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› RK ROYAL KLUDGE RK61 Wired 60% Mechanical Gaming Keyboard Instruction Manual

## RK ROYAL KLUDGE RK61

# RK ROYAL KLUDGE RK61 Wired 60% Mechanical Gaming Keyboard Instruction Manual

Model: RK61

Brand: RK ROYAL KLUDGE

## INTRODUCTION

Welcome to your new RK ROYAL KLUDGE RK61 Wired 60% Mechanical Gaming Keyboard. This ultra-compact 61-key keyboard is designed for both gaming and office use, offering programmability, RGB backlighting, and hot-swappable switches. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance.

## KEY FEATURES

- **Mini 60% Keyboard:** Ultra-compact layout with 61 keys, ideal for a neat desktop and increased mouse movement space, especially for FPS gamers.
- **Brown Switch:** Offers a tactile feel, slightly quieter than blue switches, suitable for both fast typing and gaming.
- **RK61 RGB Keyboard & QMK/VIA Programmable:** Features 18 RGB backlight modes, 8 monochrome modes, and 1 full-color backlight. Fully customizable via QMK/VIA software.
- **Ergonomic Mechanical Keyboard:** Scientific stair-up keycap design for maximum comfort, minimizing hand fatigue and typos. Designed for gamers, office workers, copywriters, programmers, typing teachers, and editors.
- **Keyboard Compatibility:** Compatible with Windows, MacOS, and Android via USB wired connection.

## PACKAGE CONTENTS

- RK61 Keyboard
- Keycap Puller
- USB Cable

# RK61

# QMK

# LIGHTS BRIGHTER



# VIA

## Fully Customizable WIRED Keyboard

You can easily customize keys and macros through the VIA.





### 61 Keys Layout

Compact Design



### QMK/VIA Support

Customize keyboard



### 18+RGB Backlit

Brighter Lights Modes



### Hot Swappable

3-5pins Switches



### Win & Mac OS

Quick to Switch OS



### Wired Mode

Removable Type-C Cable

RK ROYAL KLUDGE RK61 keyboard with included keycap puller, USB cable, and extra switches.

## SETUP INSTRUCTIONS

### Connecting the Keyboard

The RK61 keyboard connects via a USB-C cable.

1. Locate the USB-C port on the back of your RK61 keyboard.
2. Connect the provided USB-C cable to the keyboard.
3. Plug the other end of the USB cable into an available USB port on your computer (PC, Laptop, or compatible Android device).
4. The keyboard will automatically be recognized by your operating system (Windows, MacOS, Android).



Diagram showing the RK61 keyboard connected via USB-C, compatible with Windows, MacOS, and Linux OS.

## OPERATING INSTRUCTIONS

### RGB Backlight Modes

The RK61 features multiple RGB backlight modes. Use the following key combinations to control the lighting:

- **Fn + \ |**: Switch between 18 RGB backlight modes and 8 monochrome modes.
- **Fn + [ {**: Adjust light speed (slower).
- **Fn + ] }**: Adjust light speed (faster).
- **Fn + ; :**: Adjust light brightness (dimmer).
- **Fn + ' "**: Adjust light brightness (brighter).
- **Fn + Enter**: Toggle between Arrow Mode and Character Mode for the /? key.

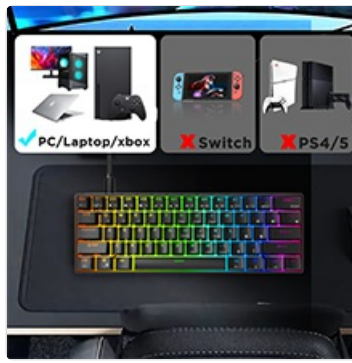


Image illustrating key combinations for controlling RGB lighting modes, speed, and brightness on the RK61 keyboard.

## Hot-Swappable Switches

The RK61 supports hot-swappable 3-pin or 5-pin switches, allowing for easy customization without soldering.

1. Use the provided keycap puller to gently remove the desired keycap.
2. Use the switch puller (often integrated with the keycap puller) to carefully remove the switch.
3. Align the pins of the new switch with the holes on the PCB and press firmly until it clicks into place.
4. Replace the keycap.



Image demonstrating the hot-swappable feature of the RK61 keyboard, showing a keycap and switch being removed with the included tool.



**100,000,000 Times**  
**Keystroke Life Test**

**RK SWITCH**  
Actuation Force

**LINEAR AND FASTER**

Close-up of a brown mechanical switch, highlighting its internal mechanism and tactile feedback.

Close-up of a finger pressing a keycap.

Disassembled view of the mechanical switch showing the internal components.

Graph showing Key Efficiency vs. Keystroke Time.

Close-up of a brown mechanical switch, highlighting its internal mechanism and tactile feedback.

## CUSTOMIZATION WITH QMK/VIA

The RK61 keyboard is programmable with QMK/VIA software, offering extensive customization options for key remapping, macros, and lighting effects.

For Windows users, download the RK QMK Software Driver from [bit.ly/RKRGBSOFT](https://bit.ly/RKRGBSOFT) (choose version 4.5).

For Windows and Mac users, access the VIA Web Page at [usevia.app](https://usevia.app). The RK61 layout for VIA can be found at [bit.ly/RK\\_QMK](https://bit.ly/RK_QMK).



Screenshot of the QMK/VIA software interface, showing options for key remapping, macros, layers, and lighting customization.

## MAINTENANCE

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### Cleaning

To clean your keyboard, first disconnect it from your computer. Use a soft brush or compressed air to remove dust and debris from between the keycaps. For deeper cleaning, remove the keycaps using the provided puller and wipe them with a damp cloth. Ensure all components are dry before reassembling and reconnecting.

### Storage

Store the keyboard in a dry, cool place away from direct sunlight and extreme temperatures to prevent damage.

## TROUBLESHOOTING

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### Keyboard Not Responding

- Ensure the USB-C cable is securely connected to both the keyboard and your computer.
- Try connecting the keyboard to a different USB port on your computer.
- Test the keyboard on another computer to rule out system-specific issues.

### Incorrect Key Output (e.g., Question Mark)

- The keyboard has "Arrow Mode" and "Character Mode". If the ` key produces an arrow or the `?` key requires `Fn + Shift + /`, you are likely in Arrow Mode.
- To switch to Character Mode (normal ` and `?` function), press **Fn + Enter**. The keyboard lights will flash to indicate the mode change.

## RGB Lights Not Working or Incorrect Colors

- Ensure the keyboard is properly powered.
- Use the **Fn** key combinations (as described in "Operating Instructions") to cycle through modes and adjust brightness.
- If using QMK/VIA software, verify your lighting settings and ensure they are applied correctly.

## PRODUCT SPECIFICATIONS

| Feature                             | Detail                                     |
|-------------------------------------|--------------------------------------------|
| Product Dimensions                  | 11.5 x 4.02 x 1.57 inches                  |
| Item Weight                         | 1.32 pounds                                |
| Manufacturer                        | RK ROYAL KLUDGE                            |
| Language                            | English                                    |
| ASIN                                | B089GMKFTP                                 |
| Item model number                   | RK61                                       |
| Compatible Devices                  | Laptop, PC                                 |
| Connectivity Technology             | USB-C                                      |
| Keyboard Description                | 60% Gaming & Office Mechanical Keyboard    |
| Recommended Uses For Product        | Programming, Typing, Work                  |
| Special Feature                     | Backlit                                    |
| Color                               | Black                                      |
| Keyboard backlighting color support | RGB                                        |
| Style                               | 60% Percent RGB Mechanical Gaming Keyboard |

## WARRANTY AND SUPPORT

RK ROYAL KLUDGE is committed to providing high-quality products and excellent customer service.

For any issues or inquiries, please contact us through the following methods:

- **Amazon Contact:** Find the store name "RK ROYAL KLUDGE" on Amazon and click "Ask a question" at the top right.
- **Email Support:** [support\\_RK\\_ROYAL@163.com](mailto:support_RK_ROYAL@163.com)

We aim to respond to all customer inquiries within 24 hours.



Image showing contact methods for RK ROYAL KLUDGE customer support via Amazon and email.