Redragon K648

Redragon K648 Wired Aluminum RGB Gaming Keyboard User Manual

Introduction

This manual provides detailed instructions for the Redragon K648 90% Wired Aluminum RGB Gaming Keyboard. It covers essential information regarding setup, operation, maintenance, and troubleshooting to ensure optimal performance and user experience. The K648 features a durable aluminum construction, 94-key layout, hot-swappable switches, noise-absorbing foams, and customizable RGB lighting.



Image: The Redragon K648 keyboard showcasing its compact 94-key layout, robust aluminum build, and hot-swappable switch design. A detachable wrist rest and mobile device stand are also visible.

Setup

Follow these steps to set up your Redragon K648 keyboard:

1. **Unpack the Keyboard:** Carefully remove the keyboard and all accessories from the packaging. Ensure all components, including the USB cable, wrist rest, and any spare keycaps/switches, are present.
2. **Connect to Computer:** Plug the USB-C end of the provided cable into the keyboard's port and the USB-A end into an available USB port on your computer. The keyboard is wired and does not require batteries.
3. **Install Wrist Rest (Optional):** Attach the detachable wrist rest to the front edge of the keyboard if desired for enhanced ergonomic support.
4. **Position Mobile Device Stand (Optional):** Place the mobile device stand in a convenient location on your desk, near the keyboard, for easy access to your phone or tablet.

5. **Driver Installation:** The keyboard is typically plug-and-play. Your operating system should automatically detect and install the necessary drivers. If prompted, follow the on-screen instructions.



Image: The Redragon K648 keyboard set up on a desk, illustrating the placement of the detachable wrist rest and mobile device stand. Dimensions of the keyboard are also indicated.

Operating Instructions

Keyboard Layout and Functions

The Redragon K648 features a 90% layout with 94 keys, providing a compact design while retaining most standard keyboard functionalities, including a numeric keypad.

RGB Backlighting Control

The keyboard supports customizable RGB backlighting. Use the dedicated function keys or the Redragon software to adjust lighting modes, brightness, and speed.

- **Function Key Combinations:** Refer to the keyboard's keycaps for specific Fn (Function) key combinations to cycle through lighting effects, adjust brightness, or change color patterns.
- **Software Customization:** For advanced customization, including creating custom lighting profiles and macros, download and install the official Redragon software from the manufacturer's website.



Image: Detail of the Redragon K648 keyboard's wrist rest and lower section, indicating controls for macro programming, brightness adjustment, and lighting speed.

Hot-Swappable Switches

The K648 features upgraded hot-swappable sockets, allowing users to easily change mechanical switches without soldering. This supports most 3-pin and 5-pin mechanical switches.

- **Switch Removal:** Use the provided switch puller tool to carefully grip the switch and pull it straight up.
- **Switch Installation:** Align the pins of the new switch with the holes on the PCB. Gently press the switch down until it clicks into place. Ensure pins are not bent.



Image: A detailed view of the Redragon K648's hot-swappable switch mechanism, illustrating how a switch can be removed and the socket design.

Programmable Macros

Utilize the Redragon software to program macros and assign custom keybindings for enhanced productivity and gaming performance.

Noise Reduction Features

The keyboard incorporates 3mm thick EVA noise-absorbing foams to minimize typing sound, providing a quieter user experience.



Image: An exploded diagram of the Redragon K648 keyboard's internal structure, highlighting the placement of noise-absorbing foam layers for sound dampening.

Official Product Video

Your browser does not support the video tag.

Video: An official product video demonstrating the features and functionality of the Redragon K648 keyboard.

Maintenance

Proper maintenance ensures the longevity and performance of your Redragon K648 keyboard.

- **Cleaning the Keyboard:**
  - Disconnect the keyboard from your computer before cleaning.
  - Use a can of compressed air to remove dust and debris from between the keycaps.
  - Wipe the keycaps and aluminum surface with a soft, slightly damp, lint-free cloth. Avoid excessive moisture.
  - For stubborn grime, a small amount of isopropyl alcohol on a cloth can be used, but avoid direct application to the keyboard.
- **Keycap and Switch Replacement:**
  - Use the provided keycap puller to remove keycaps gently. Pull straight up to avoid damaging the switch stem.
  - If replacing switches, refer to the hot-swappable switches section under Operating Instructions.
  - Ensure replacement keycaps and switches are compatible with the K648 model.

Troubleshooting

If you encounter issues with your Redragon K648 keyboard, refer to the following common solutions:

- **Keyboard Not Responding:**
  - Ensure the USB cable is securely connected to both the keyboard and the computer.
  - Try connecting the keyboard to a different USB port on your computer.

- Test the keyboard on another computer to rule out a system-specific issue.
- Restart your computer.

- **RGB Lighting Not Working or Incorrect:**
  - Check the keyboard's function key combinations for RGB control (e.g., Fn + specific keys for modes/brightness).
  - Ensure the Redragon software is installed and up-to-date. Check software settings for lighting profiles.
  - If a specific key's LED is not working, it might indicate a faulty switch or LED.
- **Keys Not Registering or Double-Typing:**
  - Remove the keycap and switch for the affected key. Inspect the switch for any visible damage or debris.
  - Clean the switch socket with compressed air.
  - If the issue persists, replace the switch with a new one (utilizing the hot-swap feature).
- **Software Issues:**
  - Ensure you have downloaded the correct software version for your K648 model from the official Redragon website.
  - Run the software as an administrator.
  - Reinstall the software if problems persist.

Specifications

Feature	Detail
Model Number	K648
Keyboard Description	94 Keys Wired Hot-swap Aluminum Gaming Keyboard
Layout	90% (94 Keys)
Connectivity Technology	Wired (USB-C)
Switch Type	Quiet Red Switch (Hot-swappable, compatible with 3/5-pin switches)
Backlighting	RGB
Material	Aluminum
Special Features	Aluminum Board, Hot-Swap Socket, Noise Absorb Foams, Detachable Wrist Rest, Mobile Device Stand
Compatible Devices	PC
Item Weight	3.69 pounds (approx. 1.67 kg)
Package Dimensions	15.59 x 7.13 x 2.83 inches

Warranty and Support

For warranty information, technical support, or further assistance, please visit the official Redragon website or contact their customer service directly. Keep your purchase receipt for warranty claims.
Official Redragon Website: redragonshop.com

© 2023 Redragon. All rights reserved.