

EPOMAKER RT100

EPOMAKER RT100 Mechanical Gaming Keyboard User Manual

Model: RT100

1. PRODUCT OVERVIEW

The EPOMAKER RT100 is a 97-key gasket-mount mechanical gaming keyboard designed for versatility and customization. It features triple connectivity modes (Bluetooth 5.0, 2.4GHz wireless, and USB-C wired), a unique detachable TFT-LCD display, a multi-function knob, and hot-swappable switches. This manual provides detailed instructions for setup, operation, and maintenance.



Image 1.1: The EPOMAKER RT100 mechanical keyboard, showcasing its 97-key layout, customizable display, and rotary knob.

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Video 1.1: An overview of the EPOMAKER RT100 Gasket Keyboard, demonstrating its features and functionality.

2. PACKAGE CONTENTS

Please verify that all items are present in the package:

- EPOMAKER RT100 Mechanical Keyboard
- USB-C Cable
- User Manual (this document)

3. SPECIFICATIONS

Feature	Detail
Model Number	RT100
Dimensions	12.99 x 4.57 x 0.98 inches
Weight	3.29 pounds
Connectivity	Bluetooth 5.0, 2.4GHz Wireless, USB-C Wired
Battery Capacity	5000mAh
Key Rollover	N-Key Rollover (NKRO)
Switches	Hot-Swappable Kailh Socket (Gateron Pro Yellow included)
Keycaps	5-Side Dye-sub PBT, MDA Profile
Backlighting	RGB, South-facing LEDs
Compatibility	Windows, macOS

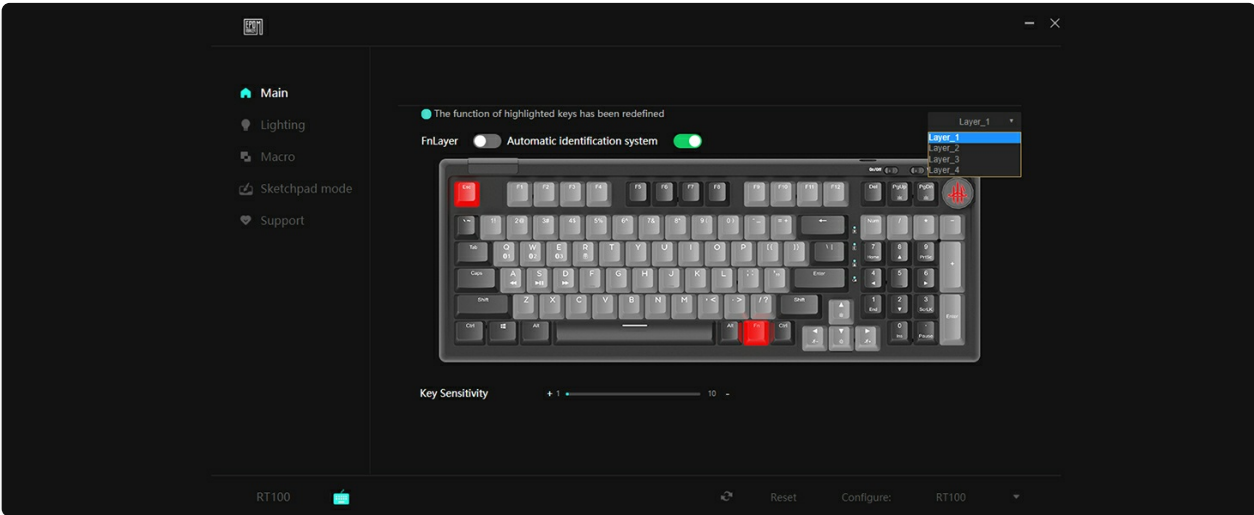


Image 3.1: The EPOMAKER RT100 keyboard highlighting its 5000mAh large capacity battery.

4. SETUP INSTRUCTIONS

4.1 Connectivity Modes

The RT100 keyboard supports three connection methods:

- **USB-C Wired:** Connect the keyboard directly to your computer using the provided USB-C cable.
- **2.4GHz Wireless:** Insert the 2.4GHz USB receiver into an available USB port on your computer. The

receiver is stored in a hidden compartment on the keyboard, accessible by detaching the mini display.

- **Bluetooth 5.0:** Enable Bluetooth on your device and search for the RT100 keyboard to pair.



Image 4.1: The EPOMAKER RT100 keyboard illustrating its triple connectivity options: Bluetooth, 2.4GHz wireless, and USB-C wired.

4.2 Detachable Smart TFT-LCD Display

The RT100 features a customizable mini TFT-LCD display. This display can show various information such as date, time, weather forecasts, and keyboard battery level. It also supports custom GIFs.

1. To access the 2.4GHz wireless receiver, gently detach the mini display from its port.
2. To customize the display, download and install the official EPOMAKER software from the manufacturer's website.
3. Within the software, navigate to the 'Sketchpad mode' to upload custom GIFs or images.



Image 4.2: A close-up view of the EPOMAKER RT100's detachable mini display, showing its informational capabilities and GIF customization.



Image 4.3: The EPOMAKER software interface, demonstrating options for customizing the keyboard's display and functions.

4.3 Customizable Knob

The rotary knob on the RT100 serves as a multi-media control by default, allowing you to adjust volume, play/pause media, and skip tracks. Its functionality can be further customized using the EPOMAKER software to assign various functions.

4.4 Operating System Layout Switch

A physical switch is located on the keyboard to toggle between Mac and Windows layouts, providing optimized hotkeys and macros for each operating system.



Image 4.4: Detail of the power switch (OFF for wired, ON for wireless) and the mode switch (Mac/Win) on the EPOMAKER RT100 keyboard.

5. OPERATING INSTRUCTIONS

5.1 N-Key Rollover (NKRO)

The RT100 supports N-Key Rollover, meaning every key press is registered independently, even when multiple keys are pressed simultaneously. This feature is beneficial for fast typing and gaming, preventing missed inputs.

5.2 RGB Lighting

The keyboard features south-facing RGB LEDs, providing optimal visibility of the lighting patterns from the user's perspective. There are 16 default lighting patterns, and additional customization options are available through the EPOMAKER software.

5.3 Hot-Swappable Switches

The RT100 is equipped with Kailh hot-swappable sockets, allowing users to change mechanical switches without soldering. This enables customization of typing feel and sound.

1. Use the provided switch puller tool to carefully remove a keycap.
2. Using the switch puller, gently grip the switch and pull it straight up to remove it from the socket.
3. Align the pins of the new switch with the holes in the PCB. Ensure the pins are straight to avoid bending.
4. Press the new switch firmly into the socket until it clicks into place.
5. Replace the keycap.



Image 5.1: Demonstrating the hot-swappable nature of the EPOMAKER RT100, with loose keycaps and switches.



Image 5.2: A user removing a switch from the EPOMAKER RT100 keyboard, illustrating the hot-swappable feature.

5.4 PBT Keycaps with MDA Profile

The RT100 features durable, non-greasy PBT keycaps with an MDA profile. This profile is designed for ergonomic comfort during extended typing sessions, and the dye-sublimated legends ensure long-lasting durability.

6. MAINTENANCE

- **Cleaning:** Regularly clean the keyboard with a soft, dry cloth. For deeper cleaning, remove keycaps and use compressed air to clear debris.
- **Keycaps:** PBT keycaps are durable but can be cleaned with mild soap and water if necessary. Ensure they are completely dry before reattaching.
- **Switches:** Avoid spilling liquids on the keyboard. If a switch feels inconsistent, it may be replaced due to the hot-swappable design.

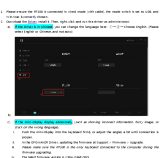

7. TROUBLESHOOTING


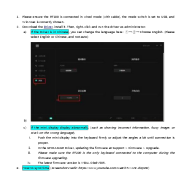

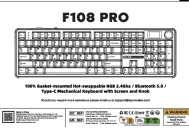
- **Keyboard not responding:** Ensure the keyboard is charged or connected via USB-C. Check the power switch. For wireless modes, ensure the receiver is properly inserted or Bluetooth is paired.
- **Display not working:** Verify the display is securely attached. Ensure the EPOMAKER software is installed and updated.
- **Keys not registering:** If specific keys are not working, the switch may be faulty. Utilize the hot-swappable feature to replace the switch.
- **Connectivity issues:** Try reconnecting the USB-C cable, re-pairing Bluetooth, or re-inserting the 2.4GHz receiver. Ensure no strong interference sources are nearby for wireless connections.

8. WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance, please visit the official EPOMAKER website or contact their customer service directly. Keep your purchase receipt for warranty claims.

Related Documents - RT100

	<p>EPOMAKER RT100 Mechanical Keyboard User Guide and Features</p> <p>Comprehensive guide to setting up and using the EPOMAKER RT100 mechanical keyboard, including driver installation, firmware updates, syncing time, CPU, and temperature, and customizing the mini display.</p>
	<p>EPOMAKER RT100 Mechanical Keyboard User Guide: Setup, Driver, and Customization</p> <p>User guide for the EPOMAKER RT100 mechanical keyboard, detailing driver installation, firmware updates, time and CPU synchronization, temperature display, and GIF customization for the mini screen.</p>

 <p>Official user manual for the EPOMAKER Theory TH68 Pro 65% mechanical gaming keyboard. Learn about its features including hot-swappable switches, RGB lighting, triple mode connectivity (Bluetooth 5.0, 2.4Ghz Wireless, USB-C), and rotary knob. Includes setup and usage instructions.</p>	<p>EPOMAKER Theory TH68 Pro Mechanical Gaming Keyboard User Manual</p> <p>Official user manual for the EPOMAKER Theory TH68 Pro 65% mechanical gaming keyboard. Learn about its features including hot-swappable switches, RGB lighting, triple mode connectivity (Bluetooth 5.0, 2.4Ghz Wireless, USB-C), and rotary knob. Includes setup and usage instructions.</p>
 <p>A comprehensive guide to setting up and using the EPOMAKER RT100 mechanical keyboard, including instructions on driver installation, language settings, display customization, time synchronization, CPU monitoring, temperature display, and firmware updates.</p>	<p>EPOMAKER RT100 Keyboard User Guide and Features</p> <p>A comprehensive guide to setting up and using the EPOMAKER RT100 mechanical keyboard, including instructions on driver installation, language settings, display customization, time synchronization, CPU monitoring, temperature display, and firmware updates.</p>
 <p>A quick start guide for the EPOMAKER RT100 98-key hot-plug wired/wireless mechanical keyboard, covering connection modes, key functions, and customization options.</p>	<p>EPOMAKER RT100 Mechanical Keyboard Quick Start Guide</p> <p>A quick start guide for the EPOMAKER RT100 98-key hot-plug wired/wireless mechanical keyboard, covering connection modes, key functions, and customization options.</p>
 <p>This guide provides instructions for setting up and using the EPOMAKER F108 PRO mechanical keyboard, including connection methods, function key combinations, and troubleshooting.</p>	<p>EPOMAKER F108 PRO Mechanical Keyboard Quick Start Guide</p> <p>This guide provides instructions for setting up and using the EPOMAKER F108 PRO mechanical keyboard, including connection methods, function key combinations, and troubleshooting.</p>