Redragon K686 PRO

Redragon K686 PRO 98 Keys Wireless Gasket RGB Gaming Keyboard User Manual

Model: K686 PRO | Brand: Redragon

Introduction

This manual provides detailed instructions for the Redragon K686 PRO 98 Keys Wireless Gasket RGB Gaming Keyboard. It covers setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your device. The K686 PRO features a gasket design, tri-mode connectivity (USB-C wired, BT 3.0/5.0 & 2.4Ghz wireless), upgraded hot-swap sockets, 5-layer noise dampening, and a tactical 98-key layout with a dedicated knob control.

What's in the Box

- Redragon K686 PRO Keyboard
- USB Cable
- Keycap/Switch Puller
- Spare Switches



The Redragon K686 PRO keyboard shown with its standard accessories, including the USB cable, keycap/switch puller, and spare switches.

Key Features

- **GASKET Design:** The keyboard's body structure utilizes precision-locked covers with gaskets to reduce noise and enhance flexibility, providing a softer typing feel.
- **3-Mode Connection:** Supports USB-C wired, Bluetooth 3.0/5.0, and 2.4Ghz wireless modes for versatile connectivity.
- **UPGRADED HOT-SWAP:** Features hot-swappable sockets compatible with nearly all 3/5-pin switches, allowing for easy customization.
- **Noise Dampening x 5:** Equipped with multiple layers of noise-dampening materials (3.5mm PO foam, IXPE switch foam, PET sound pad, bottom socket foam, silicone bottom pad, silicone gasket) for quiet and clean typing acoustics.
- **Tactical 98 Keys:** An innovative layout that retains full 100% layout functionality in a 20% smaller, more compact form factor.
- **ONE-Knob Control:** A convenient knob for easy adjustment of keyboard backlight brightness and media controls (volume, play/pause, switch).
- **Pro Software Supported:** Allows for custom mode and effect design, keybinding macros, and shortcuts for enhanced efficiency.



An overview of the Redragon K686 PRO's primary features, highlighting its design, connectivity, and customization options.



Detailed internal structure of the keyboard, illustrating the multiple layers of noise dampening and the gasket mounting system.

Setup and Connectivity

Tri-Mode Connection

The Redragon K686 PRO supports three connection modes: wired USB-C, Bluetooth (BT 3.0/5.0), and 2.4Ghz wireless. A switch on the left side of the keyboard allows you to select your preferred mode.



The keyboard demonstrating its versatile connectivity options, including wired USB-C, 2.4G wireless, and Bluetooth.

Bluetooth Connection

1. Slide the connection switch on the left side of the keyboard to 'BT'.
2. Press and hold **FN + Q/W/E** to pair with up to three different devices. The indicator light will flash, indicating pairing mode.
3. On your device (PC, laptop, tablet), search for Bluetooth devices and select "BT5.0 Keyboard" to connect. The light will stop flashing once connected.

2.4Ghz Wireless Connection

1. Slide the connection switch on the left side of the keyboard to '2.4G'.
2. Insert the 2.4Ghz USB receiver into an available USB port on your computer.
3. The keyboard will automatically connect. The receiver can be stored in a dedicated compartment on the right side of the keyboard when not in use.

Wired USB-C Connection

1. Slide the connection switch on the left side of the keyboard to 'OFF'.

2. Connect the provided USB-C cable to the keyboard's USB-C port and the other end to your computer.
3. The keyboard will function in wired mode and charge simultaneously.

Operating System Compatibility

The keyboard features a dedicated switch to toggle between Mac and Windows layouts, ensuring full compatibility and optimized key functions for both operating systems.



The Mac/Win switch on the keyboard, allowing seamless transition between different operating system layouts.

Operating Instructions

Knob Control

The multi-function knob located on the top right of the keyboard provides quick access to media and lighting controls:

- Turn the knob left or right to adjust the system volume.
- Press the knob to mute or unmute audio.
- The knob can also control backlight brightness and switch media tracks, depending on software configuration.

RGB Backlighting

The K686 PRO features vibrant RGB backlighting with multiple effects and customization options via the Redragon software.

- Press **FN + INS** to cycle through various RGB lighting effects.
- Press **FN + PGUP** to cycle through single color modes.
- Press **FN +** ↓ to decrease backlight brightness.
- Press **FN +** ↑ to increase backlight brightness.
- Press **FN +** ← to decrease lighting effect speed.
- Press **FN +** → to increase lighting effect speed.

Battery Status Check

You can check the approximate battery level by pressing **FN + DELETE**. The indicator lights above the number pad will illuminate to show the charge level:

- 30% charge: 1-3 lights illuminated.
- 50% charge: 1-5 lights illuminated.
- 100% charge: 1-9 lights illuminated.



Visual representation of how to check the keyboard's battery level using the FN + DELETE key combination.

Maintenance

Cleaning the Keyboard

To clean your keyboard, use a soft, lint-free cloth. For deeper cleaning, you may use the provided keycap puller to remove keycaps and clean underneath. Avoid using harsh chemicals or abrasive materials.

Hot-Swappable Switches

The K686 PRO features hot-swappable sockets, allowing you to easily change switches without soldering. Use the provided switch puller to carefully remove existing switches and insert new 3-pin or 5-pin compatible switches.



Illustration of the hot-swappable switch feature, demonstrating how switches can be easily removed and replaced.

Troubleshooting

- **Keyboard not responding:** Ensure the keyboard is charged. Check the connection mode switch (wired, BT, 2.4Ghz) is set correctly. For wired mode, try a different USB port or cable. For wireless modes, ensure the receiver is properly inserted or Bluetooth is paired.
- **Connectivity issues:** If using 2.4Ghz, ensure the receiver is close to the keyboard and there are no major obstructions. For Bluetooth, try re-pairing the device. Avoid interference from other wireless devices.
- **RGB lights not working:** Check the brightness settings using **FN +** ↑. Ensure the keyboard is not in a power-saving mode.
- **Keys not registering:** If specific keys are not working, try removing and re-inserting the switch for that key. If the issue persists, replace the switch with a spare one.
- **Software not detecting keyboard:** Ensure the keyboard is connected via wired mode when attempting to use the software. Download the latest software version from the official Redragon website.

Specifications

Attribute	Detail
Brand	Redragon
Model	K686 PRO
Connectivity Technology	2.4Ghz, BT (Bluetooth 3.0/5.0), USB-C (Wired)
Keyboard Description	98 Keys Wireless Gasket Gaming Keyboard
Number of Keys	98
Keyboard Backlighting	RGB
Special Features	Gasket Design, Knob Control, 5-Layer Noise Dampening, Hot-Swappable
Operating System	Windows, Mac OS
Item Weight	2.38 pounds
Power Source	USB-C (Rechargeable Lithium Polymer battery included)



The Redragon K686 PRO in a typical usage scenario, showcasing its design and compact footprint.

Warranty and Support

For warranty information and technical support, please refer to the official Redragon website or contact their customer service. Keep your purchase receipt for warranty claims.
You can also find additional resources and software downloads on the Redragon Store on Amazon.