

EvoFox Ronin

EvoFox Ronin Wireless Mechanical Keyboard User Manual

Model: Ronin

INTRODUCTION

Welcome to the EvoFox Ronin Wireless Mechanical Keyboard user manual. This guide provides detailed instructions for setting up, operating, maintaining, and troubleshooting your new keyboard. The EvoFox Ronin offers versatile connectivity options (Wired, 2.4GHz, Bluetooth), a durable gasket-mounted design, hot-swappable Outemu Red switches, and customizable RGB lighting, designed for an enhanced typing and gaming experience.

WHAT'S IN THE BOX

Upon unboxing your EvoFox Ronin Wireless Mechanical Keyboard, please ensure all the following items are present:

- 1 x EvoFox Ronin Mechanical Keyboard
- 1 x USB Type-C Braided Cable (1.5m with EMI Ring)
- 1 x 2.4GHz USB Receiver (typically stored in the keyboard's magnetic compartment)
- 1 x Keycap Puller
- 1 x Switch Puller
- 4 x Spare Outemu Red Switches
- 1 x User Manual (this document)

PRODUCT FEATURES

The EvoFox Ronin Mechanical Keyboard is engineered with advanced features for optimal performance and

user experience:

- **9-Layer Gasket Mount Structure:** Designed for superior sound suppression, improved stability, and enhanced tactile feedback. This structure includes silicon gaskets, a mounting plate, and sound/vibration dampening layers.
- **Tri-Mode Connectivity:** Seamlessly switch between Wired (USB Type-C), 2.4GHz Wireless, and Bluetooth modes. Supports connection to up to 5 devices.
- **Hot-Swappable Switches:** Equipped with silent Outemu Red Dust Proof switches, offering a smooth and durable typing experience. The Pro Mod Hot-Swappable module allows for easy switch replacement without soldering.
- **75% Compact Layout:** A space-saving design that retains all essential keys, including a function row and dedicated arrow keys.
- **Per-Key RGB Backlighting:** Features 21 lighting effects and an exclusive Audio Sync Mode for a visually immersive experience. Customizable with 16 million colors.
- **Powerful Windows Software:** Allows for programming keys, creating macros, controlling backlighting, and managing profiles with on-board memory.
- **Dedicated Volume Controller:** A convenient knob for quick audio adjustments.
- **N-Key Rollover:** Ensures every keystroke is registered accurately, even during rapid typing or complex gaming commands.
- **Double Injection Keycaps:** Durable, non-erasable key legends for long-lasting clarity.
- **Adjustable Legs:** Double-height adjustable legs for ergonomic comfort.



Figure 1: Gasket Mount Structure Diagram

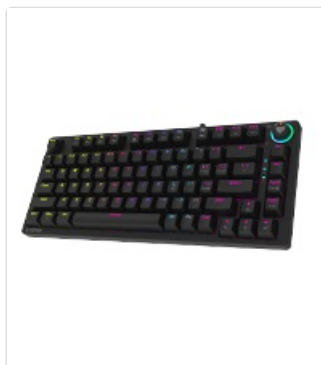


Figure 2: 75% Compact Design

SETUP

Connectivity Options

The EvoFox Ronin keyboard supports three connection modes:

1. **Wired Mode:**

Connect the provided USB Type-C cable to the keyboard's Type-C port and the other end to an available USB port on your computer. The keyboard will automatically be detected and ready for use. This mode offers the lowest latency (<1ms).

2. **2.4GHz Wireless Mode:**

Locate the 2.4GHz USB receiver (dongle) in the magnetic compartment on the back of the keyboard. Plug the receiver into an available USB port on your computer. Turn on the keyboard using the switch located on the side. The keyboard should connect automatically. This mode offers ultra-low latency (<20ms).

3. **Bluetooth Mode:**

Turn on the keyboard. Press and hold the Fn key + 1, 2, or 3 (for Bluetooth profiles) until the indicator light flashes rapidly, indicating pairing mode. On your device (laptop, PC, tablet, smartphone), search for Bluetooth devices and select "EvoFox Ronin" to pair. The keyboard can store up to 3 Bluetooth profiles, allowing quick switching between devices. This mode offers low latency (<70ms).



Figure 3: Tri-Mode Connectivity

Software Installation (Windows)

For advanced customization, including key remapping, macro creation, and detailed RGB control, download the EvoFox Ronin software from the official EvoFox website. Ensure your keyboard is connected via wired mode during software setup for optimal recognition. The keyboard features on-board memory, so your custom settings will be saved directly to the keyboard.

OPERATING INSTRUCTIONS

Basic Key Functions

The EvoFox Ronin keyboard utilizes an Fn (Function) key for accessing secondary functions printed on the keycaps. Common combinations include:

- **Fn + F1-F12:** Access multimedia controls (play/pause, volume, track skip) or system functions (e.g., brightness, search). Refer to the specific icons on your keycaps.
- **Fn + Backlight Key:** Cycle through different RGB lighting effects.
- **Fn + Arrow Keys:** Adjust backlight brightness or speed of effects.
- **Fn + Win:** Lock/unlock the Windows key to prevent accidental presses during gaming.

RGB Lighting Control

The keyboard features per-key RGB backlighting with 21 pre-set effects and an Audio Sync Mode. Use the dedicated backlight key (often located near the arrow keys or as an Fn combination) to cycle through effects. Adjust brightness and speed using Fn key combinations as indicated on the keycaps. Fine-tune colors and

create custom profiles using the Windows software.

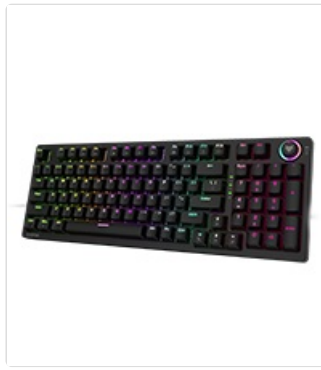


Figure 4: Prism RGB Backlighting

Volume Knob

The dedicated volume knob located on the top right of the keyboard allows for quick and intuitive audio control. Rotate the knob to adjust volume up or down. Pressing the knob typically mutes or unmutes the audio.

MAINTENANCE

Cleaning

To maintain optimal performance and appearance, regularly clean your keyboard:

- Disconnect the keyboard from your computer before cleaning.
- Use a soft brush or compressed air to remove dust and debris from between the keycaps.
- For keycap cleaning, gently remove them using the provided keycap puller. Clean keycaps with a mild soap solution and a soft cloth, then ensure they are completely dry before reattaching.
- Wipe the keyboard surface with a slightly damp, lint-free cloth. Avoid excessive moisture.

Switch and Keycap Replacement

The EvoFox Ronin features hot-swappable switches, allowing for easy replacement without soldering. Use the provided switch puller to carefully remove switches. Align new switches with the pins and press firmly until they click into place. Ensure the keyboard is disconnected during this process.

OUTEMU RED DUST PROOF SWITCHES

WITH PRO MOD HOTSWAPPABLE MODULE



50M
Clicks



Switch Puller
Included

Figure 5: Hot-Swappable Switches

TROUBLESHOOTING

If you encounter issues with your EvoFox Ronin keyboard, refer to the following common solutions:

Issue	Possible Cause / Solution
Keyboard not responding (Wired)	Ensure the USB Type-C cable is securely connected to both the keyboard and the computer. Try a different USB port or cable.
Keyboard not responding (2.4GHz)	Ensure the 2.4GHz USB receiver is securely plugged into a USB port. Check if the keyboard is turned on. The keyboard might need to be re-paired; refer to the setup section.
Keyboard not responding (Bluetooth)	Ensure Bluetooth is enabled on your device. Check if the keyboard is in pairing mode (Fn + 1/2/3, flashing light). Re-pair the device if necessary. Ensure the keyboard is charged.

Issue	Possible Cause / Solution
RGB lighting not working or stuck	Try cycling through lighting effects using the Fn key combinations. Ensure the keyboard software is not overriding settings. Restart the keyboard.
Keys not registering or delayed input	Ensure the keyboard is fully charged. If in wireless mode, move closer to the receiver/device to reduce interference. If the keyboard enters sleep mode too quickly, the first character might not register; ensure the keyboard is awake before typing. Consider updating keyboard firmware if available.
Software not detecting keyboard or not installing	Ensure the keyboard is connected via wired mode during software installation and use. Download the latest software version from the official EvoFox website. Check system compatibility (Windows 10 or higher).
Battery life is short	Reduce RGB brightness or turn off lighting when not needed. Ensure the keyboard is fully charged. The keyboard has a built-in battery-saving feature that activates after a few minutes of inactivity.

SPECIFICATIONS

Detailed technical specifications for the EvoFox Ronin Wireless Mechanical Keyboard:

Feature	Detail
Brand	EvoFox
Model Name	EvoFox Ronin TKL Wireless
Connectivity Technology	Bluetooth, 2.4GHz, Wired (USB Type-C)
Keyboard Description	Mechanical
Switch Type	Outemu Red Dust Proof Switches (Hot-Swappable)
Keyboard Layout	75% TKL (79 Keys), QWERTY
Polling Rate	Up to 1000Hz
Backlighting	Per Key RGB (21 effects, Audio Sync Mode, 16M Colors)
Compatible Devices	Laptop, PC
Compatible Operating System	Windows (Minimum Windows 10 required for software)
Item Dimensions (L x W x H)	32 x 13.5 x 2.6 Centimeters
Item Weight	308 g
Manufacturer Part Number	488
Country of Origin	China

WARRANTY AND SUPPORT

Warranty Information

The EvoFox Ronin Wireless Mechanical Keyboard comes with a **1 Year Manufacturing Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or normal wear and tear. Please retain your proof of purchase for warranty claims.

Customer Support

For technical assistance, warranty claims, or any other inquiries, please contact EvoFox customer support:

- **Manufacturer:** Allied Electronics & Magnetics Private Limited
- **Address:** C-64/4, Okhla Phase - 2, New Delhi - 110020
- **Website:** [Visit the EvoFox Store on Amazon](#) (for general product information and updates)

For the most up-to-date contact information and support resources, please visit the official EvoFox website.