

RK ROYAL KLUDGE RK87/987/Sink87G

RK ROYAL KLUDGE Sink87G TKL Mechanical Gaming Keyboard User Manual

Model: RK87/987/Sink87G

1. INTRODUCTION

Thank you for choosing the RK ROYAL KLUDGE Sink87G TKL Mechanical Gaming Keyboard. This compact, tenkeyless (TKL) keyboard offers both wired and 2.4G wireless connectivity, dynamic RGB backlighting, and customizable features, providing a versatile and responsive typing and gaming experience. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance of your keyboard.



Image: The RK ROYAL KLUDGE Sink87G TKL Mechanical Gaming Keyboard in white, showcasing its compact layout and vibrant RGB backlighting. A USB wireless dongle is visible to the right of the keyboard.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- RK ROYAL KLUDGE Sink87G TKL Mechanical Gaming Keyboard
- USB Cable (Type-C to Type-A)
- 2.4G Wireless USB Receiver
- Keycap Puller / Switch Puller (may be combined)
- User Manual (this document)

3. PRODUCT OVERVIEW

The Sink87G keyboard is designed for performance and convenience, featuring:

- **Dual Connectivity:** Seamlessly switch between wired USB-C and 2.4G wireless modes.
- **TKL Layout:** An 87-key compact design that saves desk space without sacrificing essential keys.
- **Mechanical Switches:** Equipped with balanced brown mechanical switches for a tactile typing experience with low noise.
- **Dynamic RGB Backlighting:** 16.8 million colors with 20 preset light effects and customizable options.
- **Long Battery Life:** Built-in 1850mAh battery providing extended wireless usage.
- **Customizable Macros:** Support for 3 on-board macros and software-based customization.



Wireless
/ Wired



Brown
Switch



RGB
Dynamic
RGB



Customize
Macro



Detachable
Type-C



80%
TKL Layout



1850 mAh
Battery



3 On-board
Macro



Image: A visual summary of the keyboard's main features, including its dual connectivity, brown mechanical switches, RGB lighting, macro customization, detachable USB-C cable, TKL layout, and 1850mAh battery capacity.

Balanced Brown Mechanical Switches

Little bump tactile with low noise typing experience



Image: This image highlights the balanced brown mechanical switches used in the keyboard, emphasizing their tactile feedback and low noise operation. Several keycaps are removed to show the switch mechanisms.

4. SETUP

4.1. Charging the Keyboard

Before first use, it is recommended to fully charge the keyboard. Connect the supplied USB-C cable to the keyboard's USB-C port and the other end to a USB-A port on your computer or a 5V USB power adapter. The charging indicator light will show the charging status. A full charge typically takes 3-4 hours.

Supreme Core for Higher Endurance

1850mAh large battery capacity stand by

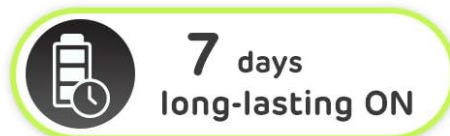


Image: This graphic illustrates the keyboard's battery features, including its 1850mAh capacity, fast charging capability (3-4 hours), and extended wireless usage time (up to 7 days).

4.2. Connecting the Keyboard

The RK ROYAL KLUDGE Sink87G supports two connection modes:

4.2.1. 2.4G Wireless Mode

1. Locate the mode switch on the bottom of the keyboard and slide it to the 'Wireless' or '2.4G' position.
2. Insert the 2.4G USB receiver into an available USB-A port on your computer.
3. The keyboard should automatically connect. If not, press **Fn + P** to enter pairing mode. The indicator light will flash, then become solid once connected.

4.2.2. Wired Mode

1. Locate the mode switch on the bottom of the keyboard and slide it to the 'Wired' or 'USB' position.
2. Connect the supplied USB-C cable to the keyboard's USB-C port and the USB-A end to your computer's USB-A port.

3. The keyboard will be recognized as a standard USB keyboard and is ready for use.



Image: This visual guide demonstrates both the 2.4G wireless connection method using a USB dongle and the reliable wired connection via a USB-C cable.

5. OPERATING INSTRUCTIONS

5.1. Basic Keyboard Functions

The keyboard operates as a standard TKL layout. Function keys (F1-F12) often have secondary multimedia or system functions accessible by pressing the **Fn** key in combination with the desired function key.

- **Fn + F1-F12:** Multimedia controls (e.g., volume, play/pause, stop, next/previous track). Specific functions may vary.
- **Fn + Win:** Locks/unlocks the Windows key to prevent accidental presses during gaming.

5.2. RGB Backlighting Control

The Sink87G keyboard features extensive RGB lighting customization directly from the keyboard or via software.

- **Fn + \|**: Cycles through 20 different RGB lighting effects.
- **Fn + ↑ / ↓**: Adjusts backlight brightness (5 levels).
- **Fn + ← / →**: Adjusts lighting effect speed.
- **Fn + Home**: Switches between static single colors (if supported by the current effect).

Dynamic RGB Illumination

20 RGB light effect modes meet all your moods



Image: A detailed view of the keyboard's right side, demonstrating the vibrant and dynamic RGB illumination with various light effect modes.

5.3. Macro Customization

The keyboard supports on-board macro recording and advanced customization via dedicated software.

5.3.1. On-board Macro Recording (Refer to specific key combinations in your quick start guide for exact steps)

Typically, on-board macro recording involves:

1. Entering macro recording mode (e.g., **Fn + M1/M2/M3**).
2. Pressing the keys you wish to record.
3. Exiting recording mode (e.g., pressing the macro key again or **Fn + M1/M2/M3**).

5.3.2. Software Customization

For advanced customization of lighting effects, key assignments, and macros, download the official RK ROYAL KLUDGE software. The software is compatible with Windows systems and requires the keyboard to be in wired mode during configuration.

Software download link: bit.ly/RK_Keyboard_SW_240104

Note: Please contact customer support for any software installation or usage questions.

Customize Your Way to Victory

DIY your own way to glory!



**20** Diversified Light Effects

 Macro Shortcuts Customizable

**Software** Supports DIY

Image: This image displays the user interface of the RK ROYAL KLUDGE customization software, which allows for detailed control over light effects, macro shortcuts, and other DIY settings for the keyboard.

6. MAINTENANCE

Proper maintenance ensures the longevity and performance of your keyboard.

- **Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe the keycaps and keyboard surface. Avoid excessive moisture. For deeper cleaning, use a keycap puller to remove keycaps and compressed air to clear debris from between switches.
- **Storage:** Store the keyboard in a cool, dry place away from direct sunlight and extreme temperatures.
- **Avoid Spills:** Liquids can severely damage the keyboard's internal components. In case of a spill, immediately

disconnect the keyboard and allow it to dry completely before attempting to use it again.

7. TROUBLESHOOTING

If you encounter issues with your RK ROYAL KLUDGE Sink87G keyboard, please refer to the following common solutions:

Problem	Possible Solution
Keyboard not responding in wireless mode.	Ensure the keyboard is charged. Verify the mode switch on the bottom is set to '2.4G' or 'Wireless'. Ensure the USB receiver is securely plugged into a working USB port. Try re-pairing by pressing Fn + P .
Keyboard not responding in wired mode.	Ensure the mode switch on the bottom is set to 'Wired' or 'USB'. Check if the USB-C cable is securely connected to both the keyboard and the computer. Try a different USB port on your computer. Test with a different USB-C cable if available.
RGB lighting not working or stuck.	Increase brightness using Fn + ↑ . Cycle through effects using Fn + \ . Ensure the keyboard is sufficiently charged. If using software, ensure settings are applied correctly.
Keys are not registering or double-typing.	Clean under the keycaps to remove any debris. Ensure the switch is properly seated if it's a hot-swappable model. Try updating the keyboard firmware if available (check RK ROYAL KLUDGE website).

If the problem persists after trying these solutions, please contact RK ROYAL KLUDGE customer support for further assistance.

8. SPECIFICATIONS

Feature	Detail
Model Number	RK87/987/Sink87G
Connectivity	2.4G Wireless, USB Wired (USB-C)
Keyboard Layout	Tenkeyless (TKL), 87-key
Switch Type	Mechanical (Brown Switches)
Backlighting	RGB (16.8 million colors, 20 effects)
Battery Capacity	1850mAh Lithium Polymer

Feature	Detail
Charging Time	Approx. 3-4 hours
Wireless Usage Time	Up to 7 days (depending on usage and lighting)
Material	Acrylonitrile Butadiene Styrene
Product Dimensions	13.78"L x 6.89"W x 1.97"H (approx. 35 x 17.5 x 5 cm)
Item Weight	2.66 pounds (approx. 1.2 kg)
Compatible Devices	Gaming Console, PC (Windows, macOS - basic functions)

9. WARRANTY AND SUPPORT

9.1. Warranty Information

RK ROYAL KLUDGE products typically come with a limited warranty covering manufacturing defects. Please refer to the warranty card included with your product or visit the official RK ROYAL KLUDGE website for detailed warranty terms and conditions. Keep your proof of purchase for warranty claims.

9.2. Customer Support

For technical support, warranty claims, or any other inquiries, please contact RK ROYAL KLUDGE customer service through their official website or the contact information provided in your product packaging. When contacting support, please have your product model number (RK87/987/Sink87G) and purchase details ready.