Redragon K687 PRO

Redragon K687 PRO Wireless CNC Gasket Gaming Keyboard User Manual

Model: K687 PRO | Brand: Redragon

1. Introduction

This manual provides detailed instructions for the Redragon K687 PRO Wireless CNC Gasket Gaming Keyboard. This 81-key mechanical keyboard features a premium CNC aluminum board, an easy-control knob, 5-layer noise dampening, custom linear switches, and PBT gradient keycaps. It supports three connection modes: USB-C wired, Bluetooth 3.0/5.0, and 2.4Ghz wireless.



Image 1: Redragon K687 PRO Wireless CNC Gasket Gaming Keyboard, showcasing its compact 81-key layout and RGB backlighting.

2. Package Contents

Verify that all items are present in your package:

- Redragon K687 PRO Wireless CNC Gasket Gaming Keyboard
- USB Cable (USB-C to USB-A)
- Keycap/Switch Puller
- Spare Switches (4 pieces)
- User Manual (this document)

3. Setup

Follow these steps for initial setup:

1. **Charging:** Connect the provided USB-C cable to the keyboard's USB-C port and the other end to a powered USB-A port on your computer or a wall adapter. The keyboard will begin charging.
2. **Connectivity Mode Selection:** Locate the 3-mode switch on the top-right side of the keyboard. Slide it to select your preferred connection method:
    - **2.4Ghz Wireless:** Insert the 2.4Ghz USB dongle (located in a compartment on the keyboard) into an available USB port on your computer.
    - **Bluetooth (BT):** Switch to BT mode. The keyboard will enter pairing mode. Search for 'Redragon K687 PRO' on your device's Bluetooth settings and connect.
    - **USB-C Wired:** Connect the USB-C cable directly to your computer.
3. **Operating System Switch:** Use the 'WIN | MAC' switch on the top-right side to select the appropriate operating system mode for optimal key functionality.



Image 2: Rear view of the Redragon K687 PRO, highlighting the 3-mode connection switch, Win/Mac toggle, USB-C port, and the integrated USB dongle storage.

4. Operating Instructions

The Redragon K687 PRO is designed for intuitive use with its compact layout and dedicated controls.

4.1 Key Layout and Functions

The 81-key layout provides essential keys while maintaining a compact form factor. Standard alphanumeric keys, function keys (F1-F12), and navigation keys are included. Refer to the keyboard's keycap legends for specific secondary functions accessible via the 'Fn' key.

4.2 Easy-Control Knob

The multi-function knob located on the top-right corner allows for quick adjustments:

- **Rotate:** Adjusts volume (default) or backlight brightness.

- **Press:** Mutes/unmutes audio (short press) or switches between volume/brightness control (long press for 3 seconds).
- **Switch RGB Mode:** A short press can also cycle through various RGB lighting effects.



Image 3: Close-up of the easy-control knob on the Redragon K687 PRO, illustrating its functions for backlight, volume, and RGB mode switching.

4.3 Gasket Design and Noise Dampening

The keyboard features a GASKET design with a 5-layer noise dampening system, including 3.5mm PO foam, IXPE switch foam, PET sound pad, bottom socket foam, and a silicone bottom pad. This construction provides a softer, more consistent typing feel and significantly reduces hollow sounds, resulting in a crisp and clean acoustic experience.



Image 4: Exploded view diagram detailing the fully loaded gasket structure and 5-layer noise dampening components of the Redragon K687 PRO.

4.4 Custom Linear Switches and Keycaps

The K687 PRO is equipped with thick-lubed custom linear switches, offering fast, creamy, and elastic typing feedback. The switches are hot-swappable, allowing users to easily replace them with other 3-pin or 5-pin compatible switches. The PBT gradient keycaps feature a durable, side-printed design for enhanced aesthetics and longevity.



Image 5: Detailed view of the gradient side-printed keycaps and custom linear switches with south-facing LEDs on the Redragon K687 PRO.

5. Customization (Pro Software)

Unlock the full potential of your Redragon K687 PRO keyboard with the dedicated Pro Software. This software allows for extensive customization of key assignments, RGB lighting, and macro creation.

5.1 Key Assignment

Remap any key on the keyboard to suit your preferences. Assign new functions, multimedia controls, or custom commands to individual keys.

5.2 RGB Backlight Customization

Choose from a variety of preset lighting effects, adjust brightness and speed, or create your own custom RGB patterns. The software provides granular control over individual key lighting and side RGB lighting bars.

5.3 Macro Editing

Create and edit complex macros to automate sequences of keystrokes. Assign these macros to any key for efficient work or gaming. The software allows for recording and fine-tuning macro delays.

The Pro Software can be downloaded from the official Redragon website.



Image 6: Screenshot of the Redragon K687 PRO software, illustrating options for macro editing, RGB backlight control, and key redefinition.

6. Maintenance

To ensure the longevity and optimal performance of your Redragon K687 PRO keyboard, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the keyboard with a soft, dry cloth. For deeper cleaning, use the provided keycap puller to remove keycaps and clean underneath with compressed air or a small brush.
- **Switch Care:** If a switch needs replacement, use the provided switch puller to carefully remove the old switch and insert a new one. Ensure proper alignment to avoid damaging the pins.

- **Storage:** When not in use, store the keyboard in a clean, dry environment away from direct sunlight and extreme temperatures.

7. Troubleshooting

If you encounter issues with your Redragon K687 PRO keyboard, refer to the following common solutions:

- **Keyboard Not Responding:** Check the connection mode switch (2.4G/BT/Wired) and ensure it matches your connection method. For wireless modes, verify the USB dongle is properly inserted or Bluetooth is paired. Ensure the keyboard is charged.
- **Keys Not Working:** If specific keys are unresponsive, try hot-swapping the switch for that key with one of the spare switches provided. Ensure the switch is fully seated.
- **RGB Lighting Issues:** Use the control knob or the Pro Software to adjust brightness, speed, and lighting effects. Ensure the software is up-to-date.
- **Connectivity Problems:** For 2.4Ghz, try a different USB port. For Bluetooth, unpair and re-pair the device. Ensure no other wireless devices are causing interference.
- **Software Not Detecting Keyboard:** Ensure the keyboard is connected via USB-C wired mode when using the software for the first time. Update the software to the latest version from the Redragon website.

8. Specifications

Brand	Redragon
Model Number	K687
Connectivity Technology	2.4Ghz, BT (Bluetooth 3.0/5.0), USB-C
Keyboard Description	81 Keys Wireless Gasket Gaming Keyboard
Compatible Devices	PC, Laptop, Tablet
Special Features	3-Mode Tech, 81 Keys Gasket Design, CNC Aluminum, Custom Switch, Dedicated Knob
Keyboard Backlighting	RGB
Material	CNC Aluminum
Item Weight	4.37 pounds
Batteries	1 Lithium Polymer battery required

9. Warranty and Support

For warranty information and technical support, please refer to the documentation included with your product or visit the official Redragon website. You may also contact the seller, Redragon Shop, for assistance.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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