EPOMAKER TH33

EPOMAKER TH33 Wireless Mechanical Numpad Instruction Manual

Model: TH33 | Brand: EPOMAKER

1. INTRODUCTION

The EPOMAKER TH33 is a versatile 33-key wireless mechanical numpad designed to enhance productivity and gaming experiences. It features multi-mode connectivity (Bluetooth 5.0, 2.4GHz wireless, and USB Type-C wired), a hot-swappable PCB for switch customization, vibrant RGB backlighting, and VIA software compatibility for advanced key remapping and macro creation. Its ergonomic design, durable PBT keycaps, and gasket-mounted structure provide a comfortable and satisfying typing experience.
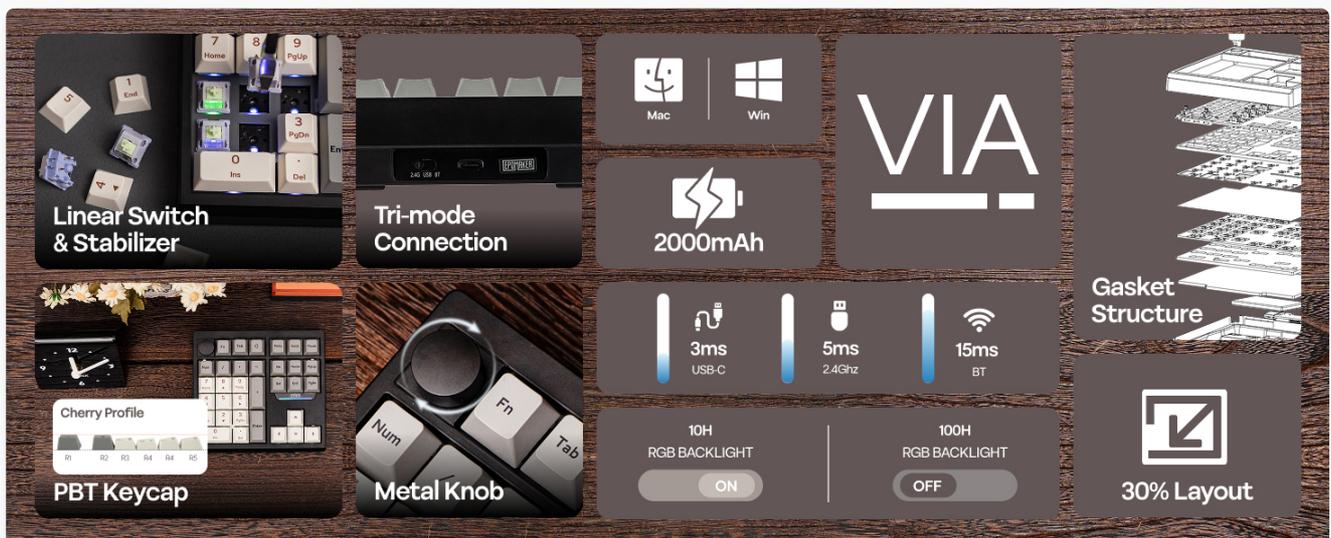

Figure 1: EPOMAKER TH33 Wireless Numpad overview, showing its compact layout, metal knob, connectivity hub, and two-stage kickstand.

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Video 1: A detailed close-up view of the EPOMAKER TH33 Numpad, showcasing its design, keycaps, and build quality.

2. PACKAGE CONTENTS

Please check the box for the following items:

- 1x EPOMAKER TH33 Wireless Mechanical Numpad
- 1x USB A-to-C Cable
- 1x 2.4GHz Wireless Receiver (stored inside the numpad)
- 1x 2-in-1 Switch-and-Keycap Puller
- Extra Switches
- 1x Backspace Keycap
- 1x Multilingual Manual
- 1x Product Card

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Video 2: An unboxing video of the EPOMAKER TH33, showing all included accessories and the numpad itself.

3. PRODUCT OVERVIEW

3.1 Key Features

- **Multi-mode Connectivity:** Supports Bluetooth 5.0, 2.4GHz wireless, and USB Type-C wired connections.
- **2000mAh Rechargeable Battery:** Provides extended usage time.
- **Gasket Mount Design:** Enhances typing feel and sound by reducing vibrations.
- **Hot-Swappable PCB:** Compatible with most 3-pin and 5-pin MX-style mechanical switches for easy customization.
- **RGB Backlighting:** Per-key customizable RGB with south-facing LEDs.
- **Durable PBT Keycaps:** Crafted with dye-sublimation printing for long-lasting legends and grease resistance.
- **Ergonomic Design:** Features a 2-stage adjustable kickstand and Cherry-profile keycaps for comfortable typing.
- **VIA Software Programmable:** Allows for key remapping, macro creation, and lighting customization.
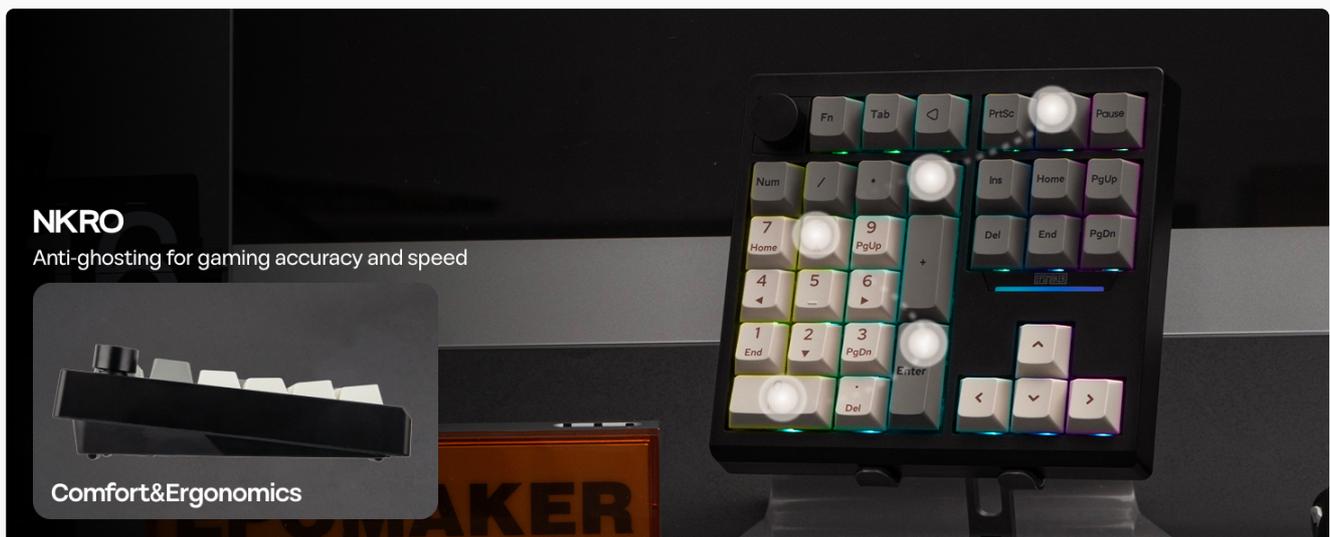- **Multi-functional Knob:** Customizable for volume control, scrolling, or other functions.

Figure 2: Visual summary of the EPOMAKER TH33's core features, including switch type, connectivity options, battery capacity, and internal structure.

4. SETUP

4.1 Wired Connection

1. Locate the USB Type-C port on the numpad.

2. Connect the provided USB A-to-C cable to the numpad and your computer.

3. Ensure the mode switch on the numpad is set to 'USB'.

4. The numpad will be automatically recognized by your computer.

4.2 2.4GHz Wireless Connection

1. Retrieve the 2.4GHz wireless receiver from its storage slot on the numpad.

2. Plug the receiver into an available USB port on your computer.

3. Set the mode switch on the numpad to '2.4G'.

4. The numpad should connect automatically.

4.3 Bluetooth Connection

1. Set the mode switch on the numpad to 'BT'.

2. On your computer or device, enable Bluetooth and search for new devices.

3. Select 'EPOMAKER TH33' from the list of available devices to pair.

4. The numpad supports up to 3 Bluetooth devices. Use Fn + 1/2/3 to switch between paired devices.

Figure 3: Illustration of the TH33's tri-mode connectivity, highlighting its compatibility with various operating systems.

4.4 Charging

Connect the numpad to your computer using the USB Type-C cable. The RGB backlight will indicate charging status. The 2000mAh battery ensures long-lasting power.

5. OPERATING INSTRUCTIONS

5.1 Basic Key Functions

The TH33 numpad features a standard numeric keypad layout along with additional navigation and function keys. The layout is designed to be versatile for both left- and right-handed users.

5.2 RGB Backlight Control

The numpad features dynamic RGB backlighting. Use the following key combinations with the**Fn** key to control the lighting effects:

- **Fn + Backspace:** Turn On/Off All Lights
- **Fn + Enter:** Toggle Backlight Effect
- **Fn + PgUp:** Toggle Logo Light Effect
- **Fn + PgDn:** Toggle Logo Light Colors (Single Color Only)
- **Fn + ↓ (Down Arrow):** Decrease Backlight Brightness
- **Fn + ↑ (Up Arrow):** Increase Backlight Brightness
- **Fn + ← (Left Arrow):** Decrease Backlight Hue
- **Fn + → (Right Arrow):** Increase Backlight Hue
- **Fn + - (Minus):** Decrease Backlight Saturation
- **Fn + + (Plus):** Increase Backlight Saturation
- **Fn + / (Slash):** Decrease Backlight Effect Speed
- **Fn + * (Asterisk):** Increase Backlight Effect Speed

Figure 5: Dynamic RGB Backlight features and control shortcuts.

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Video 3: Demonstration of how to toggle and customize the RGB backlighting on the TH33 Numpad.

5.3 Multi-functional Knob

The metal knob on the TH33 numpad can be customized for various functions, such as volume control (rotate for volume up/down, press to mute) or other custom actions via VIA software.

Figure 6: The multi-functional metal knob and its customizable options.

5.4 VIA Software Customization

The EPOMAKER TH33 is fully programmable with VIA software, allowing you to remap keys, create complex macros, and customize lighting effects across multiple layers. To use VIA:

1. Ensure your numpad is connected via USB.
2. Download the appropriate JSON file for the TH33 from the EPOMAKER website or a trusted source.
3. Visit the VIA web configurator.
4. Go to the 'Design' tab and load the downloaded JSON file.
5. Switch to the 'Configure' tab, and your TH33 numpad should be detected.
6. You can now remap keys, set macros, and adjust lighting settings. Changes are applied in real-time.

Figure 7: The VIA software interface for programming the TH33 Numpad.

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Video 4: A guide on how to customize the TH33 Numpad using VIA software, including key remapping and macro setup.

6. MAINTENANCE

6.1 Cleaning

- Disconnect the numpad from your computer before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe the keycaps and casing.
- For deeper cleaning, use the provided keycap puller to remove keycaps and clean underneath with compressed air or a small brush.

6.2 Switch and Keycap Replacement

The TH33 features a hot-swappable PCB, allowing for easy replacement of switches without soldering. Use the included 2-in-1 puller tool:

- To remove a keycap, gently hook the keycap puller under the keycap and pull upwards.
- To remove a switch, use the switch puller to grip the top and bottom clips of the switch and pull upwards.
- To install a new switch, align its pins with the holes on the PCB and press down firmly until it clicks into place. Ensure pins are straight to avoid bending.
- To install a new keycap, align it over the switch stem and press down gently.
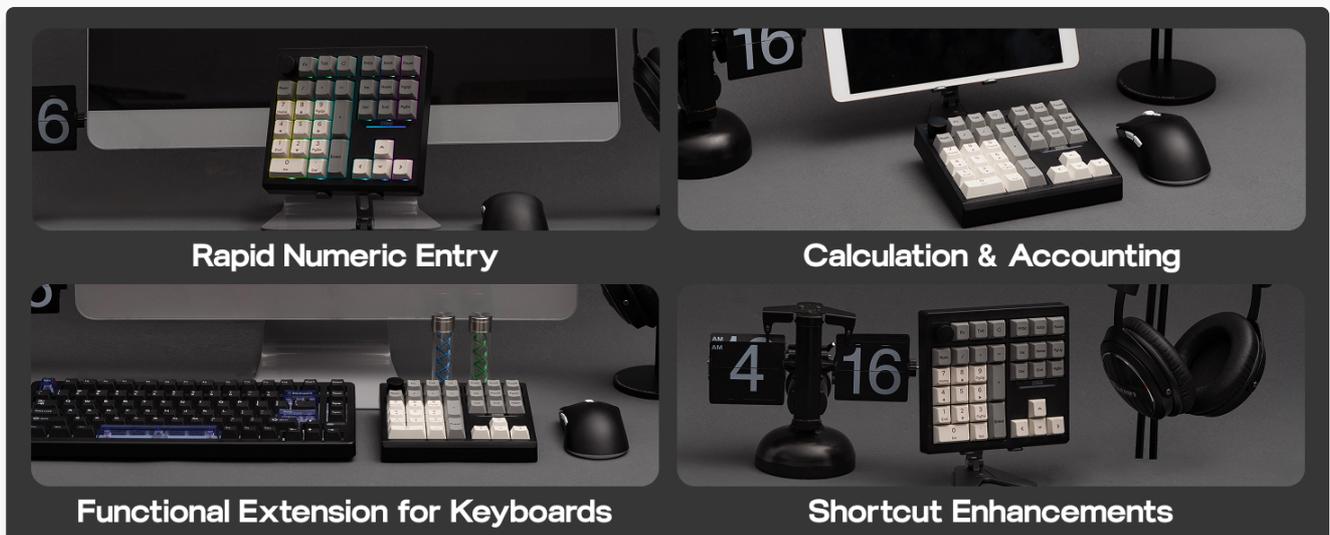

Figure 8: Exploded view of the Creamy Gasket-Mount structure, showing the hot-swappable PCB.

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Video 5: A sound test of the EPOMAKER TH33 with Wisteria V2 switches, demonstrating the typing experience and acoustic profile.

7. TROUBLESHOOTING

- **Numpad not connecting:** Ensure the mode switch is set correctly (USB, 2.4G, or BT). For 2.4G, check the receiver connection. For Bluetooth, ensure it's paired and selected. Try restarting your computer.
- **RGB backlight not working:** Check if the lights are turned off (Fn + Backspace). Adjust brightness (Fn + Up/Down Arrow). Ensure the numpad has sufficient battery charge.

- **Keys not responding:** Check for bent switch pins if you recently replaced switches. Ensure the numpad is properly connected or paired.
- **VIA software not detecting numpad:** Ensure the numpad is connected via USB and the correct JSON file is loaded in the 'Design' tab of the VIA configurator.
- **Lag or disconnections in wireless mode:** Ensure the numpad is within range of the receiver/Bluetooth device. Avoid interference from other wireless devices.

8. SPECIFICATIONS

Feature	Detail
Product Dimensions	5.96 x 5.56 x 1.79 inches
Item Weight	1.21 pounds
Connectivity Technology	2.4Ghz Wireless, Bluetooth 5.0, USB A-to-C Wired
Keyboard Description	Mechanical
Backlighting	RGB
Battery	2000mAh (1 D battery included)
Hot-Swappable	Yes (3-pin and 5-pin MX-style switches)
Programmable Software	VIA

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the product card included in your package or visit the official EPOMAKER website. You can also find additional resources and contact information on the EPOMAKER Store on Amazon.