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› [iRocks K85R Wireless Mechanical Gaming Keyboard User Manual](#)

i-rocks K85R

iRocks K85R Wireless Mechanical Gaming Keyboard User Manual

Model: K85R | Brand: i-rocks

INTRODUCTION

This manual provides detailed instructions for the iRocks K85R Wireless RGB Backlit Mechanical Gaming Keyboard. It covers setup, operation, maintenance, and specifications to ensure optimal performance and user experience. The K85R features hot-swappable pre-lubed brown switches, PBT keycaps, a smart LCD display, and dual-mode connectivity.

PACKAGE CONTENTS

Verify that all items are present in the package:

- iRocks K85R Wireless Mechanical Gaming Keyboard
- 2.4GHz Wireless Dongle
- USB-C to USB-A Braided Cable
- Keycap Puller
- Switch Puller
- Extra Switches (if included with specific model variant)

SETUP

1. Connectivity Options

The iRocks K85R keyboard supports two connection modes: 2.4GHz wireless and USB-C wired.



Image: iRocks K85R keyboard demonstrating dual-mode connectivity, showing both 2.4GHz wireless and USB-C wired connections to different computer setups.

2.4GHz Wireless Mode:

- Locate the 2.4GHz wireless dongle, typically stored in a compartment on the keyboard.
- Plug the dongle into an available USB port on your computer.
- Turn on the keyboard using the power switch (usually located on the side or back). The keyboard will automatically connect to the dongle.

USB-C Wired Mode:

- Connect the provided USB-C cable to the keyboard's USB-C port.
- Connect the other end of the cable (USB-A) to your computer's USB port.
- The keyboard will function immediately in wired mode and will also charge the internal battery.

2. System Compatibility

The iRocks K85R is compatible with Windows 10/11 and macOS systems without requiring additional drivers for basic functionality.



Image: iRocks K85R keyboard showcasing multi-system compatibility, indicating support for both macOS and Windows operating systems.

OPERATING INSTRUCTIONS

Smart LCD Display and Control Knob

The keyboard features a 1.14-inch color LCD display and a multi-function rotary knob for intuitive control over various settings.



Image: A detailed view of the iRocks K85R's LCD display, illustrating its ability to show time, date, battery level, connection status, and options for RGB lighting and GIF display.

Knob Functions:

- **Rotate Clockwise:** Increase volume, scroll up, zoom in, fast forward, or fine-tune multimedia depending on the active application.
- **Rotate Counter-clockwise:** Decrease volume, scroll down, zoom out, rewind, or fine-tune multimedia.
- **Press:** Mute/unmute audio, confirm selection, or activate specific functions within applications.

Premium Smart Knob

Sleek aluminum design with a matte gold finish, engraved grip, and smooth, tactile rotation.



Clockwise
volume+



Counterclockwise
volume-



Press
Sound on/off



Image: Close-up of the keyboard's smart knob, detailing its rotational and press functions for controlling volume and other settings.

LCD Display Information:

The LCD displays current date, time, battery percentage, and connection status. It also allows navigation through various settings menus.

RGB Backlighting Control:

- **FN + ↑ / ↓**: Adjust brightness (5 levels) or turn off backlight.
- **FN + ← / →**: Change backlight color or effect speed.

3750mAh



Ultra Long-Lasting Battery Life

Ensures long-lasting and stable use.

Backlight Off  **160hours**

Backlight Off  **36hours**

Image: Diagram illustrating the FN key combinations used to adjust RGB backlight brightness, change colors, and modify effect speeds on the iRocks K85R keyboard.

Power Saving Mode:

- **FN + Ctrl + 0:** Disable power-saving mode (0 key blinks 3 times).
- **FN + Ctrl + 3:** Enable power-saving mode after 10 minutes of inactivity (3 key blinks 3 times).
- *Note: In wireless mode, the keyboard automatically enters a low-power sleep mode with backlight off to conserve energy.*

Customization Software

The iRocks K85R supports customization software for advanced settings, including GIF image display, 16.8 million colors, macro creation, custom profiles, and music sync modes. The software is compatible with Windows only and functions in wired mode.

- **To use software:** Connect the keyboard via USB-C cable and switch the knob to wired mode.
- **Software Download:** Visit i-rocks.com for the latest software.



FN + ▲ or ▲ Adjust Brightness (5 levels) or Off

FN + ◀ or ▶ Change Backlight Color

FN + - or + Adjust Effect Speed

Note: In wireless mode, the keyboard enters power-saving mode automatically to conserve energy (low-power sleep / backlight off).



FN + Ctrl + 0 Disable power-saving mode (0 key blinks 3 times)

FN + Ctrl + 3 Enable power-saving after 10 min inactivity (3 key blinks 3 times)

Image: Screenshot of the iRocks customization software, demonstrating features for GIF image display settings, color adjustments, and macro creation.

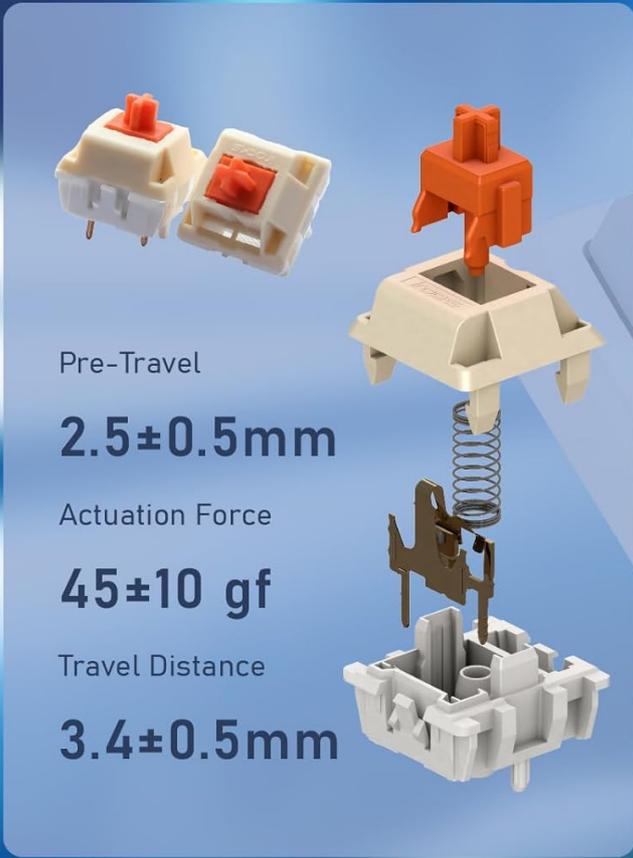
Hot-Swappable Switches

The K85R features Gateron hot-swappable sockets, allowing users to easily replace switches without soldering.

The keyboard comes with iRocks pre-lubed brown switches, available in Bubble Switch (tactile) or Silent Bubble Switch (silent & tactile) variants.

Bubble Switches

Tactile | Pre-lubed | Enhanced Tactility



Pre-Travel
2.5±0.5mm

Actuation Force
45±10 gf

Travel Distance
3.4±0.5mm

Image: Exploded view diagram of a Bubble Switch, detailing its tactile nature, pre-lubrication, and enhanced tactility, along with specifications for pre-travel, actuation force, and total travel distance.

PBT Doubleshot Keycaps

The keyboard is equipped with durable PBT doubleshot keycaps. This manufacturing process ensures that the legends will not fade over time, providing long-lasting clarity and resistance to wear.

Gasket Mount Structure

The K85R utilizes a gasket mount design with flexible pads, which provides a more uniform and softer typing experience compared to traditional screw-mounted keyboards. This design also contributes to the keyboard's multi-layer noise reduction.

Multi-Layer Noise Reduction

Four-layer design minimizes noise and echo for a pure typing experience.

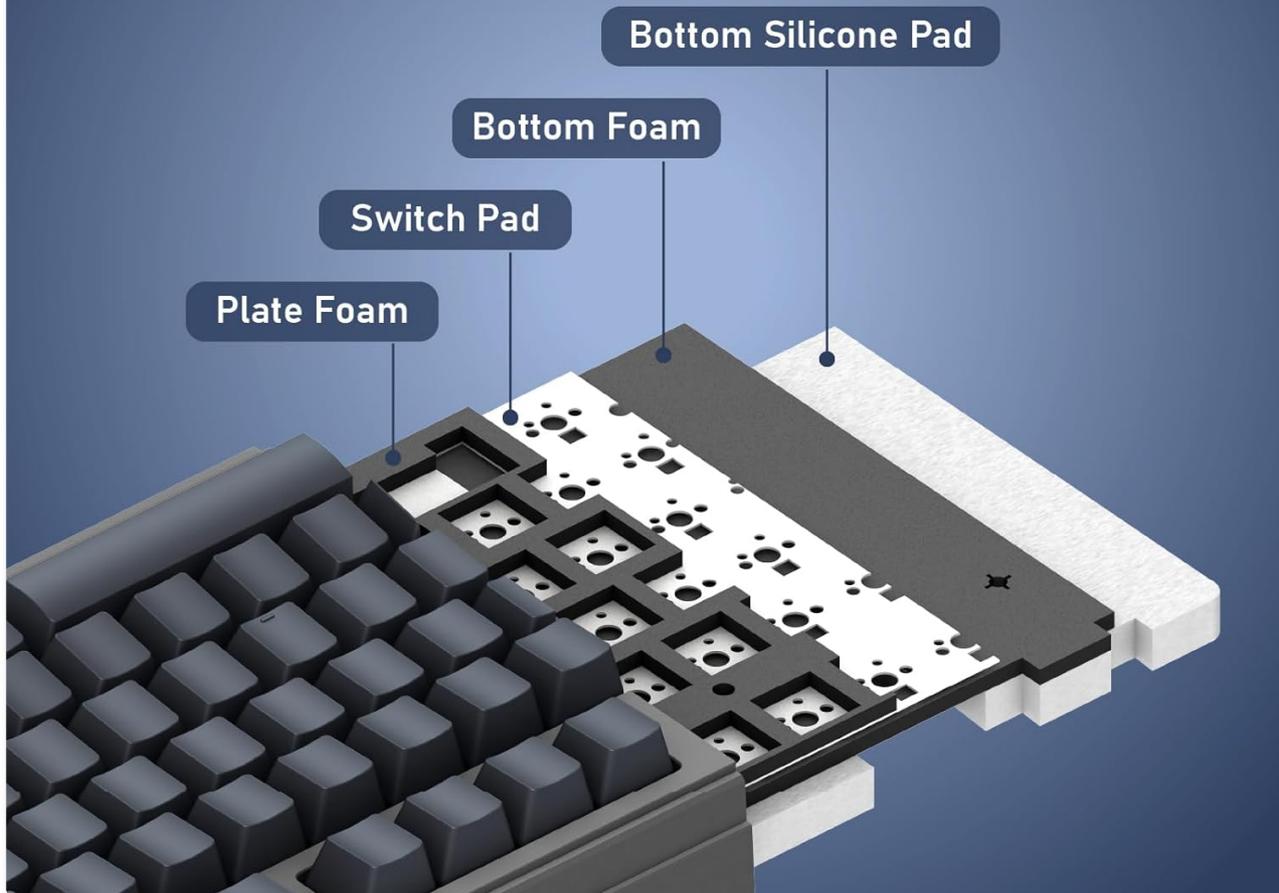


Image: Cross-section diagram illustrating the multi-layer noise reduction components within the keyboard, such as the bottom silicone pad, bottom foam, switch pad, and plate foam, which contribute to a quieter typing experience.

Battery Life

The keyboard is equipped with a 3750 mAh high-capacity battery. It provides approximately 160 hours of use with the backlight off and around 40 hours with RGB backlighting enabled.

Multi-System Compatibility, Seamless Adaptation

Supports dual-system mode for easy control across devices and OS.



USB to Type-C
Stable & Reliable



2.4GHz
Wire-free



Compatible with
MacOS / Windows System

Image: Visual representation of the keyboard's battery life, showing extended usage time when the backlight is off and reduced time with RGB backlighting active.

Product Videos

Your browser does not support the video tag.

Video: An overview of the iRocks K85R keyboard, highlighting its design, features, and typing experience.

Your browser does not support the video tag.

Video: A promotional video showcasing the iRocks K85R keyboard's release, emphasizing its key features and design.

MAINTENANCE

Cleaning:

- Regularly clean the keyboard with a soft, dry cloth.
- For deeper cleaning, use the provided keycap puller to remove keycaps and clean underneath with compressed air or a small brush.
- Avoid using harsh chemicals or abrasive materials that could damage the keycaps or keyboard surface.

Switch Replacement:

The hot-swappable design allows for easy switch replacement. Use the provided switch puller to carefully remove existing switches and insert new compatible 3-pin or 5-pin mechanical switches.

TROUBLESHOOTING

- **Keyboard not responding:** Ensure the keyboard is powered on and properly connected (either via 2.4GHz dongle or USB-C cable). Check battery level on the LCD display.
- **Wireless connection issues:** Try re-pairing the dongle or switching to wired mode. Ensure no strong interference sources are nearby.
- **Backlight not working:** Check RGB brightness settings using FN key combinations or the customization software.

- **Software not detecting keyboard:** Ensure the keyboard is connected via USB-C cable and the knob is set to wired mode. Reinstall the software if necessary.
- **Keys not registering:** If specific keys are not working, consider replacing the switch using the switch puller, as the keyboard is hot-swappable.

SPECIFICATIONS

Feature	Detail
Brand	i-rocks
Model	K85R
Connectivity Technology	2.4GHz Wireless, USB-C Wired
Keyboard Description	Mechanical
Switch Type	Tactile (iRocks Pre-lubed Brown Switches)
Keycaps	PBT Doubleshot
Special Features	RGB Backlit, Hot-Swappable, Rechargeable, LCD Display, Smart Knob, Gasket Mount Structure
Battery Capacity	3750 mAh
Compatible Devices	Laptop, PC (Windows 10/11, macOS)
Item Weight	3.27 pounds
Package Dimensions	17.28 x 7.72 x 2.48 inches

WARRANTY AND SUPPORT

For warranty information, technical support, or customer service inquiries, please visit the official i-rocks website or contact their customer support channels. i-rocks has established branches in various countries including the USA, South Korea, China, and Malaysia to provide comprehensive support.

Official Website: i-rocks.com