Redragon K530 PRO

Redragon K530 Pro Draconic 60% Wireless RGB Mechanical Keyboard User Manual

Model: K530 PRO

1. Introduction

This manual provides detailed instructions for the Redragon K530 Pro Draconic 60% Wireless RGB Mechanical Keyboard. It covers setup, operation, maintenance, and troubleshooting to ensure optimal performance and user experience. The K530 Pro features a compact 60% layout, 3-mode connectivity (wired, 2.4GHz wireless, Bluetooth), and hot-swappable mechanical switches.



Image 1.1: Redragon K530 Pro Draconic Keyboard. This image displays the compact 60% layout of the keyboard with RGB backlighting active.

2. Package Contents

Verify that all items are present in the package:

- Redragon K530 Pro Draconic 60% Wireless RGB Mechanical Keyboard
- USB-C to USB-A Cable

- 2.4GHz Wireless Receiver
- Keycap Puller
- Switch Puller
- Spare Mechanical Switches (various types)
- User Manual (this document)



Image 2.1: USB-C to USB-A Cable. This image shows the included USB cable for wired connection and charging.

3. Setup and Connection

The Redragon K530 Pro supports three connection modes: wired USB-C, 2.4GHz wireless, and Bluetooth. Use the switch on the side of the keyboard to select your desired mode.



Image 3.1: 3-Mode Connection Diagram. This diagram illustrates the three connectivity options: 2.4GHz wireless, Bluetooth, and wired USB-C, and how they connect to various devices.

3.1. Wired Connection

1. Connect the USB-C end of the provided cable to the keyboard.
2. Connect the USB-A end of the cable to an available USB port on your computer.
3. Ensure the mode switch on the keyboard is set to the wired (USB) position.
4. The keyboard will be automatically recognized by your operating system.

3.2. 2.4GHz Wireless Connection

1. Locate the 2.4GHz wireless receiver (dongle) in the package.
2. Plug the 2.4GHz receiver into an available USB port on your computer.
3. Set the mode switch on the keyboard to the 2.4GHz wireless position. The keyboard will automatically connect to the receiver.

3.3. Bluetooth Connection

The keyboard supports Bluetooth 3.0/5.0 and can store up to two Bluetooth device profiles (BT1 and BT2).

1. Set the mode switch on the keyboard to either BT1 or BT2.
2. On your computer or device, enable Bluetooth and search for new devices.
3. The keyboard will appear as "Redragon K530 Pro" or similar. Select it to pair.
4. If prompted, enter the pairing code displayed on your screen.
5. To switch between paired Bluetooth devices, use the mode switch to select BT1 or BT2.

4. Operating Instructions

4.1. Key Functions and FN Combinations

Due to its 60% compact layout, many functions are accessed via the **Fn** key in combination with other keys. Refer to the keycap legends for specific functions.



Image 4.1: FN Combo Function Keys. This image illustrates various key combinations using the Fn key to access secondary functions like Print Screen, Home, End, Page Up, Page Down, Insert, Delete, and arrow keys.

- **Fn + P**: Print Screen
- **Fn + [{**: Home
- **Fn +] }**: End
- **Fn + ; :**: Page Up
- **Fn + ' "**: Page Down
- **Fn + > .**: Insert
- **Fn + ?** /: Delete
- **Fn + W**/**A**/**S**/**D**: Arrow Keys (Up/Left/Down/Right)
- **Fn + Esc**: Tilde (~)
- **Fn + CapsLk**: Restore (specific function, refer to software for details)

4.2. RGB Lighting Control

The keyboard features dynamic RGB backlighting with 13 preset illumination modes. These can be controlled directly from the keyboard or customized further using the dedicated software.

- **Changing Modes**: Use specific Fn key combinations (refer to keyboard legends or software for exact keys).
- **Brightness Adjustment**: Adjust backlight brightness levels.
- **Speed Adjustment**: Control the speed of dynamic lighting effects.

4.3. Hot-Swappable Switches

The K530 Pro features a hot-swappable PCB, allowing users to change mechanical switches without soldering. It is compatible with most 3-pin and 5-pin switches on the market.



Image 4.2: Hot-Swappable Switches. A close-up view of the keyboard's PCB showing switches removed and the hot-swap sockets, demonstrating the ease of switch replacement.

1. Using the provided switch puller, carefully grip the switch and pull it straight up to remove it.
2. Align the pins of the new switch with the holes on the PCB.
3. Gently press the new switch into place until it clicks securely. Ensure pins are not bent.

4.4. Software Customization

The Redragon K530 Pro supports dedicated software for advanced customization, including macro programming, backlight effects, and key remapping.



Image 4.3: Software Customization Interface. This image displays the graphical user interface of the Redragon software, showing options for macro recording, lighting adjustments, and keybind customization.

Download the software from the official Redragon website. The software allows for:

- Creating and assigning macros.
- Customizing RGB lighting effects and colors.
- Remapping keys to different functions.
- Saving multiple profiles for different applications or games.

For software download and detailed instructions, visit:bit.ly/K530PRO (Note: This software is specifically for the K530 Pro model).

5. Maintenance

5.1. Cleaning the Keyboard

- Disconnect the keyboard from your computer before cleaning.
- Use a soft, lint-free cloth dampened with a small amount of water or isopropyl alcohol to wipe down the keycaps and chassis.
- For deeper cleaning, use the provided keycap puller to remove keycaps and clean underneath with compressed air or a small brush.
- Ensure the keyboard is completely dry before reconnecting it.

5.2. Battery Information

The keyboard is equipped with a built-in 1600 mAh Lithium Polymer battery. To maximize battery life:

- Charge the keyboard fully before first use.
- Recharge when the low battery indicator appears.
- Avoid exposing the keyboard to extreme temperatures.
- Battery life is approximately 15 hours with RGB backlight ON and 80 hours with RGB backlight OFF.



Image 5.1: Battery Life Information. This graphic highlights the 1600 mAh built-in battery capacity and estimated usage times: 15 hours with

RGB on, 80 hours with RGB off.

6. Troubleshooting

Issue	Possible Solution
Keyboard not responding (Wired)	Ensure the USB cable is securely connected to both the keyboard and the computer. Try a different USB port or cable. Verify the mode switch is set to wired.
Keyboard not connecting (2.4GHz Wireless)	Ensure the 2.4GHz receiver is plugged in and the keyboard mode switch is set to 2.4GHz. Try plugging the receiver into a different USB port. Ensure the keyboard is charged.
Keyboard not connecting (Bluetooth)	Ensure Bluetooth is enabled on your device and the keyboard mode switch is set to BT1 or BT2. Unpair and re-pair the keyboard. Ensure the keyboard is charged.
RGB lighting not working or incorrect	Check the keyboard's lighting controls (Fn key combinations). Ensure the keyboard is charged. If using software, verify settings.
Keys not registering or double-typing	Ensure switches are fully seated. If a specific switch is faulty, consider replacing it using the hot-swap feature. Clean under the keycap.
Short battery life	Reduce RGB backlight brightness or turn it off. Ensure the keyboard is fully charged.

7. Specifications

- **Brand:** Redragon
- **Model:** K530 PRO
- **Layout:** 60% (61 Keys)
- **Connectivity:** USB-C Wired, 2.4GHz Wireless, Bluetooth 3.0/5.0 (3-Mode)
- **Switches:** Hot-Swappable Mechanical (Blue Switch variant)
- **Backlighting:** RGB
- **Battery:** 1600 mAh Lithium Polymer (included)
- **Operating System Compatibility:** Windows, macOS, Linux, Unix
- **Dimensions (LxWxH):** 11.5 x 3.9 x 0.7 inches (29.2 x 9.9 x 1.8 cm)
- **Weight:** 1.86 pounds (0.84 kg)



Image 7.1: Redragon K530 Pro Compact Size. This image compares the K530 Pro's 60% layout to a full-sized keyboard, highlighting its compact dimensions of 11.4 inches by 3.9 inches.

8. Warranty and Support

For warranty information, technical support, or further assistance, please visit the official Redragon website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.
Official Redragon Website: www.redragonshop.com
Software and Driver Download: bit.ly/K530PRO

9. Compliance Information

This device complies with relevant international standards for electronic products. Please refer to the product packaging or official website for specific compliance marks and declarations.



Image 9.1: Compliance Logos. This image displays regulatory compliance marks such as CE, FCC, EAC, and RoHS, indicating adherence to product safety and environmental standards.

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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.

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