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Redragon K503KS

Redragon K503 Wireless Gaming Keyboard User Manual

Model: K503KS

1. Introduction

The Redragon K503 Wireless Gaming Keyboard is designed to provide a responsive and customizable gaming and typing experience. Featuring wireless connectivity, vibrant RGB backlighting, dedicated multimedia keys, and anti-ghosting technology, this keyboard offers enhanced functionality and comfort for extended use. Its durable construction and long-lasting battery make it a reliable choice for various computing environments.

2. What's in the Box

- Redragon K503 Wireless Gaming Keyboard
- 2-in-1 USB Receiver
- Detachable USB-C Cable

3. Setup Guide

3.1 Connecting the Keyboard

The Redragon K503 keyboard utilizes a 2-in-1 USB receiver for wireless connectivity. Follow these steps to connect your keyboard:

1. Locate the 2-in-1 USB receiver. It is typically stored in a compartment on the keyboard itself or included separately in the packaging.
2. Insert the USB receiver into an available USB port on your computer, laptop, or compatible device.
3. Ensure the keyboard's power switch (usually located on the back or bottom) is in the "ON" position.
4. The keyboard is plug-and-play and should automatically connect to your device within a few seconds. No additional drivers are typically required.

Figure 3.1: The Redragon K503 Wireless Gaming Keyboard, showcasing its full layout and RGB backlighting.

Figure 3.2: The Redragon K503 keyboard demonstrating its wireless connectivity with a laptop, highlighting the compact USB receiver.

3.2 Charging the Keyboard

The keyboard features a built-in rechargeable battery. Use the provided USB-C cable to charge the keyboard. Connect one end of the USB-C cable to the keyboard's charging port and the other end to a USB power source (e.g., computer USB port, USB wall adapter). A battery indicator light will typically show the charging status.
A full charge can provide up to 300 hours of use with the RGB lighting turned off.

4. Operating Instructions

4.1 Basic Keyboard Functions

The K503 keyboard features a standard 114-key layout, including a numeric keypad and dedicated function keys. It also includes a WIN lock function to prevent accidental presses of the Windows key during gaming sessions.

Figure 4.1: Close-up view of the Redragon K503 keyboard keys, highlighting their quiet and smooth tactile feel.

4.2 RGB Lighting Control

The keyboard features true RGB backlighting with 6 distinct lighting modes. You can customize the lighting effects directly from the keyboard:

- **Switching Lighting Modes:** Press **Fn + Page Up** to cycle through different lighting modes.
- **Changing Static Colors:** In static color modes, press **Fn + Home** to cycle through available colors.
- **Adjusting Brightness:** Press **Fn + Up Arrow** to increase brightness and **Fn + Down Arrow** to decrease brightness.
- **Adjusting Speed:** Press **Fn + Left Arrow** to decrease lighting effect speed and **Fn + Right Arrow** to increase lighting effect speed.

Figure 4.2: The Redragon K503 keyboard showcasing its customizable RGB backlighting with various effects.

4.3 Multimedia Keys

The K503 keyboard is equipped with 10 independent multimedia keys and 12 combination multimedia keys (accessed via the Fn key) for quick management of media playback, volume, and common applications. These keys allow for efficient control without interrupting your workflow or gaming session.

Figure 4.3: The Redragon K503 keyboard illustrating the placement and function of its independent and combination multimedia keys.

4.4 Anti-Ghosting Technology

The keyboard features 25 anti-ghosting keys with N-key rollover. This technology ensures that multiple key presses are registered simultaneously and accurately, preventing key clashes and allowing for complex key combinations essential for gaming and fast typing.

Figure 4.4: The Redragon K503 keyboard visually representing its 25 anti-ghosting keys, ensuring accurate input during rapid key presses.

5. Maintenance

To ensure the longevity and optimal performance of your Redragon K503 keyboard, regular maintenance is recommended:

- **Cleaning:** Use a soft, dry cloth to wipe down the keyboard surface. For dust and debris between keys, use compressed air. Avoid using harsh chemicals or abrasive materials.
- **Spill Prevention:** While the keyboard has splash resistance, it is not fully waterproof. Avoid exposing it to excessive liquids. In case of a spill, immediately disconnect the keyboard and allow it to dry completely before reconnecting.
- **Storage:** When not in use for extended periods, store the keyboard in a cool, dry place away from direct sunlight and extreme temperatures.

6. Troubleshooting

If you encounter issues with your Redragon K503 keyboard, refer to the following common solutions:

Problem	Possible Solution
Keyboard not responding.	Ensure the USB receiver is securely plugged into a working USB port. Check if the keyboard's power switch is in the "ON" position. Recharge the keyboard using the USB-C cable. The battery might be depleted. Try plugging the USB receiver into a different USB port on your device.
RGB lighting is off or not working correctly.	Ensure the keyboard is powered on and charged. Use **Fn + Page Up** to cycle through lighting modes. Use **Fn + Up Arrow** to increase brightness. If the lighting was turned off to save battery, reactivate it using the appropriate Fn key combination.
Wireless connection is unstable or frequently disconnects.	Ensure the keyboard is within the 15m operating range of the receiver. Avoid placing the receiver near sources of strong electromagnetic interference (e.g., Wi-Fi routers, other wireless devices). Try moving the receiver to a front USB port for better signal reception. Recharge the keyboard to ensure sufficient power for stable connection.

7. Specifications

Feature	Detail
Model	K503KS
Connectivity	2.4GHz Wireless (via 2-in-1 USB Receiver), USB-C (for charging/wired mode)
Keyboard Type	Membrane Gaming Keyboard
Number of Keys	114
Anti-Ghosting	25 Keys (N-key rollover)
Backlight	RGB LED Backlit (6 Lighting Modes)
Multimedia Keys	10 Independent, 12 Combination
Battery Life	Up to 300 hours (RGB OFF)
Dimensions (L x W x H)	17.48 x 7.87 x 1.18 inches (44.4 x 20 x 3 cm)
Weight	1.61 pounds (0.73 kg)
Material	Acrylonitrile Butadiene Styrene
Compatibility	Windows, PC, Laptop, Computer

8. Warranty and Support

8.1 Warranty Information

The Redragon K503 Wireless Gaming Keyboard comes with a **36-month warranty** from the date of purchase. This warranty covers manufacturing defects and issues arising from normal use. Please retain your proof of purchase for warranty claims.
The warranty does not cover damage caused by misuse, accident, unauthorized modification, or external factors such as power surges or liquid damage.

8.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact Redragon customer support. You can typically find contact information on the official Redragon website or through the retailer where you purchased the product.
Redragon provides 7*24Hrs Technology Support Team for customer assistance.

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