## Redragon K720

# Redragon K720 Wireless CNC Gasket Gaming Keyboard User Manual

Brand: Redragon | Model: K720

## 1. Introduction

This manual provides comprehensive instructions for the Redragon K720 Wireless CNC Gasket Gaming Keyboard. Please read thoroughly to ensure proper setup, operation, and maintenance of your device. The K720 combines advanced features with a durable design for an optimized user experience.




*Figure 1: Redragon K720 Wireless CNC Gasket Gaming Keyboard (Dawn Sakura color variant).*

## 2. Setup and Connectivity

### 2.1. Package Contents

- Redragon K720 Wireless CNC Gasket Gaming Keyboard
- USB-C to USB-A Cable
- Keycap/Switch Puller
- Spare Switches (4x Mint Mambo Linear Switches)

- 2.4GHz USB Dongle (stored in keyboard)

## 2.2. Connectivity Modes

The K720 keyboard supports three connection modes:

1. **USB-C Wired:** Connect the keyboard directly to your device using the provided USB-C cable. This mode also charges the keyboard battery.
2. **2.4GHz Wireless:** Insert the 2.4GHz USB dongle into your device's USB port. The dongle is stored in a dedicated slot on the left side of the keyboard.
3. **Bluetooth (BT 3.0/5.0):** Pair the keyboard with your Bluetooth-enabled device.

A toggle switch located on the left side of the keyboard allows you to select between 2.4G, OFF, and BT modes. Ensure the switch is set to the desired mode for connection.

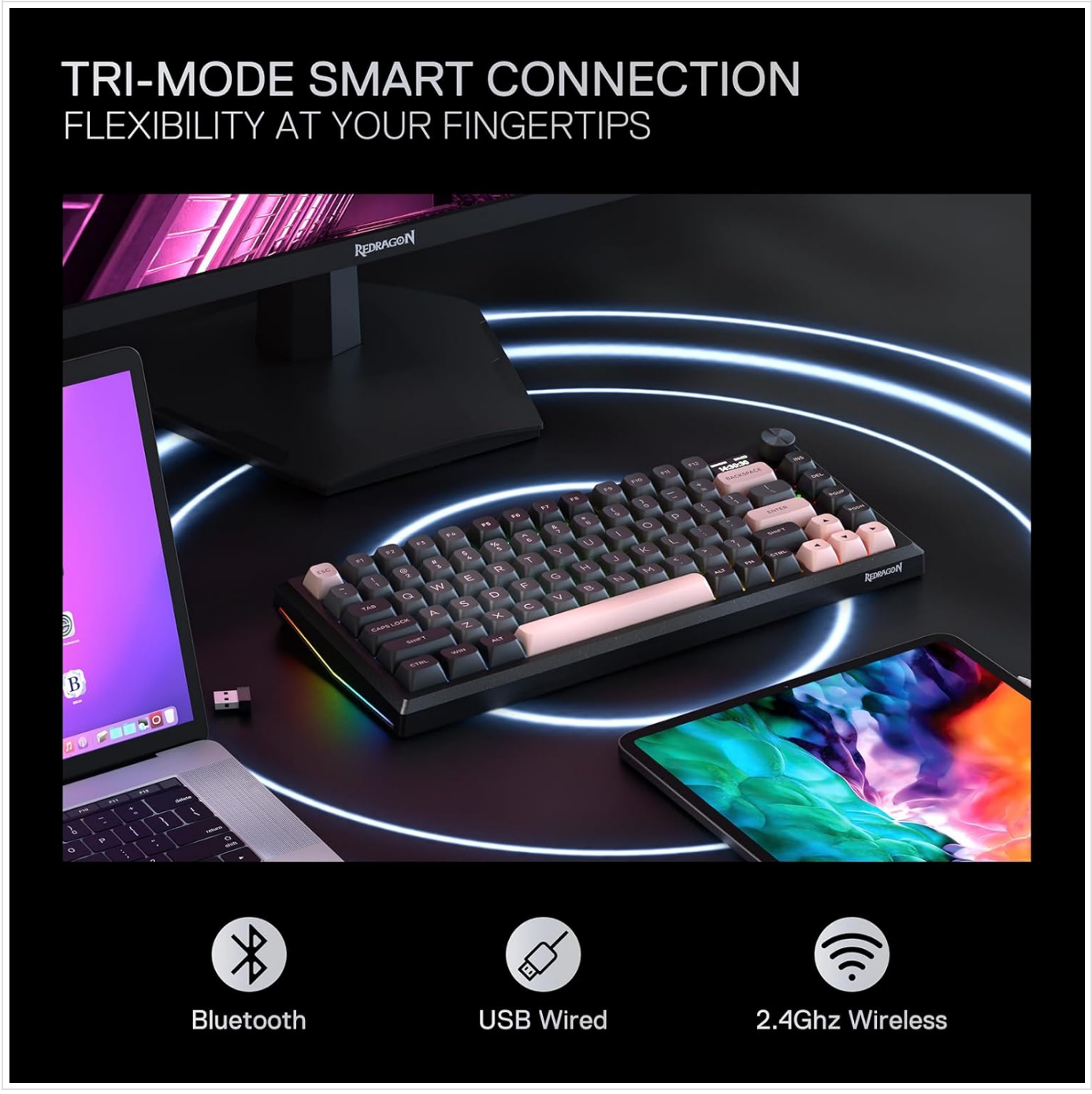



*Figure 2: Tri-Mode Smart Connection options (Bluetooth, USB Wired, 2.4GHz Wireless).*

## 2.3. Operating System Compatibility

The keyboard features a dedicated switch to select between Windows and Mac layouts, ensuring optimal functionality across different operating systems. This switch is located on the left side of the keyboard, adjacent to the connectivity mode toggle.

## 3. Operation

### 3.1. Key Layout

The K720 features an 81-key layout, which is a compact design that retains essential function keys and a numeric pad while optimizing space. This layout provides a balance between functionality and a smaller footprint.




*Figure 3: 81-key layout with Gasket Design, CNC Metal Board, LCD Smart Screen, PBT Round Keycaps, 5-Layer Sound Kit, and 4000mAh Battery.*

### 3.2. Smart Info-Island TFT Screen

The 1.41-inch TFT screen located in the top-right corner provides real-time information and customization options:

- **Default Display:** Shows time, date, battery level, and indicators for Caps Lock, Num Lock, and other statuses.
- **Customization:** Use the control knob to navigate through menus on the screen.
- **GIF/Image Display:** Upload custom GIFs or images via the software to personalize the screen.
- **Lighting Control:** Adjust RGB modes, colors, brightness, and speed directly from the screen menu.

- **System Settings:** Configure layout (Win/Mac) and time format (12H/24H).




*Figure 4: Detailed view of the 1.25-inch TFT LCD Screen and its functionalities.*

### 3.3. ONE-Knob Control

The multi-function knob provides convenient control over various settings:

- **Volume Control:** Rotate the knob to adjust system volume.
- **Media Playback:** Press the knob to play/pause media.
- **Lighting Adjustment:** Press and rotate to navigate the screen menu for lighting effects, brightness, and speed.

### 3.4. Pro Software Supported

The Redragon K720 is fully customizable via dedicated software, available for download from the Redragon website. The software allows you to:

- **Light Settings:** Customize RGB backlight effects, colors, brightness, and speed.
- **Button Settings:** Reprogram individual keys for various functions (default, mouse key, multimedia, system functions, office keys).
- **Macro Management:** Create, record, and save complex macros for enhanced productivity or gaming.

- **Other Settings:** Adjust N-key rollover, exchange key functions, Windows lock, and USB report rate.
- **View Screen:** Upload custom images or animated GIFs to the TFT screen.

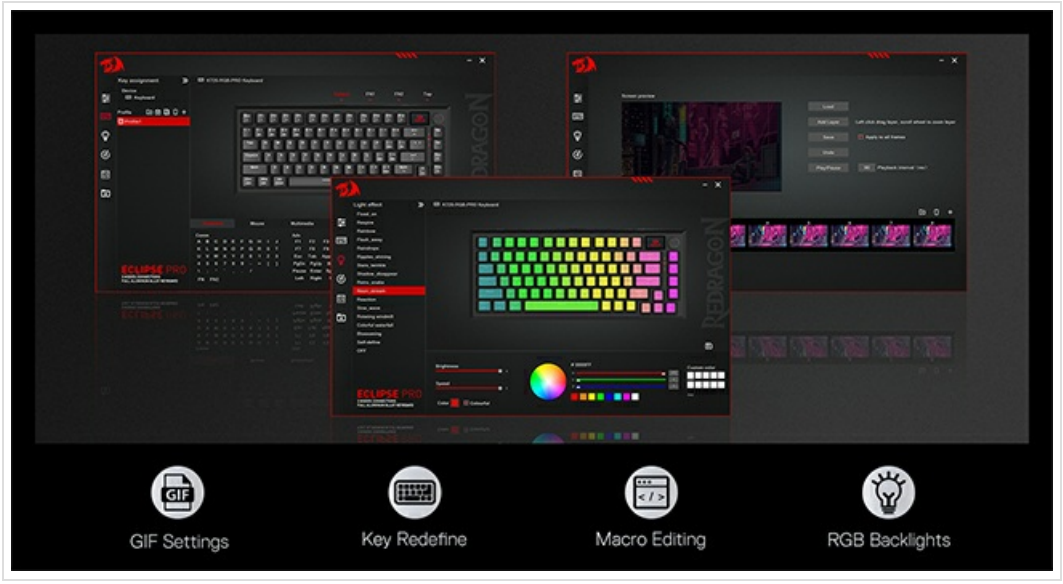



*Figure 5: Redragon K720 Pro Software interface for customization.*

## 4. Key Features

- **Smart Info-Island Screen:** A 1.41-inch TFT screen displays keyboard information, connection mode, battery level, typing status, and supports custom GIF/image display.
- **Gasket Design:** The body structure utilizes precision-locked covers with gaskets to reduce noise and enhance flexibility, providing even feedback and a softer typing feel.
- **CNC Aluminum Board:** The entire frame is crafted from tank-solid CNC aluminum metal with an advanced frosted process, ensuring stability and a premium typing experience.
- **81 Keys Layout:** A compact design that maintains the length of a 65% layout while adding essential top function keys, offering convenience without sacrificing mouse space.
- **Noise Dampening x 5:** Equipped with 3.5mm PO foam, IXPE switch foam, PET sound pad, bottom socket foam, silicone bottom pad, and a silicone gasket to significantly reduce hollow noise and create dampened, clean typing acoustics.
- **Hi-Fi Custom Switch:** Features thick-lubed custom linear switches with a gasket form factor for faster, creamy, and elastic typing feedback. The upgraded socket is compatible with nearly all 3/5-pin switches.
- **ONE-Knob Control:** An easy-access control knob manages keyboard backlight brightness and media functions (volume, play/pause, switch) without hassle.
- **3-Mode Connection:** Advanced tri-mode technology offers USB-C wired, BT 3.0/5.0, and 2.4Ghz wireless modes for versatile connectivity.
- **Pro Software Supported:** Expand customization options with software for designing new modes, effects, macros, and on-screen time synchronization with your PC.

## 5. Maintenance

### 5.1. Cleaning

Regularly clean your keyboard with a soft, dry cloth. For deeper cleaning, remove keycaps using the provided keycap puller and use compressed air to clear debris.

### 5.2. Switch Replacement

The K720 features hot-swappable sockets, allowing you to easily replace switches without soldering. Use the provided switch puller to carefully remove existing switches and insert new 3/5-pin compatible switches.




*Figure 6: Advanced Hot-Swap Sockets compatible with 3/5-pin switches.*

## 6. Troubleshooting

- **Connectivity Issues:** Ensure the mode toggle switch is correctly set (2.4G, BT, or Wired). For wireless modes, check battery level. For Bluetooth, ensure the device is discoverable and paired.
- **Key Not Responding:** Check if the switch is properly seated. If not, remove and reinsert the switch. If the issue persists, try replacing the switch with a spare.
- **Backlight Not Working:** Verify brightness settings via the control knob or software. Ensure the keyboard is charged.

## 7. Specifications

| Specification | Detail |
|---|---|
| Brand | Redragon |
| Model Number | K720 |
| Connectivity Technology | 2.4Ghz, BT, USB-C |
| Keyboard Description | 81 Keys Wireless Gasket Gaming Keyboard |
| Special Feature | 3-Mode Tech, 81 Keys Gasket Design, CNC Aluminum, Custom Switch, Hype Display & Knob |
| Keyboard Backlighting | RGB |
| Material | CNC Aluminum |
| Item Weight | 4.44 pounds |
| Batteries | 1 Lithium Polymer battery required |
| Included Components | USB Cable, Keycap/Switch Puller, Spare Switches |

## 8. Official Product Videos

### Redragon K720 CNC Gasket Gaming Keyboard with TFT Screen

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*Video 1: An overview of the Redragon K720 CNC Gasket Gaming Keyboard, highlighting its key features and design elements.*

### Using the Redragon K720 Wireless CNC Gasket Gaming Keyboard

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*Video 2: A detailed demonstration of how to use the Redragon K720 keyboard, including connectivity and feature utilization.*

## 9. Warranty and Support

For warranty information and technical support, please refer to the official Redragon website or contact Redragon customer service directly. Product software and drivers can be downloaded from the Redragon website.


### 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.

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**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