Redragon K596 PRO

Redragon K596 PRO RGB Mechanical Gaming Keyboard User Manual

Model: K596 PRO | Brand: Redragon

1. Product Overview

The Redragon K596 PRO is a versatile RGB mechanical gaming keyboard designed for performance and convenience. It features advanced tri-mode connectivity, allowing seamless switching between USB-C wired, 2.4GHz wireless, and Bluetooth 3.0/5.0 modes. With its compact TKL (Tenkeyless) design, dedicated macro keys, and hot-swappable switches, the K596 PRO offers a customizable and efficient experience for both gaming and everyday use. The included ergonomic wrist rest enhances comfort during extended sessions.



Image: Redragon K596 PRO RGB Mechanical Gaming Keyboard with RGB lighting.

2. Key Features

- **Tri-Mode Connection:** Supports USB-C wired, Bluetooth 3.0/5.0, and 2.4GHz wireless modes for ultimate flexibility.
- **Dedicated Macro Keys:** Features 10 onboard programmable macro keys (5 on the left, 5 on top) for custom keybinds and shortcuts.
- **Hot-Swappable Sockets:** Compatible with both 3-pin and 5-pin mechanical switches, allowing for easy switch replacement and customization.
- **Ergonomic Wrist Rest:** Detachable magnetic wrist rest provides comfort and support during long periods of use.
- **On-Board Media Control:** Includes a volume/brightness scroll bar and dedicated media keys for convenient audio and lighting adjustments.
- **Immersive RGB Backlight:** Customizable RGB lighting with various modes and effects.
- **Wide Compatibility:** Fully supported on both Windows and macOS operating systems.



Image: Illustration of the keyboard's tri-mode connectivity options, including wired USB-C, 2.4GHz wireless dongle, and Bluetooth.



Image: Close-up view of the dedicated G1-G5 macro keys on the left side of the keyboard.



Image: A mechanical switch being removed from the hot-swappable socket on the keyboard, demonstrating the ease of customization.



Image: Diagram highlighting the onboard macro keys, volume/brightness scroll bar, dedicated media controls, Type-C cable port, and detachable wrist rest.



Image: The Redragon K596 PRO keyboard positioned between two laptops, illustrating its compatibility with both Windows and macOS systems.

3. Setup Guide

3.1. Package Contents

- Redragon K596 PRO Mechanical Gaming Keyboard
- Detachable Wrist Rest
- USB-C Cable
- 2.4GHz Wireless Dongle (located in the keyboard's storage slot)
- Keycap Puller
- Switch Puller

- User Manual

3.2. Connecting Your Keyboard

Wired Mode (USB-C)

1. Connect the USB-C end of the cable to the keyboard's USB-C port.
2. Connect the USB-A end of the cable to an available USB port on your computer.
3. The keyboard will automatically be recognized and ready for use.

2.4GHz Wireless Mode

1. Locate the 2.4GHz wireless dongle, usually stored in a compartment on the keyboard.
2. Plug the dongle into an available USB port on your computer.
3. Ensure the keyboard's mode switch (if present) is set to 2.4G.
4. The keyboard should connect automatically. If not, press Fn + 4 (2.4G) to activate 2.4GHz pairing mode.

Bluetooth Mode

1. Ensure your computer's Bluetooth is enabled.
2. On the keyboard, press Fn + 1 (BT1), Fn + 2 (BT2), or Fn + 3 (BT3) to select a Bluetooth channel. The corresponding key will flash rapidly, indicating pairing mode.
3. On your computer, go to Bluetooth settings and search for new devices.
4. Select "Redragon K596 PRO" (or similar name) from the list of available devices to pair.
5. Once paired, the key will stop flashing and remain lit. You can store up to three Bluetooth devices.

3.3. Attaching the Wrist Rest

Align the magnetic connectors on the detachable wrist rest with the corresponding points on the front edge of the keyboard. The magnets will snap the wrist rest into place.

4. Operating Instructions

4.1. Basic Key Functions

The Redragon K596 PRO functions as a standard TKL keyboard. All alphanumeric, symbol, and navigation keys operate as expected.

4.2. RGB Lighting Control

The keyboard offers various pre-set RGB lighting modes and customization options. Use the following key combinations:

- **Fn + Ins:** Cycle through different lighting effects.
- **Fn + Home:** Change lighting color (for certain modes).
- **Fn + PgUp:** Increase lighting brightness.
- **Fn + PgDn:** Decrease lighting brightness.
- **Fn + Del:** Adjust lighting speed.
- **Fn + End:** Change lighting direction.



Image: The Redragon K596 PRO keyboard showcasing its vibrant RGB backlight from the side.

4.3. Macro Programming (G-Keys)

The K596 PRO features 10 programmable macro keys (G1-G5 on the left, M1-M4 and MR on top). Macros can be recorded on-the-fly without software or through the dedicated Redragon software.

On-the-Fly Macro Recording:

1. Press the **MR** key (Macro Record). The MR indicator will flash.
2. Press the desired **G-key** (G1-G5 or M1-M4) where you want to save the macro. The MR indicator will flash slowly.
3. Type the sequence of keys you wish to record.
4. Press **MR** again to save the macro. The MR indicator will turn off.

To use a recorded macro, simply press the assigned G-key.



Image: Close-up of the G1-G5 macro keys on the Redragon K596 PRO, highlighting their function for on-the-fly macro creation.

4.4. Media Control

- **Volume Roller:** Rotate the roller on the top right to adjust system volume.
- **Dedicated Media Keys:** Use the keys next to the volume roller for Play/Pause, Stop, Previous Track, and Next Track.

4.5. Windows Key Lock

Press **Fn + Windows key** to lock or unlock the Windows key, preventing accidental presses during gaming.

5. Maintenance

5.1. 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 down the keycaps and chassis.
- For dust and debris between keys, use compressed air.
- Avoid using harsh chemicals or abrasive materials.

5.2. Replacing Switches

The K596 PRO features hot-swappable sockets, allowing you to easily replace individual switches without soldering.

1. Using the provided switch puller, gently grip the switch from the top and bottom.
2. Pull the switch straight up to remove it from the socket.
3. Align the pins of the new switch with the holes in the PCB.
4. Gently push the new switch straight down until it clicks into place. Ensure the pins are not bent.



Image: Close-up view of several Redragon Red mechanical switches, highlighting their linear and responsive nature.

6. Troubleshooting

6.1. Keyboard Not Responding

- **Wired Mode:** Ensure the USB-C cable is securely connected to both the keyboard and the computer. Try a different USB port or cable.
- **2.4GHz Wireless Mode:** Ensure the dongle is properly inserted into a USB port. Check if the keyboard is set to 2.4G mode. Re-pair by pressing Fn + 4.
- **Bluetooth Mode:** Ensure Bluetooth is enabled on your device. Check if the keyboard is paired to the correct channel (Fn + 1/2/3). Try re-pairing the device.
- **Battery:** Ensure the keyboard has sufficient charge. Connect the USB-C cable to charge.

6.2. RGB Lighting Not Working Correctly

- Check brightness settings (Fn + PgUp/PgDn).
- Cycle through different lighting modes (Fn + Ins).
- Ensure no software conflicts are present. Try resetting the keyboard (refer to software manual if applicable).

6.3. Macro Keys Not Functioning

- Ensure macros were recorded correctly. Repeat the recording process.
- Check for any software that might be overriding keyboard functions.

7. Specifications

Feature	Detail
Model Number	K596 PRO
Connectivity	BT 5.0, 2.4Ghz Wireless, USB-C
Keyboard Description	80% TKL Wireless Gaming Keyboard
Number of Keys	92
Switches	Red Mechanical Switches (Hot-Swappable)
Backlighting	RGB
Product Dimensions	17.72 x 1.97 x 6.69 inches
Item Weight	2.87 pounds

Battery	1 Lithium Polymer battery (included)
Compatible Devices	PC/Laptop

8. Warranty and Support

For warranty information, technical support, and driver downloads, please visit the official Redragon website. Keep your purchase receipt for warranty claims.

Redragon Official Website: www.redragonzone.com

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