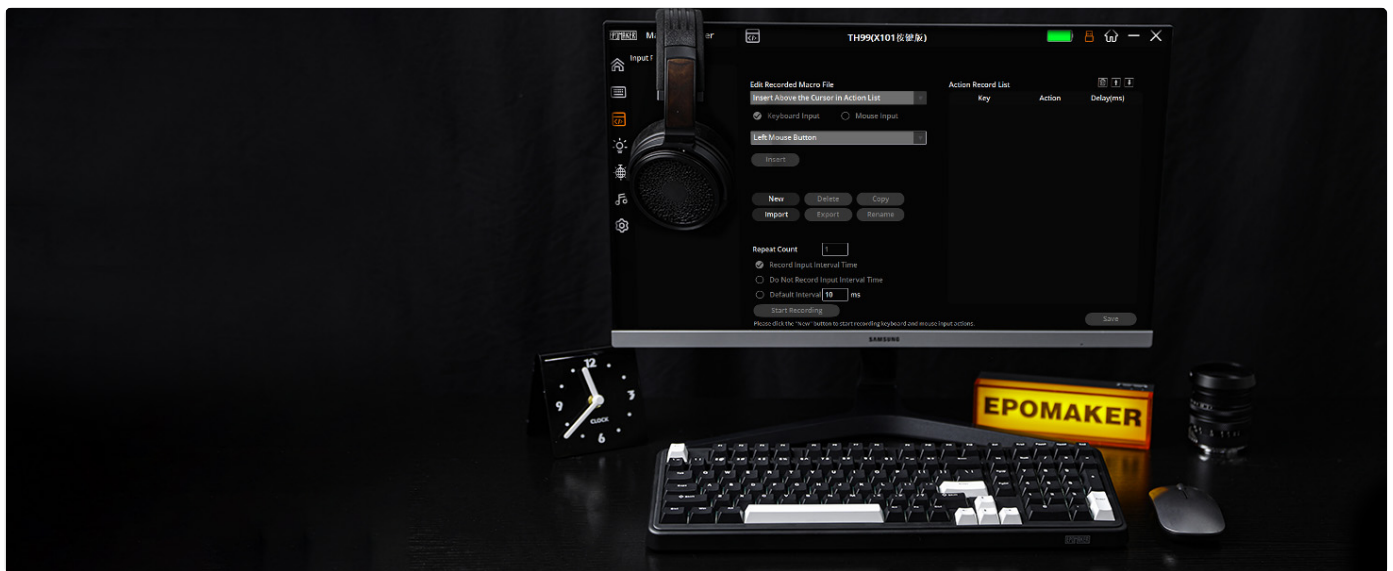


Image: A screenshot of the EPOMAKER keyboard customization software interface, showing options for key mapping and macro settings.

MAINTENANCE

Cleaning Your Keyboard

To maintain the performance and appearance of your TH99 keyboard, regular cleaning is recommended:

- Disconnect the keyboard from your device before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe down the keycaps and chassis.
- For dust and debris between keys, use compressed air or a small brush.
- Avoid using harsh chemicals or abrasive materials, as these can damage the keycaps or finish.

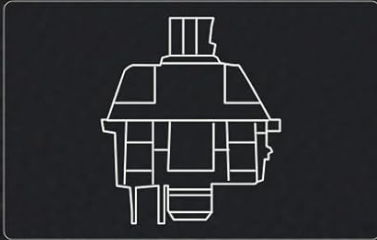
Hot-Swappable Switches and Keycaps

The TH99 keyboard features hot-swappable sockets, allowing you to easily change mechanical switches (3-pin or 5-pin) and keycaps without soldering. This provides flexibility for customization and repair.

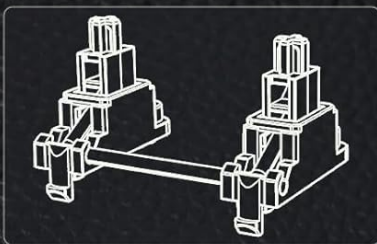
1. **Removing Keycaps:** Use the provided keycap puller to gently grip and lift the keycap straight up.
2. **Removing Switches:** Use the provided switch puller. Align the prongs of the puller with the two clips on the top and bottom of the switch. Squeeze the clips and gently pull the switch straight up.
3. **Installing Switches:** Ensure the pins on the new switch are straight. Align the switch with the hot-swap socket on the PCB and press down firmly until it clicks into place. Do not force the switch if it doesn't go in smoothly; check pin alignment.
4. **Installing Keycaps:** Align the keycap with the switch stem and press down firmly until it is seated.

HOT SWAPPABLE

3/5-pin Mechanical Switches



Lubed Switches



Tuned Stabilizers



MX Cherry Keycap



Image: A close-up view of the EPOMAKER TH99 keyboard demonstrating the hot-swappable feature, showing a switch being removed with a puller.



Image: A diagram illustrating the hot-swappable PCB of the EPOMAKER TH99, compatible with 3/5-pin mechanical switches.

TROUBLESHOOTING

• Keyboard not responding:

- Ensure the keyboard is charged.
- Check the connectivity mode switch (Wired, 2.4G, BT) is in the correct position.
- For wired mode, ensure the USB-C cable is securely connected to both the keyboard and the computer.
- For 2.4GHz mode, ensure the USB receiver is properly inserted and the keyboard is in 2.4G mode.
- For Bluetooth mode, ensure Bluetooth is enabled on your device and the keyboard is paired. Try re-pairing if necessary.

• Backlight not working:

- Press **FN + BACKSPACE** to toggle the backlight on/off.
 - Ensure the keyboard battery has sufficient charge.
 - Check backlight settings in the customization software.
- **Keys not registering or double-typing:**
 - This could indicate a faulty switch. Utilize the hot-swappable feature to replace the affected switch.
 - Ensure switches are fully seated in their sockets.
- **Bluetooth connection unstable:**
 - Ensure no other devices are causing interference.
 - Move the keyboard closer to your device.
 - Try forgetting the device on your computer and re-pairing.

SPECIFICATIONS

Feature	Detail
Product Dimensions	16.46 x 5.91 x 1.65 inches
Item Weight	2.51 pounds
Model Number	TH99
Battery Capacity	8000mAh (1 D battery included)
Connectivity Technology	Bluetooth 5.0, 2.4GHz Wireless, USB-C Wired
Keyboard Description	Mechanical
Number of Keys	102
Backlighting	RGB (per-key south-facing LEDs)
Special Features	Creamy Sound, Programmable Keys, Hot-Swappable, Gasket-Mounted
Compatible Devices	Laptop, PC, Gaming Console, Tablet, Smartphone



Image: A detailed view of the EPOMAKER TH99 keyboard's side profile, showing its dimensions and the ergonomic Cherry keycap profile.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official EPOMAKER website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

Your browser does not support the video tag.

Video: A short preview highlighting the premium feel and versatility of the keyboard for both work and gaming.

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