RedThunder K95

RedThunder K95 Wireless Mechanical Keyboard User Manual

Model: K95

1. INTRODUCTION

This manual provides comprehensive instructions for the RedThunder K95 Wireless Mechanical Keyboard. It covers setup, operation, maintenance, and troubleshooting to ensure optimal performance and user experience. The K95 features a 1.14" TFT screen, CNC knob, tri-mode connectivity (Bluetooth, 2.4GHz, USB-C), hot-swappable switches, gasket structure, and full RGB lighting.

2. WHAT'S IN THE BOX

Verify that all items are present in the package:

- K95 Keyboard
- USB Cable
- Switches (spare)
- User Manual (this document)
- Keycap Puller

Figure 2: Included items with the RedThunder K95 Keyboard

3. SETUP AND CONNECTION

3.1 System Selection

Before connecting, select the appropriate operating system mode using the switch located on the top edge of the keyboard:

- For macOS: Set the system switch to **IOS**.
- For Windows: Set the system switch to **WIN**.

Figure 3: System selection switch (WIN/IOS) on the keyboard.

3.2 Connection Modes

The RedThunder K95 supports three connection modes: Bluetooth, 2.4GHz Wireless, and USB-C Wired. Use the BT / CABLE / 2.4G switch on the top edge of the keyboard to select your desired mode.

3.2.1 Bluetooth (BT) Connection

1. Set the connection mode switch to **BT**.
2. Long press **FN + Q** for 3 seconds to connect to BT1. The screen will indicate "BT1 Pairing".
3. On your device (e.g., smartphone, tablet, laptop), enable Bluetooth and search for "K95-5.0".
4. Select "K95-5.0" and confirm pairing. The screen will show "BT1 Success".
5. Repeat steps 2-4 using **FN + W** for BT2 and **FN + E** for BT3 to connect up to three Bluetooth devices.
6. To switch between connected Bluetooth devices, short press **FN + Q/W/E**.

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Video 1: Demonstrates the tri-mode connection process, including Bluetooth pairing.

3.2.2 2.4GHz Wireless Connection

1. Set the connection mode switch to **2.4G**.
2. Locate the USB receiver stored in the keyboard (usually near the system switch).
3. Plug the USB receiver into an available USB port on your computer or device.
4. The keyboard will automatically connect. The screen will indicate "2.4G Linking" then "2.4G Success".

Figure 4: The keyboard connected via 2.4GHz wireless to a laptop.

3.2.3 USB-C Wired Connection

1. Set the connection mode switch to **CABLE**.
2. Connect the provided USB-C cable to the keyboard's USB-C port and the other end to your computer's USB port.
3. The keyboard will be recognized as a wired device. The screen will indicate "USB Success".

4. OPERATING INSTRUCTIONS

4.1 TFT Screen and CNC Knob Functions

The 1.14" TFT screen displays essential information such as date, time, battery level, connection mode, and key status. The CNC knob provides quick access to various settings:

- **Rotate Knob:** Adjust volume, scroll through menu options, or change RGB light modes.
- **Press Knob:** Select menu options, switch between volume and other pages on the home screen.

Note: To adjust the time displayed on the screen, connect the keyboard in wired mode to a Windows computer and use the K95 software.

Figure 5: TFT Screen and CNC Knob functionality.

4.2 RGB Lighting Control

The K95 keyboard features full RGB backlighting with 1.68 million colors and 8 side lighting modes. Lighting can be adjusted via FN key combinations, the CNC knob, or the programmable software.

- **FN + \:** Switch between 16 backlight modes.
- **FN + TAB:** Adjust 8 side lighting modes.
- **FN + ↑/↓:** Increase/Decrease brightness.
- **FN + ←/→:** Speed up/Slow down the light effect.
- **FN + Ctrl (Right):** Enter/Exit custom lighting settings.

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Video 2: Demonstrates various RGB backlight modes and adjustments using the knob.

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Video 3: Shows how to adjust light efficiency, color, brightness, and speed, and customize key backlighting.

4.3 Hot-Swappable Switches

The K95 features a hot-swappable PCB, allowing you to change 3-pin or 5-pin mechanical switches without soldering. This enables customization of typing feel and sound.

1. Use the provided keycap puller to carefully remove the keycap from the desired switch.
2. Use the switch puller to gently remove the switch from the PCB.
3. Align the pins of the new switch with the holes on the PCB, ensuring the switch is perpendicular.
4. Press the new switch firmly into place until it clicks.
5. Replace the keycap.

Figure 6: Hot-swappable switch mechanism.

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Video 4: Demonstrates the process of changing hot-swappable switches and keycaps.

4.4 Programmable Software

The K95 offers programmable software for advanced customization of key functions, macros, RGB effects, and screen GIF images. The software is compatible with Windows 10 and can be used in 2.4G wireless or wired mode.

- Download the K95-US driver from the official RedThunder website.
- Features include: Key mapping, macro definition, adjusting key sensitivity, sleep time, debounce, screen GIF image customization, and music rhythm backlight effects.

Figure 7: Overview of the K95 programmable software.

4.5 FN Key Functions

The FN key provides access to additional functions and shortcuts. The functions vary slightly between Windows and macOS modes.

Windows Mode FN Functions

Key Position	Single Press Function	FN+ Combination
F1	F1	My computer
F2	F2	Mailbox
F3	F3	Homepage
F4	F4	Search
F5	F5	Refresh
F6	F6	Music
F7	F7	Previous song

Key Position	Single Press Function	FN+ Combination
F8	F8	Play/Pause
F9	F9	Next song
F10	F10	Mute
F11	F11	Volume-
F12	F12	Volume+

macOS Mode FN Functions

Key Position	Single Press Function	FN+ Combination
F1	Screen brightness-	F1
F2	Screen brightness+	F2
F3	Array Running Program	F3
F4	Search	F4
F5	Exhale Siri	F5
F6	Screenshot	F6
F7	Previous song	F7
F8	Play/Pause	F8
F9	Next song	F9
F10	Mute	F10
F11	Volume-	F11
F12	Volume+	F12

4.6 Gasket Structure

The K95 keyboard utilizes a gasket-mount design with five-layer shock absorption and a single-key positioning plate. This construction provides a softer, more comfortable typing experience and ensures full-key anti-ghosting, making it suitable for both gaming and typing.
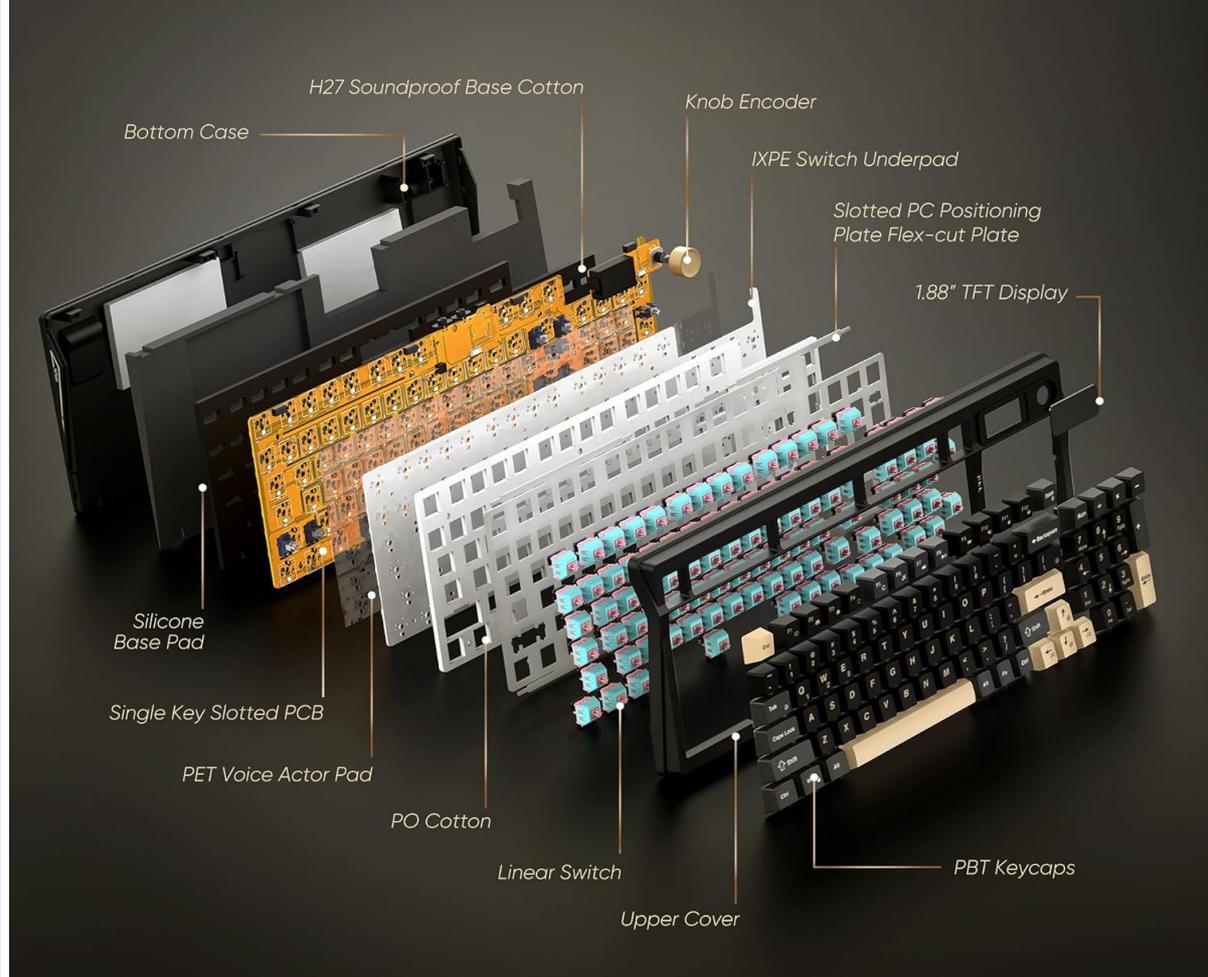
Figure 8: Internal Gasket Structure for enhanced typing comfort.

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Video 5: Highlights the gasket structure and its benefits for typing feel.

4.7 Battery Information

The K95 is equipped with a rechargeable 8000mAh battery. Battery life varies based on usage:

- Approximately 48 hours with backlight enabled.
- Approximately 266 hours with backlight disabled.

Use the original charging cable or a qualified data-capable USB-C cable for charging.

Figure 9: Battery capacity and estimated usage.

5. Maintenance

To maintain the performance and appearance of your RedThunder K95 keyboard, follow these guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the keyboard surface. For stubborn dirt, slightly dampen the cloth with water or a mild cleaning solution. Avoid harsh chemicals.
- **Keycaps:** Keycaps can be removed for deeper cleaning using the provided keycap puller. Clean them with mild soap and water, then ensure they are completely dry before reattaching.
- **Switches:** If switches are removed, ensure no dust or debris enters the switch sockets.
- **Storage:** Store the keyboard in a cool, dry place away from direct sunlight and extreme temperatures.
- **Charging:** Always use the provided USB-C cable or a certified equivalent for charging to prevent damage to the battery and keyboard.

6. Troubleshooting

If you encounter issues with your RedThunder K95 keyboard, refer to the following common solutions:

- **Function or shortcut keys not working:** Check the system switch position (WIN/IOS) on the top edge of the keyboard. Ensure it matches your operating system. Alternatively, press **FN + ESC** for a factory reset.
- **Bluetooth connection failed:** Long press **FN + Q/W/E** for 3 seconds to re-enter pairing mode and reconnect. Ensure your device's Bluetooth is enabled and discoverable.
- **2.4G connection failed:** Remove the USB receiver from your device. Long press **FN + R** on the keyboard, wait 3 seconds, then reinsert the USB receiver into your device for pairing.
- **Other issues:** If problems persist, please contact RedThunder customer support for assistance.

7. SPECIFICATIONS

Feature	Detail
Model	K95
Product Dimensions	15.35 x 5.71 x 1.85 inches
Item Weight	2.16 pounds
Manufacturer	RedThunder
Batteries	1 Lithium Ion battery required (included)
Connectivity Technology	2.4G Wireless, Bluetooth, USB-C
Keyboard Description	Compact Mechanical Multimedia Programmable RGB Backlit Keyboard
Special Feature	Backlit, Display and Knob, Hot-Swappable, Programmable Keys, Rechargeable
Color	Black Gold (variant)
Keyboard Backlighting	RGB
Material	Polybutylene Terephthalate (PBT Keycaps)

8. WARRANTY AND SUPPORT

RedThunder products are designed for reliability and performance. For warranty information, technical support, or any inquiries not covered in this manual, please refer to the official RedThunder website or contact their customer service directly. Keep your purchase receipt for warranty claims.

Related Documents - K95

	[RedThunder K84 Wireless Keyboard and Mouse Combo User Manual](#) User manual for the RedThunder K84 wireless keyboard and M84 mouse combo. Learn about setup, features like 75% compact layout and honeycomb mouse, troubleshooting, and safety guidelines.

	EU Declaration of Conformity - K84 Wireless Keyboard and M84 Mouse Official EU Declaration of Conformity for Shenzhen RedThunder's K84 Wireless Keyboard and M84 Mouse, detailing compliance with relevant Union harmonization legislation.
	Corsair K95 RGB PLATINUM XT Mechanical Gaming Keyboard - User Guide User guide for the Corsair K95 RGB PLATINUM XT mechanical gaming keyboard, covering setup, software installation (iCUE, Stream Deck), hardware playback features, and factory reset. Includes a detailed diagram of the keyboard layout and explanations of its keys and features.
	Corsair K95 RGB Platinum Keyboard User Guide This guide provides information on setting up and using the Corsair K95 RGB Platinum Mechanical Gaming Keyboard, including its features like programmable macro keys, USB passthrough, and customizable lighting.
	QIYIDA X99 Motherboard Installation Guide and Component Overview Detailed installation instructions and component identification for the QIYIDA X99 motherboard, covering memory installation, power connectors, and I/O ports.
	ATKTTOP Wireless Lavalier Microphone User Manual (MicAce K95) User manual for the ATKTTOP MicAce K95 Wireless Lavalier Microphone, detailing its features, setup, operation, and specifications for optimal audio recording and live streaming.