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› RK ROYAL KLUDGE R75 Mechanical Keyboard User Manual

RK ROYAL KLUDGE R75

RK ROYAL KLUDGE R75 Mechanical Keyboard User Manual

Model: R75 | Brand: RK ROYAL KLUDGE

1. INTRODUCTION

The RK ROYAL KLUDGE R75 is a high-performance 75% layout mechanical keyboard designed for gaming and efficient typing. It features a custom gasket mount design, pre-lubed stabilizers, hot-swappable switches, and dynamic RGB backlighting with a convenient volume knob. This manual provides detailed instructions for setting up, operating, and maintaining your R75 keyboard.

2. WHAT'S IN THE BOX

Upon unboxing your RK ROYAL KLUDGE R75 Mechanical Keyboard, please verify that all the following components are included:

- 1 x RKR75 Mechanical Keyboard
- 1 x USB-C Cable
- 1 x Keycap Puller
- 4 x RK Switches (additional for replacement)
- 1 x User Manual (this document)

PACKAGE CONTENT



1 x RKR75 Mechanical Keyboard



4 x RK Switches



1 x Keycap Puller



1 x USB-C Wired



1 x User Manual

Figure 2.1: Package Contents of the RK ROYAL KLUDGE R75 Mechanical Keyboard, including the keyboard, USB-C cable, keycap puller, extra switches, and user manual.

3. SETUP

Follow these steps to set up your RK ROYAL KLUDGE R75 Mechanical Keyboard:

1. **Connect the USB-C Cable:** Locate the USB-C port on the back or side of the keyboard. Insert one end of the provided USB-C cable into this port.
2. **Connect to Computer:** Insert the other end of the USB-C cable into an available USB port on your computer (PC or Laptop).
3. **Driver Installation:** The keyboard is plug-and-play. Your operating system (Windows, macOS) should automatically detect and install the necessary drivers. No additional software installation is required for basic functionality.
4. **Initial Test:** Once connected, the keyboard's RGB backlighting should illuminate. Test basic key functions by typing in a text editor to ensure proper operation.



Figure 3.1: The RK ROYAL KLUDGE R75 Mechanical Keyboard with its USB-C cable connected, ready for use.

4. OPERATING INSTRUCTIONS

4.1 Multimedia Knob Functionality

The RK ROYAL KLUDGE R75 features a multi-functional CNC aluminum volume knob located in the upper right corner of the keyboard.

- **Turn to Adjust Volume:** Rotate the knob clockwise to increase volume and counter-clockwise to decrease volume.
- **Press to Mute/Unmute:** Press the knob down to instantly mute or unmute your audio output.



Figure 4.1: Detailed view of the multimedia knob, illustrating its volume adjustment and mute/unmute functions.

4.2 RGB Backlighting Control

The keyboard features customizable RGB backlighting with multiple modes and effects. Use the following key combinations to control the lighting:

- **FN + \|**: Toggle between 18 different RGB backlight modes.
- **FN + < or >**: Toggle between 8 monochrome backlight options or adjust RGB colors in certain modes.
- **FN + ↑ or ↓**: Adjust RGB brightness (5 levels).
- **FN + ← or →**: Adjust light speed (5 levels).

RK ENABLES ADVANCED CUSTOMIZATION



Figure 4.2: Key combinations for advanced RGB customization, including color, brightness, and speed adjustments.

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Video 4.1: Demonstration of RGB backlight modes and color changes on the RKR75 keyboard.

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Video 4.2: Overview of the RKR75 Mechanical Keyboard, showcasing its features and design.

4.3 Hot-Swappable Switches

The RK ROYAL KLUDGE R75 features a hot-swappable PCB, allowing you to change mechanical switches without soldering. This supports both 3-pin and 5-pin switches, offering flexibility for customization.

1. **Remove Keycap:** Use the provided keycap puller to gently remove the desired keycap.
2. **Remove Switch:** Use a switch puller (not included, but often comes with switch sets) to carefully pull the switch out of the PCB.
3. **Insert New Switch:** Align the pins of the new switch with the holes on the PCB. Press firmly until the switch clicks.

into place. Ensure pins are not bent.

4. **Replace Keycap:** Place the keycap back onto the new switch stem.



Figure 4.3: Illustration of the hot-swappable switch feature, showing a switch being removed from the PCB.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your keyboard.

- **Regular Cleaning:** Use a soft brush or compressed air to remove dust and debris from between the keycaps. For deeper cleaning, remove keycaps using the provided puller and clean the plate.
- **Keycap Cleaning:** Keycaps can be cleaned with a damp cloth and mild soap. Ensure they are completely dry before reattaching.
- **Switch Care:** Avoid spilling liquids on the keyboard. If a switch feels inconsistent, it may be replaced due to the hot-swappable design.
- **Cable Management:** Keep the USB-C cable untangled and avoid sharp bends to prevent damage.

6. TROUBLESHOOTING

If you encounter issues with your RK ROYAL KLUDGE R75 keyboard, refer to the following common solutions:

Problem	Possible Cause	Solution
Keyboard not responding / No power	Loose cable connection, faulty USB port, driver issue.	Ensure USB-C cable is securely connected to both keyboard and computer. Try a different USB port or computer. Restart your computer.
Keys not registering or "ghosting"	Dust/debris under keycap/switch, faulty switch, software conflict.	Clean under the keycap. If hot-swappable, try replacing the switch with one of the spares. Check for conflicting software or update keyboard firmware if available from manufacturer.
RGB backlighting not working or incorrect	Incorrect lighting mode selected, software issue.	Cycle through RGB modes using FN + \ . Adjust brightness using FN + ↑/↓. Ensure no third-party lighting software is interfering.
Volume knob not working	Software conflict, physical obstruction.	Check system audio settings. Ensure no debris is obstructing the knob's movement. Reconnect the keyboard.

7. SPECIFICATIONS

Feature	Detail
Model	R75
Layout	75% (81 keys + 1 knob)
Connectivity	Wired (USB-C)
Keyboard Description	Mechanical
Switch Type	Red Switch (Hot-Swappable, supports 3-pin/5-pin)
Backlighting	RGB (South-facing)
Special Features	Volume Roller, Gasket Mount, Pre-lubed Stabilizers, Anti-ghosting
Dimensions	13.78 x 7.48 x 2.09 inches
Item Weight	2.12 pounds
Compatible Devices	Laptop, PC, Gaming Console

8. WARRANTY AND SUPPORT

RK ROYAL KLUDGE products are designed for durability and performance. For specific warranty information and technical support, please refer to the official RK ROYAL KLUDGE website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims. For additional resources, you may refer to the official User Manual (PDF) available[here](#).

