Redragon K649 PRO

Redragon K649 PRO Wireless Gasket RGB Gaming Keyboard

User Manual

Introduction

This manual provides detailed instructions for the Redragon K649 PRO 78% Wireless Gasket RGB Gaming Keyboard. Please read this manual thoroughly before using the product to ensure proper operation and to maximize your experience.

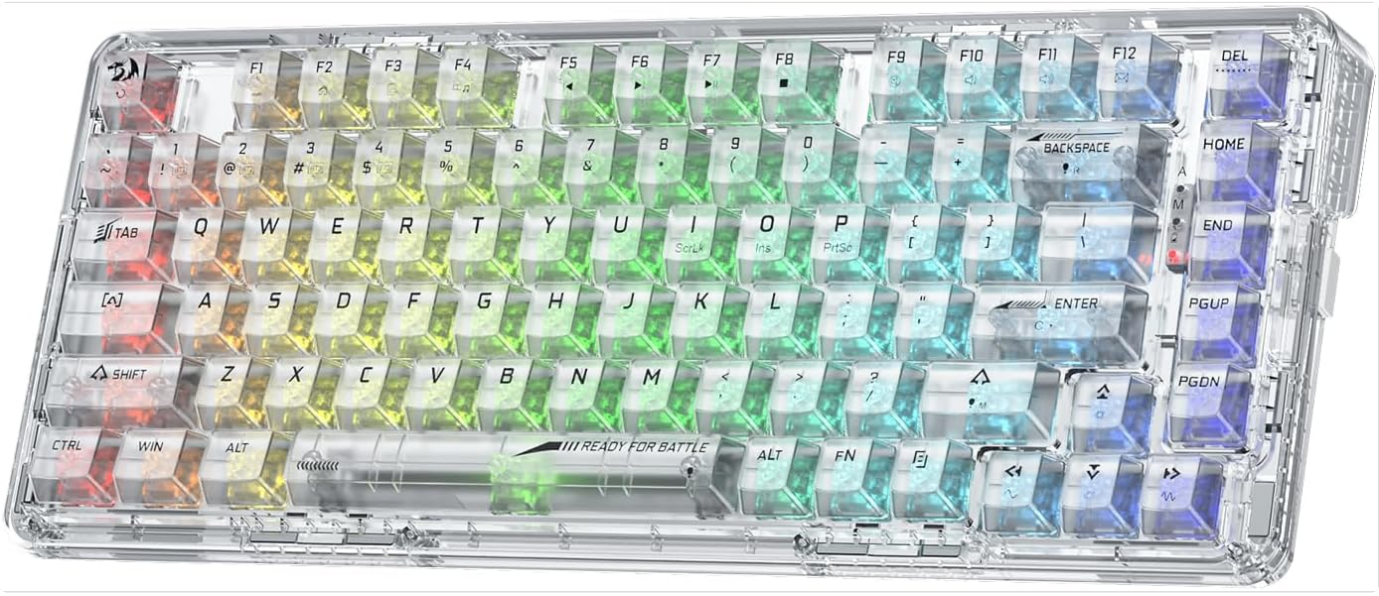


Image: The Redragon K649 PRO keyboard showcasing its transparent design and vibrant RGB backlighting.

What's in the Box

Verify that all items are present in the package:

- 1 x Redragon K649 PRO gaming keyboard
- 1 x Detachable USB Type-C Cable
- 1 x User Manual (this document)

- 4 x Translucent Custom Switches



Image: The retail box for the Redragon K649 PRO keyboard, indicating contents and key features.

Product Overview

The Redragon K649 PRO keyboard features an innovative design and advanced functionalities for an enhanced typing and gaming experience.

Gasket-Mount Design

The keyboard's body structure utilizes precision-locked covers with gaskets, differing from traditional screw fixing. This design assists with noise reduction and flexibility, providing even feedback and reducing rigid noise for a crisp, clean, and softer typing feel.



Image: Exploded view diagram showing the multi-layer dampening and TPR gasket components within the keyboard's gasket-mount design.

3-Mode Connection

The K649 PRO supports three connection modes:

- **USB-C Wired:** For a stable, lag-free connection and charging.
- **Bluetooth 3.0/5.0:** For wireless connectivity with multiple devices.
- **2.4GHz Wireless:** Utilizes a dedicated dongle for low-latency wireless performance.



Image: The keyboard connected to a laptop via USB-C, highlighting its versatile tri-mode connection capabilities.

Full-Transparent Design

The keyboard features a full-transparent design, with keycaps, switches, and the entire board made from transparent materials. This allows the RGB lighting to shine through at maximum level, creating a unique aesthetic.



Image: The Redragon K649 PRO keyboard in its transparent form, without RGB lighting, showcasing its clear components.

Noise Dampening

Equipped with five layers of noise dampening materials, including 3.5mm PO foam, IXPE switch foam, PET sound pad, bottom socket foam, and a silicone bottom pad, along with the silicone gasket. This significantly reduces hollow noise, resulting in dampened and ultra-clean typing acoustics.

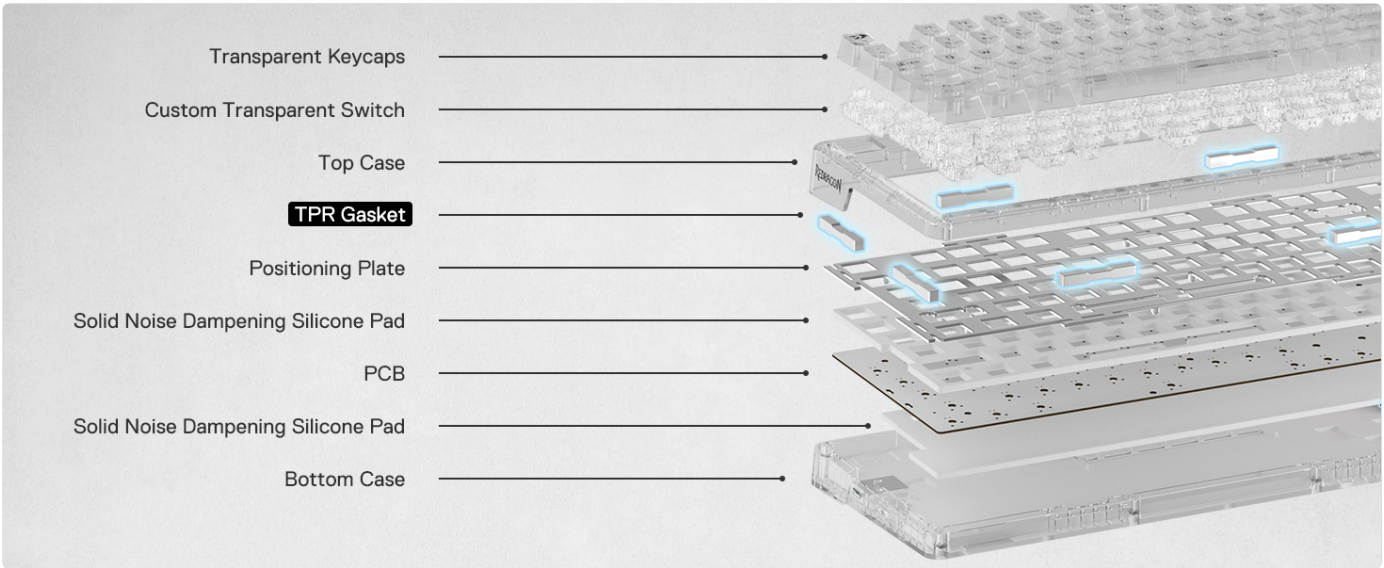


Image: An exploded view diagram detailing the various internal layers, including transparent keycaps, custom transparent switches, top case, TPR gasket, positioning plate, solid noise dampening silicone pads, PCB, and bottom case.

82 Keys Layout

The innovative 82-key layout maintains the length of a 65% layout, providing more mouse moving space by omitting the numpad. It also adds a dedicated TOP function keys zone, offering convenience without requiring FN key combinations for essential functions.



Image: The 82-key layout of the keyboard, showing the compact design while retaining essential function keys.

Upgraded Hot-Swap Socket

The K649 PRO features an upgraded hot-swappable socket compatible with nearly all 3-pin and 5-pin switches. This allows for easy and stable switch mounting, enabling users to customize their typing experience by swapping switches without soldering.

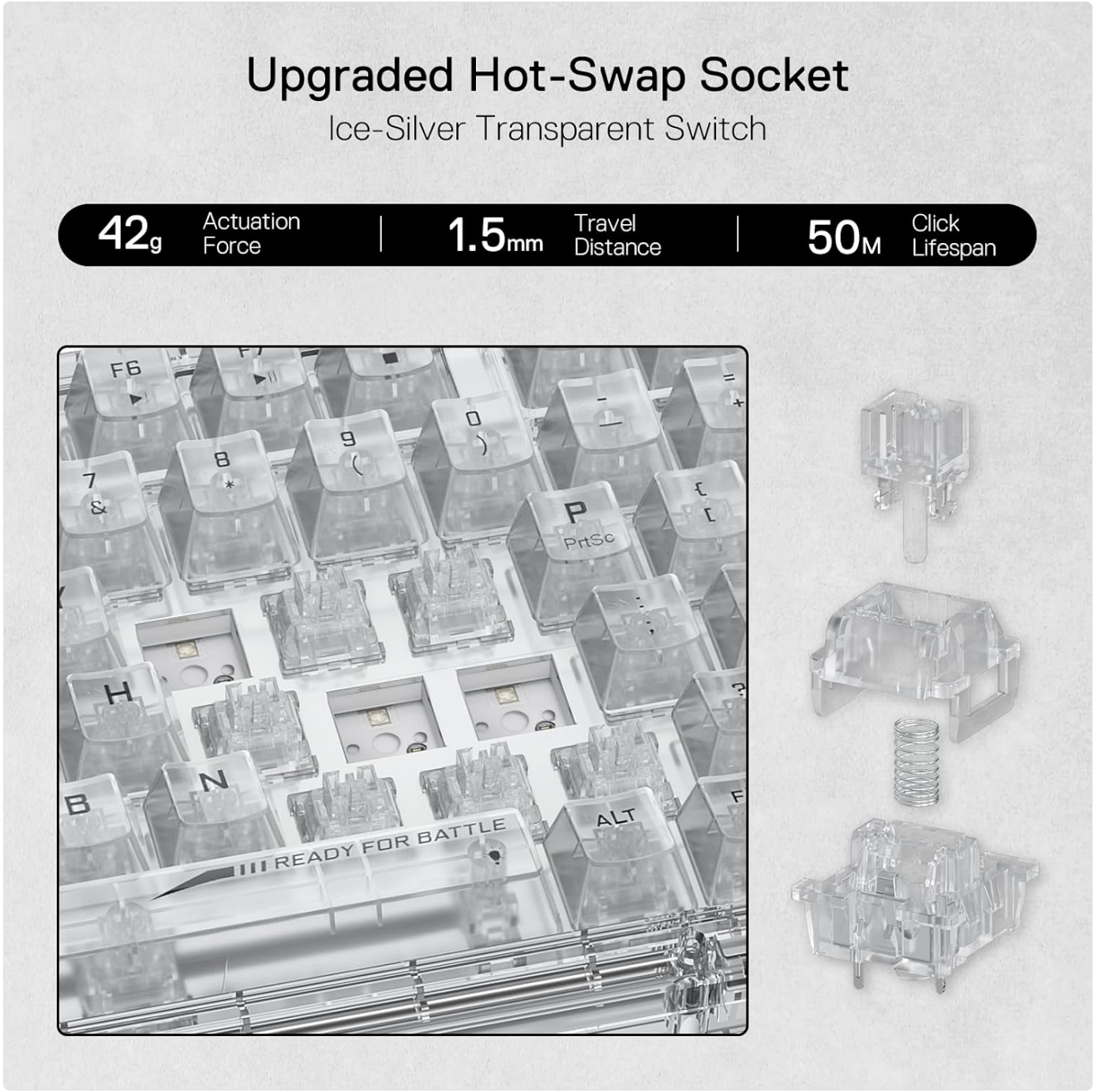


Image: Detailed view of the upgraded hot-swap socket and the individual components of an Ice-Silver Transparent Switch, including actuation force, travel distance, and click lifespan specifications.

16.8 Million Splendid RGB Backlit

The keyboard offers 16.8 million colors for its RGB backlighting, with 20 preset modes. The lighting is fully customizable through the dedicated software.



Image: A close-up view of the keyboard's transparent switches illuminated by vibrant RGB backlighting, demonstrating the customizable lighting effects.

Setup

Follow these steps to set up your Redragon K649 PRO keyboard:

1. **Unpack:** Carefully remove the keyboard and all accessories from the packaging.
2. **Choose Connection Mode:**
   - **Wired:** Connect the provided USB Type-C cable to the keyboard's port and the other end to an available USB port on your computer.
   - **2.4GHz Wireless:** Locate the 2.4GHz USB dongle (usually stored in a compartment on the keyboard). Plug the dongle into an available USB port on your computer. Ensure the keyboard's mode switch is set to 2.4G.
   - **Bluetooth:** Ensure the keyboard's mode switch is set to BT. On your device (PC, laptop, tablet), enable Bluetooth and search for new devices. Select "Redragon K649 PRO" from the list to pair.

3. **Power On:** If using wireless modes, ensure the keyboard is charged or has sufficient battery. The keyboard typically powers on automatically when connected or paired.
4. **Driver Installation (Optional):** For advanced customization and macro programming, download the official Redragon software from the Redragon website.

Operating Instructions

Switching Connection Modes

Use the physical switch located on the keyboard to toggle between Wired, 2.4GHz, and Bluetooth modes.

RGB Lighting Control

The keyboard offers various preset RGB lighting modes and brightness levels. Refer to the specific key combinations for controlling these features:

- **FN + [Key]:** Specific key combinations will cycle through lighting effects, adjust brightness, or change colors. Consult the quick start guide or software for exact key mappings.

For advanced customization, including per-key lighting and custom effects, use the Redragon Pro Software.

Software Usage

The Redragon Pro Software allows you to:

- Design custom RGB lighting modes and effects.
- Program macros for efficient work and gaming.
- Remap keybindings.

Download the software from the official Redragon website (edragonshop.com).

Maintenance

To ensure the longevity and optimal performance of your keyboard, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the keyboard. For deeper cleaning, use compressed air to remove dust and debris from between keycaps. Avoid using harsh chemicals or abrasive materials.
- **Keycap Removal:** If removing keycaps for cleaning or switch replacement, use the provided keycap puller to avoid damage. Pull straight up with gentle, even force.
- **Switch Replacement:** When replacing switches, use the provided switch puller. Ensure the new switch is aligned correctly with the hot-swap socket pins before gently pressing it into place. Do not force switches.
- **Storage:** Store the keyboard in a cool, dry place away from direct sunlight and extreme temperatures.



Image: A detailed view of the keyboard's hot-swappable switches, demonstrating the ease of removal and installation for maintenance or customization.

Troubleshooting

If you encounter issues with your Redragon K649 PRO keyboard, refer to the following common solutions:

Problem	Possible Solution
Keyboard not responding (Wired)	◦ Ensure 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.
Keyboard not connecting (2.4GHz Wireless)	◦ Ensure the 2.4GHz dongle is properly inserted into a USB port. ◦ Verify the keyboard's mode switch is set to 2.4G. ◦ Check battery level; recharge if low. ◦ Try pairing again (refer to specific pairing instructions if available in a quick start guide).
Keyboard not connecting (Bluetooth)	◦ Ensure the keyboard's mode switch is set to BT. ◦ Make sure Bluetooth is enabled on your device. ◦ Remove the keyboard from your device's paired Bluetooth list and attempt to re-pair. ◦ Check battery level; recharge if low.
RGB lighting not working or stuck	◦ Try cycling through lighting modes using FN key combinations. ◦ Ensure the keyboard is not in a low-power mode (if applicable). ◦ Restart the keyboard (power off/on). ◦ Reinstall the Redragon Pro Software and update firmware if available.

Problem	Possible Solution
Keys not registering or double-typing	◦ Clean under the affected keycap with compressed air. ◦ If hot-swappable, try reseating the switch or replacing it with one of the spare switches provided. ◦ Ensure the keyboard's firmware is up to date.

Specifications

Feature	Detail
Model Number	K649 PRO
Connectivity Technology	2.4Ghz, Bluetooth (BT 3.0/5.0), USB-C Wired
Keyboard Description	82 Keys Wireless Gasket Gaming Keyboard
Special Features	3-Mode Gasket, 82 Keys Layout, Transparent Style, Hot-Swap Socket, Noise Dampening (5 layers)
Keyboard Backlighting	RGB (16.8 Million Colors, 20 Preset Modes)
Compatible Devices	PC, Laptop, Tablet
Product Dimensions	13.19 x 5.51 x 1.45 inches
Item Weight	2.84 pounds
Batteries	1 Lithium Polymer battery (included)
Material	Silicone (for dampening), Transparent materials for body/keycaps/switches

Warranty and Support

For warranty information and technical support, please visit the official Redragon website or contact their customer service. You can also refer to the official user manual PDF for additional details:

Download Official User Manual (PDF)

For further assistance, visit the Redragon Store on Amazon:Redragon Amazon Store

Ask a question about this manual

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question