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› ROYALAXE R108 Wireless Mechanical Keyboard User Manual

ROYALAXE R108

ROYALAXE R108 Wireless Mechanical Keyboard User Manual

1. INTRODUCTION

Thank you for choosing the ROYALAXE R108 Wireless Mechanical Keyboard. This manual provides detailed instructions for setting up, operating, and maintaining your keyboard. The R108 offers a versatile typing experience with its triple connection modes, hot-swappable switches, and customizable RGB lighting, designed for both Windows and Mac users.



Image 1: The ROYALAXE R108 Wireless Mechanical Keyboard.

2. PRODUCT FEATURES

- **Upgraded G Pro 3.0 Yellow Switch:** Features pre-lubed switches with frosted, light-guided surfaces for brighter, more consistent backlighting and harder pins for stable typing.
- **Triple Connection Modes & Multi-Device Tasking:** Supports 3 Bluetooth channels, 2.4GHz wireless USB, and Type-C wired connection, allowing seamless switching between up to 5 devices using the top-right knob.
- **Incredible Typing Experience & Sound:** Equipped with silky-smooth G Pro Yellow Switches, sound dampeners, and specially tuned stabilizers for a premium typing experience.
- **18+4 RGB Lighting Effects:** Offers 22 RGB light modes with adjustable brightness and monochromatic light options. Additional preset colors are available for download. (Note: 'Music Follow' mode is unavailable in MAC system.)
- **Hot-swappable Mechanical Keyboard with 5-Pin Sockets:** Designed for easy switch replacement (Key & Switch removers included). Sockets support both 5-pin and 3-pin switches (not compatible with Cherry switches).

- **Large Capacity Battery:** Features a 4200 mAh battery, providing up to 350 hours of standby time with RGB lights off (14 hours with RGB lights on).
- **Other Features:** Double shot PBT keycaps for durability, a dedicated switch for Windows/Mac system toggling, and full keys Anti-Ghosting (N-Key Rollover).

3. PACKAGE CONTENTS

The ROYALAXE R108 package includes the following items:

- R108 Mechanical Keyboard
- USB Cable
- 4 Spare Gateron G Pro 3.0 Yellow Switches
- Keycap Puller
- User Manual & Quick Guide



Image 2: Contents of the ROYALAXE R108 package.

4. SETUP

Before using your ROYALAXE R108 keyboard, ensure it is charged or connected via USB. Familiarize yourself with the connection mode switch and the Windows/Mac system switch located on the keyboard.

5. CONNECTION MODES

The R108 keyboard supports three connection types: Wired, 2.4G Wireless, and Bluetooth. You can switch between these modes using the knob on the top-right corner of the keyboard.

5.1 Wired Connection

1. Connect the provided USB Type-C cable to the keyboard's Type-C port.
2. Connect the other end of the USB cable to your computer's USB port.
3. Turn the mode knob to the 'Wired' position. The keyboard will automatically connect.

5.2 2.4G Wireless Connection

1. Locate the 2.4G USB dongle stored in the keyboard's base.
2. Insert the 2.4G USB dongle into an available USB port on your computer.
3. Turn the mode knob to the '2.4G' position. The keyboard should connect automatically.



Image 3: 2.4G USB dongle storage location.

5.3 Bluetooth Connection

1. Turn the mode knob to the 'BT' position.
2. Press and hold 'Fn' + 'BT1', 'BT2', or 'BT3' for 3-5 seconds until the indicator light flashes, indicating pairing mode.
3. On your device (computer, tablet, phone), search for Bluetooth devices and select 'ROYALAXE R108'.
4. Once paired, the indicator light will stop flashing. You can pair up to three Bluetooth devices.
5. To switch between paired Bluetooth devices, simply press 'Fn' + 'BT1', 'BT2', or 'BT3'.



Image 4: ROYALAXE R108 supporting multiple device connections.

Your browser does not support the video tag. This video demonstrates the RoyalAxe Mechanical Keyboard with Gateron G Pro Yellow Switches, highlighting its features and typing experience.

Video 1: Overview of the RoyalAxe Mechanical Keyboard with Gateron G Pro Yellow Switch.

6. OPERATING INSTRUCTIONS

6.1 RGB Lighting Effects

The R108 keyboard offers 18+4 (22 total) RGB lighting modes. You can adjust brightness and switch between monochromatic lights directly on the keyboard. For advanced customization and additional preset colors, download the dedicated application.



18+4 RGB LIGHTING EFFECTS

Adjust the ambient light to create the best atmosphere

Image 5: RGB lighting effects on the ROYALAXE R108 keyboard.

6.2 System Switch (Windows/Mac)

A dedicated switch on the top right corner allows you to toggle between Windows and Mac operating system layouts, ensuring optimal key functionality for your preferred OS.

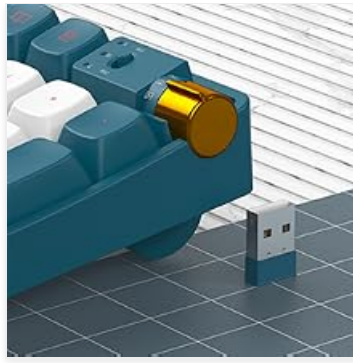


Image 6: Mode and system switch on the ROYALAXE R108.

6.3 Hot-Swappable Switches

The R108 features hot-swappable 5-pin sockets, allowing you to easily remove and replace switches without soldering. Use the included keycap and switch removers for this process. This enables customization of your typing feel.



Pre-lubed as before

Better consistency
of RGB diffusion

Triple-layer pins
to improve stability

UPGRADED G PRO 3.0 YELLOW SWITCHES

Image 7: Upgraded G Pro 3.0 Yellow Switches.

6.4 Anti-Ghosting (N-Key Rollover)

The keyboard supports full N-Key Rollover, meaning every key press is registered accurately, even when multiple keys are pressed simultaneously. This is crucial for fast typing and gaming.

7. MAINTENANCE

To ensure the longevity and optimal performance of your ROYALAXE R108 keyboard, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the keycaps and keyboard surface with a soft, dry cloth. For deeper cleaning, use the included keycap puller to remove keycaps and clean underneath.
- **Keycaps:** The double shot PBT keycaps are designed to resist grime buildup. Avoid using harsh chemicals that may damage the keycap material.
- **Switches:** If a switch becomes faulty or you wish to change the typing feel, use the included switch remover to carefully extract the switch and insert a new compatible one.
- **Storage:** When not in use, store the keyboard in a clean, dry environment away from direct sunlight and extreme temperatures.



DOUBLE SHOT PBT KEYCAPS

Excellent touch experience and oil resistant

Image 8: Double shot PBT keycaps.

8. TROUBLESHOOTING

- **Keyboard not responding:**
 - Ensure the correct connection mode (Wired, 2.4G, or BT) is selected using the knob.
 - For wireless modes, check battery level. Recharge if necessary.
 - For 2.4G, ensure the dongle is securely inserted.
 - For Bluetooth, ensure the keyboard is paired and selected on your device. Try re-pairing if issues persist.
- **RGB lights not working/incorrect:**
 - Check keyboard settings via the dedicated application for custom profiles.
 - Ensure the keyboard is not in a low-power mode that disables lighting.
- **Keys not registering or double-typing:**
 - This may indicate a faulty switch. Use the included switch remover to replace the affected switch with one of the spare switches.

- Ensure the keycap is properly seated on the switch.
- **Difficulty switching between Windows/Mac:**
 - Ensure the system switch on the top-right is firmly set to the desired operating system.

9. SPECIFICATIONS

Feature	Detail
Model Number	R108
Product Dimensions	17 x 4.8 x 1.7 inches (17"L x 4.8"W x 1.7"H)
Item Weight	3.94 pounds
Manufacturer	ROYALAXE
Batteries	2 Lithium Ion batteries required (included)
Compatible Devices	Laptop, Mac, PC, Tablet, iPad
Connectivity Technology	2.4G Wireless, Bluetooth, USB-C
Keyboard Description	Mechanical, Wireless/Wired/Bluetooth, Gaming
Recommended Uses	Business, Education, Everyday Use, Gaming
Special Feature	Programmable Keys, Rechargeable
Color	Whale Blue
Keyboard Backlighting	RGB
Style	Whale Blue 109 Keys



Full-sized 109 Keys Layout

Play games and work without any hassle

Image 9: ROYALAXE R108 keyboard dimensions.

4000mAh RECHARGEABLE BATTERY

Up to 350 hours of Standby Time

350 
hours RGB Backlight Off

14 
hours
RGB Backlight On



RAINBOW RGB BACKLIGHT

18+4 Different Lighting Effects

Image 10: Battery capacity and usage times.

10. WARRANTY AND SUPPORT

ROYALAXE is committed to providing quality products and excellent customer service. For any inquiries, technical support, or warranty claims, please refer to the contact information provided in your quick guide or visit the official ROYALAXE website.

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