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Redragon K709

Redragon K709 PRO 65% Wireless Gasket RGB Gaming Keyboard User Manual

Model: K709

Brand: Redragon

INTRODUCTION

The Redragon K709 PRO is a compact 65% wireless gaming keyboard designed for enhanced typing comfort and performance. Featuring a gasket-mounted structure and 5-layer noise dampening, it provides a soft, quiet, and responsive typing experience. This keyboard supports tri-mode connectivity (USB-C wired, Bluetooth, and 2.4GHz wireless) and is equipped with hot-swappable Mint Mambo linear switches and durable PBT keycaps. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your K709 PRO keyboard.



Image: The Redragon K709 PRO keyboard, showcasing its compact 65% layout and vibrant RGB backlighting with pink, blue, and white keycaps.

SETUP

Package Contents

- Redragon K709 PRO Gaming Keyboard
- USB-C Cable
- 2.4GHz Wireless Dongle

- Keycap Puller
- Switch Puller

Connecting the Keyboard

The K709 PRO supports three connection modes:

1. **USB-C Wired Connection:**

Connect the provided USB-C cable to the keyboard's port and the other end to an available USB port on your computer. The keyboard will be automatically recognized and ready for use.

2. **2.4GHz Wireless Connection:**

Insert the 2.4GHz wireless dongle into a USB port on your computer. Turn on the keyboard using the switch located on the back or side. The keyboard should automatically pair with the dongle. If not, press and hold the designated function key combination (refer to the keyboard layout) to initiate pairing mode.

3. **Bluetooth Connection:**

Ensure Bluetooth is enabled on your device (computer, tablet, etc.). Turn on the keyboard and switch it to Bluetooth mode (usually indicated by a specific LED). Press and hold the designated Bluetooth pairing key combination (e.g., Fn + 1/2/3) until the indicator light flashes, signifying pairing mode. Select "Redragon K709 PRO" from your device's Bluetooth settings to connect.

TRI-MODE HASSLELESS CONNECTION

FLEXIBILITY AT YOUR FINGERTIPS



Image: The Redragon K709 PRO keyboard demonstrating its tri-mode connection capability, shown connected to a laptop, tablet, and desktop setup.

OPERATING INSTRUCTIONS

Key Functions and Layout

The K709 PRO features a 65% layout with 68 keys, optimizing space while retaining essential functions. Many keys have secondary functions accessible via the **Fn** key.

- **Fn + F1-F12:** Multimedia controls (specific functions may vary, refer to keycap legends).
- **Fn + Backspace:** Delete function.
- **Fn + P:** Print Screen.
- **Fn + [:** Home.
- **Fn +]:** End.
- **Fn + ;:** Page Up.
- **Fn + `:** Page Down.

MAINTENANCE

Cleaning the Keyboard

- Disconnect the keyboard from your computer before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe the keycaps and chassis.
- For dust and debris between keycaps, use compressed air.
- Avoid using harsh chemicals, abrasives, or solvents, as these can damage the keyboard's finish or keycap legends.

Hot-Swapping Switches

The K709 PRO features hot-swappable sockets, allowing you to change switches without soldering. This keyboard is compatible with most 3-pin and 5-pin mechanical switches.

1. **Removing Keycaps:** Use the provided keycap puller to gently remove the desired keycap by pulling straight up.
2. **Removing Switches:** Use the provided switch puller. Align the prongs of the puller with the two clips on the top and bottom of the switch. Squeeze the clips and gently pull the switch straight up.
3. **Installing New Switches:** Ensure the pins on the new switch are straight. Align the switch with the hot-swap socket on the PCB. Gently push the switch down until it clicks into place. Do not force it, as bent pins can damage the socket.
4. **Reinstalling Keycaps:** Place the keycap over the switch stem and press down firmly until it is seated.



Image: A close-up view of the Redragon K709 PRO's hot-swappable sockets, showing switches removed and ready for replacement.



Image: A hand demonstrating the process of installing a new switch into the hot-swappable socket of the Redragon K709 PRO keyboard.

TROUBLESHOOTING

Problem	Possible Solution
Keyboard not responding (Wired)	<ul style="list-style-type: none"> ◦ 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.
Wireless connection issues (2.4GHz/Bluetooth)	<ul style="list-style-type: none"> ◦ Ensure the keyboard is in the correct wireless mode (2.4GHz or Bluetooth). ◦ For 2.4GHz, ensure the dongle is securely plugged in and close to the keyboard. ◦ For Bluetooth, ensure Bluetooth is enabled on your device and re-initiate pairing mode on the keyboard. ◦ Check keyboard battery level. ◦ Avoid sources of interference (e.g., other wireless devices, large metal objects).
Backlight not working or stuck	<ul style="list-style-type: none"> ◦ Adjust brightness using Fn + Up/Down Arrow keys. ◦ Cycle through backlight modes using Fn + < (or ,). ◦ Ensure the keyboard is not in a mode where backlighting is intentionally off. ◦ If using software, check lighting settings.

Problem	Possible Solution
Keys not registering or double-typing	<ul style="list-style-type: none"> ◦ Ensure the switch is fully seated in its socket. Gently press down on the keycap. ◦ Try hot-swapping the problematic switch with a known working one to diagnose if the issue is with the switch or the socket. ◦ Clean around the switch stem for any debris.
Software not detecting keyboard	<ul style="list-style-type: none"> ◦ Ensure the keyboard is connected via USB-C wired mode when using the software. ◦ Restart the software and/or your computer. ◦ Reinstall the software from the official Redragon website.

SPECIFICATIONS

Feature	Detail
Model	K709 PRO
Layout	65% (68 Keys)
Connection Modes	USB-C Wired, Bluetooth (BT 3.0/5.0), 2.4GHz Wireless
Switch Type	Custom Mint Mambo Linear Switches (Hot-Swappable 3/5 Pin)
Keycaps	Round PBT Keycaps, Shine-Through, Frosted Granular Feel
Mounting Style	Gasket Mount
Noise Dampening	5-Layer (3.5mm PO foam, IXPE switch foam, PET sound pad, bottom socket foam, silicone bottom pad, silicone gasket)
Backlighting	RGB (20+ modes, customizable via software)
Battery Capacity	2500mAh
Dimensions	13.23 x 4.69 x 1.57 inches
Weight	1.39 pounds
Compatible OS	Windows, macOS (via software)

NOISE DAMPENING LAYER x 5

PLEASANT, UNFORGETTABLE SOUND

Top Case

TPR Gasket

PC Slotting Positioning Board

3.5mm PO Foam

IXPE Switch Foam

PET Sound Pad

Stand-Alone Slotting PCB

Bottom Socket Foam

Silicone Dampener

Bottom Case

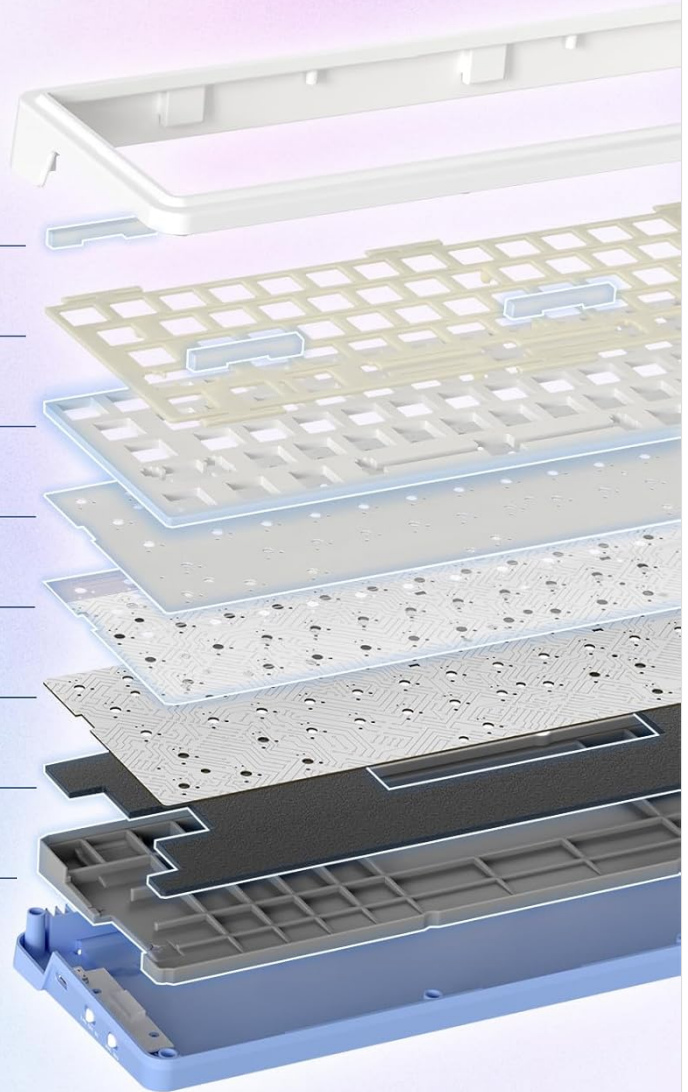


Image: An exploded diagram illustrating the five layers of noise dampening materials within the Redragon K709 PRO keyboard, including the top case, gasket, PC board, foams, and silicone dampener.

CUSTOM MINT MAMBO SWITCH

SILKY SMOOTH LINEAR TRAVEL

- Actuation Travel
2.0±0.5 mm
- Actuation Force
40±10 gf
- Total Travel
3.60 mm



Image: Detailed specifications for the Custom Mint Mambo Switch, including actuation travel (2.0±0.5 mm), actuation force (40±10 gf), and total travel (3.60 mm).

WARRANTY AND SUPPORT

Redragon products typically come with a standard manufacturer's warranty. Please refer to the warranty card included with your product or visit the official Redragon website for detailed warranty terms and conditions.

For technical support, troubleshooting assistance, or to download the latest software and drivers, please visit the Redragon official support page. You may also find a comprehensive user manual in PDF format on the product's Amazon listing or the Redragon support site.

Official User Manual (PDF): [Download Here](#)

