

JEDEL KL-90

JEDEL KL-90 Mechanical Gaming Keyboard User Manual

Model: KL-90

INTRODUCTION

Welcome to the user manual for the JEDEL KL-90 Mechanical Gaming Keyboard. This keyboard is engineered to deliver a superior gaming and typing experience through its responsive mechanical switches, customizable RGB lighting, and ergonomic design. This document provides essential information regarding the setup, operation, maintenance, and troubleshooting of your new keyboard.

PRODUCT FEATURES

- **Mechanical Switches:** Engineered for durability and responsiveness, providing tactile feedback and precise actuation for both gaming and typing.
- **Quiet Operation:** Designed with quiet mechanical switches to minimize noise during intense gaming sessions or prolonged typing.
- **Hot-Swappable Switches:** Compatible with other Redragon switches, allowing for easy customization and replacement of individual switches without soldering.
- **Durable Construction:** Switches are rated for 50 million keypresses, ensuring long-lasting performance and reliability.
- **Vibrant RGB Backlighting:** Features up to 20 preset backlighting modes. Brightness and flowing speed are adjustable directly from the keyboard, allowing for personalized aesthetics.
- **Ergonomic Design:** Crafted for comfort during extended use, reducing hand and wrist strain.
- **Wide Compatibility:** Fully compatible with PC and Laptop devices running common operating systems such as Windows 10.
- **USB Connectivity:** Simple plug-and-play connection via a standard USB interface.
- **Integrated Wrist Rest:** Includes a built-in wrist rest for enhanced comfort and support during use.



Figure 1: JEDEL KL-90 Mechanical Gaming Keyboard. This image displays the full layout of the keyboard, showcasing its vibrant RGB backlighting and the integrated wrist rest.

PACKAGE CONTENTS

Please verify that your package contains the following items:

- JEDEL KL-90 Mechanical Gaming Keyboard
- Integrated Wrist Rest
- User Manual (this document)

SETUP

1. Step 1: Unpack the Keyboard

Carefully remove the JEDEL KL-90 keyboard from its packaging. Ensure all components listed in the "Package Contents" section are present and undamaged.

2. Step 2: Connect to Your Device

Locate an available USB port on your PC or laptop. Insert the USB connector of the keyboard firmly into the USB port. The keyboard is designed for plug-and-play functionality and typically does not require additional driver installation for basic operation on compatible operating systems like Windows 10.



Figure 2: Keyboard connected via USB. This image illustrates the keyboard's USB connection and its illuminated keys, ready for use.

3. Step 3: Initial Test

Once connected, the keyboard's RGB backlighting should illuminate. Open a text editor, web browser, or any application that accepts text input and type to confirm that all keys are functioning correctly.

OPERATING INSTRUCTIONS

The JEDEL KL-90 keyboard offers standard keyboard functions along with customizable RGB lighting features.

Basic Keyboard Functions

The keyboard operates as a standard 104-key mechanical keyboard. All alphanumeric, function, and navigation keys perform their expected actions as per a conventional keyboard layout.

RGB Backlighting Control

The keyboard features vibrant RGB backlighting with multiple modes and adjustable settings for a personalized visual experience.

- **Changing Backlighting Modes:** The keyboard includes up to 20 preset backlighting modes. Use the dedicated function keys (often indicated by an "Fn" key combined with other keys like F1-F12 or specific lighting control keys) to cycle through various lighting effects. Refer to the keycap legends for specific key combinations.
- **Adjusting Brightness:** To increase or decrease the intensity of the backlighting, utilize the designated key combinations.
- **Adjusting Flowing Speed:** For dynamic lighting modes, the speed of the effect can be adjusted using specific key combinations.



Figure 3: Close-up of mechanical switches. This image provides a detailed view of the mechanical switches beneath the keycaps, highlighting their dustproof design for enhanced durability.

MAINTENANCE

Proper care and maintenance will significantly extend the lifespan and performance of your JEDEL KL-90 keyboard.

- **Cleaning the Keyboard:** Use a soft, lint-free cloth slightly dampened with water or a mild, non-abrasive cleaning solution to wipe the surface of the keyboard. Avoid applying excessive moisture. For cleaning between keycaps, use compressed air to effectively remove dust, crumbs, and other debris.
- **Keycap Removal (for advanced cleaning/switch replacement):** If you need to remove keycaps for deeper cleaning or to replace switches (leveraging the hot-swappable feature), use a keycap puller tool. Gently pull the keycap straight up to prevent damage to the switch stem. When reattaching, align the keycap correctly and press down gently until it clicks securely into place.
- **Storage:** When the keyboard is not in use for extended periods, store it in a clean, dry environment. Protect it from direct sunlight, extreme temperatures, and excessive humidity.

TROUBLESHOOTING

If you encounter any issues with your JEDEL KL-90 keyboard, please refer to the following common problems and their solutions:

Problem	Possible Cause	Solution
Keyboard is not responding	Loose USB connection; Incorrect USB port; Temporary driver issue; System error.	Ensure the USB cable is securely plugged into both the keyboard and the computer. Try connecting the keyboard to a different USB port. Restart your computer to refresh system drivers.
RGB lighting is off or not working	Lighting mode turned off; Brightness set to minimum; Software conflict.	Press the designated lighting control keys (e.g., Fn + lighting key) to cycle through modes or increase brightness. Ensure no conflicting software is running.
Certain keys are not working	Debris lodged under keycap; Faulty switch; Keycap not properly seated.	Use compressed air to clear any debris. Re-seat the keycap firmly. If hot-swappable, consider replacing the switch (refer to the Maintenance section for guidance).
Keyboard input lag	USB port issue; High system resource usage; Cable interference.	Try a different USB port, preferably a USB 3.0 port if available. Close unnecessary background applications on your computer. Ensure the USB cable is not tangled or near strong electromagnetic interference.

SPECIFICATIONS

Feature	Detail
Model	KL-90

Feature	Detail
Brand	JEDEL
Type	Mechanical Gaming Keyboard
Number of Keys	104
Connectivity	USB Wired
Compatible Devices	PC, Laptop
Operating System Compatibility	Windows 10 (and likely earlier versions)
Special Features	Ergonomic, Backlit (RGB), Hot-swappable switches
Material	Plastic
Item Weight	200 g
Package Dimensions	50.1 x 19 x 6.8 cm
Included Components	Integrated Wrist Rest

WARRANTY AND SUPPORT

For detailed warranty information or technical support, please refer to the documentation provided with your purchase or contact the retailer or manufacturer directly. It is advisable to retain your proof of purchase for any warranty claims. For further assistance or inquiries, you may visit the official JEDEL website or contact their customer service department.