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Redragon K599

Redragon K599 60% Mechanical Keyboard User Manual

Model: K599

INTRODUCTION

This manual provides detailed instructions for the Redragon K599 60% Mechanical Keyboard. Please read this manual thoroughly before using the product to ensure proper operation and to maximize its lifespan. This compact keyboard offers both wired USB-C and 2.4G wireless connectivity, customizable RGB lighting, and hot-swappable mechanical switches.



Image: The Redragon K599 60% Mechanical Keyboard, showcasing its compact design and included wireless dongle.

PACKAGE CONTENTS

Upon opening the package, verify that all items listed below are present and in good condition:

- 1 x Redragon K599 Gaming Keyboard
- 1 x 2.4G Wireless Dongle
- 1 x Type-C Cable
- 4 x Replaceable Switches (Outemu Linear Red)
- 1 x Switch Puller
- 1 x Keycaps Puller
- 1 x User Manual



Image: A detailed view of the Redragon K599 keyboard and all its accessories included in the package, such as the USB-C cable, wireless dongle, extra switches, and tools.

SETUP

Wired Connection (USB-C)

1. Locate the USB-C port on the keyboard, typically on the rear or side.
2. Connect one end of the provided USB-C cable to the keyboard.
3. Connect the other end of the USB-C cable to an available USB port on your computer or device.
4. The keyboard will be automatically recognized by your system.

Wireless Connection (2.4G)

1. Locate the 2.4G wireless dongle. It may be stored in a compartment on the keyboard.
2. Plug the 2.4G wireless dongle into an available USB port on your computer or device.
3. Ensure the power switch on the keyboard (usually on the side or back) is set to the 'ON' position.
4. The keyboard should automatically connect to the dongle. If not, refer to the troubleshooting section.



Image: A close-up view of the USB-C port and the ON/OFF switch located on the side of the Redragon K599 keyboard, essential for wired and wireless setup.

OPERATING INSTRUCTIONS

Basic Functions

- **Key Layout:** The K599 features a 60% layout with 70 keys, designed for compactness while retaining essential functions.
- **Anti-Ghosting:** The keyboard supports 70-key full anti-ghosting in wired mode and 6-key anti-ghosting in wireless mode, ensuring all key presses are registered accurately during rapid input.
- **Compatibility:** Compatible with PC, PS4/5, Xbox, and limited Mac OS. No drivers are required for basic plug-and-play functionality.

RGB Backlighting Control

The K599 offers extensive RGB customization:

- **Preset Modes:** 18 preset lighting modes are available.
- **Monochrome Modes:** 8 monochrome backlighting modes.
- **Brightness Levels:** 6 brightness levels to adjust intensity.
- **Customization:** Each key can be customized in color, offering 16.8 million lighting effects. Refer to the specific key combinations in the included user manual for detailed customization steps.

70-Keys RGB Gaming Keyboard

Customizing backlight



Image: The Redragon K599 keyboard illuminated with vibrant RGB backlighting, demonstrating its customizable lighting features.

Battery and Charging

The keyboard is equipped with a 3000 mAh Li-Ion battery.

- **Battery Life:** Up to 60 hours with LED off, and 30 hours with LED on.
- **Charging:** Connect the keyboard via the USB-C cable to a power source (computer USB port or USB wall adapter) to charge. The LED indicator will show charging status.



Image: The Redragon K599 keyboard on a desk, emphasizing its wireless capability and 3000mAh battery capacity for extended use.

Software Customization

The K599 supports professional software for advanced customization, compatible with Windows, Android, and Mac systems. This software allows for:

- Key Performance settings (e.g., key delay, speed).
- Switch Backlight adjustments (brightness, speed, music rhythm effects).
- Key Assignment for G-mode custom keys.

Please visit the official Redragon website to download the latest software for your K599 model.

MAINTENANCE

Cleaning the Keyboard

Regular cleaning helps maintain the keyboard's performance and appearance:

- Disconnect the keyboard from your device before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe the keycaps and chassis.
- For dust and debris between keys, use compressed air or a small brush.
- Avoid using harsh chemicals or abrasive materials.

Replacing Switches (Hot-Swappable)

The K599 features hot-swappable Outemu mechanical switches, allowing for easy replacement without soldering.

1. Use the provided keycap puller to gently remove the desired keycap.
2. Use the provided switch puller to carefully grip the switch from its top and bottom clips.
3. Pull the switch straight up to remove it from the PCB.
4. Align the pins of the new switch with the holes on the PCB.
5. Gently push the new switch down until it clicks into place. Ensure the pins are not bent.
6. Replace the keycap.



Image: A close-up view of the Outemu linear red mechanical switches on the Redragon K599 keyboard, highlighting their design and the

hot-swappable nature.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Keyboard not responding (Wired)	Loose cable connection; Faulty USB port; Driver issue.	Ensure USB-C cable is securely connected. Try a different USB port. Restart your computer.
Keyboard not responding (Wireless)	Dongle not plugged in; Keyboard power off; Low battery; Interference.	Ensure 2.4G dongle is plugged in. Turn keyboard power ON. Charge the keyboard. Move closer to the dongle or reduce interference from other wireless devices.
RGB lighting not working or incorrect	Lighting mode not selected; Brightness too low; Software conflict.	Cycle through lighting modes using keyboard shortcuts. Increase brightness. Check keyboard software settings.
Keys not registering or double-typing	Dust/debris under keycap; Faulty switch.	Clean under the keycap with compressed air. If issue persists, replace the switch (refer to Maintenance section).
Short battery life	High brightness setting; Frequent use with LEDs on; Battery degradation.	Reduce LED brightness or turn off LEDs when not needed. Ensure full charge cycles.

SPECIFICATIONS

- **Model:** K599
- **Brand:** Redragon
- **Keyboard Description:** Mechanical
- **Switch Type:** Outemu Linear Red Switch
- **Number of Keys:** 70
- **Connectivity Technology:** 2.4G Wireless, USB-C Wired
- **Battery Capacity:** 3000 mAh Li-Ion
- **Battery Life:** Up to 60 hours (LED off), 30 hours (LED on)
- **Backlighting:** RGB (18 preset modes, 8 monochrome, 6 brightness levels, 16.8 million customizable colors)
- **Anti-Ghosting:** 70-key (wired), 6-key (wireless)
- **Hot-Swappable:** Yes
- **Compatible Devices:** PC, PS4/5, Xbox, limited Mac OS
- **Color:** Black
- **Item Weight:** Approximately 2.09 pounds
- **Package Dimensions:** Approximately 14.37 x 6.06 x 2.13 inches
- **Date First Available:** July 4, 2024

WARRANTY AND SUPPORT

Redragon is committed to providing professional after-sales service and technical support for the K599 Mechanical

Keyboard. For any issues not covered in this manual, or for warranty inquiries, please contact Redragon customer service through their official website or the retailer where the product was purchased.

Please retain your proof of purchase for warranty claims.