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› IROK ZN84 RGB TKL 80% 84 Keys Wireless Mechanical Keyboard User Manual

IROK ZN84

IROK ZN84 RGB TKL 80% 84 Keys Wireless Mechanical Keyboard User Manual

BRAND: IROK

Model: ZN84

INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your IROK ZN84 RGB TKL 80% 84 Keys Wireless Mechanical Keyboard. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

PRODUCT OVERVIEW

The IROK ZN84 is a versatile mechanical keyboard offering multiple connectivity options and customizable RGB lighting. It features a compact 80% TKL layout with 84 keys, hot-swappable switches, and a unique internal sound-absorbing structure for an enhanced typing experience.



Figure 1: IROK ZN84 RGB TKL 84 Keys Wireless Mechanical Keyboard.

Key Features

- **Three Modes Connection:** Supports BT5.0, 2.4Ghz wireless, and USB-C wired connections.
- **Hot-Swappable Switches:** Compatible with 3-pin/5-pin mechanical switches for customization.
- **RGB Custom Backlight:** Features 16.8 million true-color RGB lighting effects with multiple modes (Note: Backlight functions only in wired mode).
- **Unique Internal Structure:** Multi-layered padding and noise reduction for a quiet and solid typing feel.
- **Long Battery Life:** Powered by AAA batteries, offering extended usage in wireless mode.



Figure 2: Keyboard highlighting RGB side light bar and AAA battery compartment.



Figure 3: Overview of the keyboard's three connectivity modes and Mac/Win switching.

SETUP

1. Unboxing and Contents

Carefully remove all items from the packaging. Verify that all components are present:

- IROK ZN84 Mechanical Keyboard
- Keycap Puller
- USB Cable (Type-C)
- AAA Batteries (for wireless mode)

2. Powering On

For wireless operation, insert two AAA batteries into the designated battery compartment on the underside of the keyboard. Ensure correct polarity. For wired operation, connect the USB-C cable to the keyboard and your computer.

3. Connecting Your Keyboard

The IROK ZN84 supports three connection modes: Bluetooth (BT5.0), 2.4GHz Wireless, and USB-C Wired.

USB-C Wired Connection:

1. Locate the USB-C port on the keyboard.
2. Connect the provided USB-C cable to the keyboard and the other end to an available USB port on your computer.
3. The keyboard will be automatically recognized and ready for use. Note: RGB backlight is fully functional in wired mode.

2.4GHz Wireless Connection:

1. Ensure AAA batteries are installed.
2. Locate the 2.4G wireless receiver (dongle) usually found in a slot on the keyboard or packaging.
3. Plug the 2.4G receiver into an available USB port on your computer.
4. Switch the mode selector switch on the keyboard to the '2.4G' position.
5. The keyboard should connect automatically.

Bluetooth (BT5.0) Connection:

1. Ensure AAA batteries are installed.
2. Switch the mode selector switch on the keyboard to the 'BT' position.
3. On your computer or device, enable Bluetooth and search for new devices.
4. Select 'IROK ZN84' (or similar name) from the list of available devices to pair.
5. The keyboard can connect to up to 3 Bluetooth devices simultaneously. Use specific key combinations (refer to keyboard legends or quick guide) to switch between paired devices.

Important Note: The RGB backlight only functions when the keyboard is connected via wired (USB-C) mode. It is not available in Bluetooth or 2.4GHz wireless modes to conserve battery life.

OPERATING INSTRUCTIONS

1. System Switching (Mac/Windows)

The keyboard supports one-click conversion between Mac and Windows operating systems. Refer to the keyboard's key legends for the specific key combination (e.g., Fn + A/S) to switch modes.

2. RGB Backlight Control

As noted, RGB backlight is available only in wired mode. The keyboard is equipped with an independent RGB control chip, allowing you to switch between over a dozen lighting modes without requiring additional drivers or software.

Three-layer sound absorbing structure

Deliminate most hollow sound

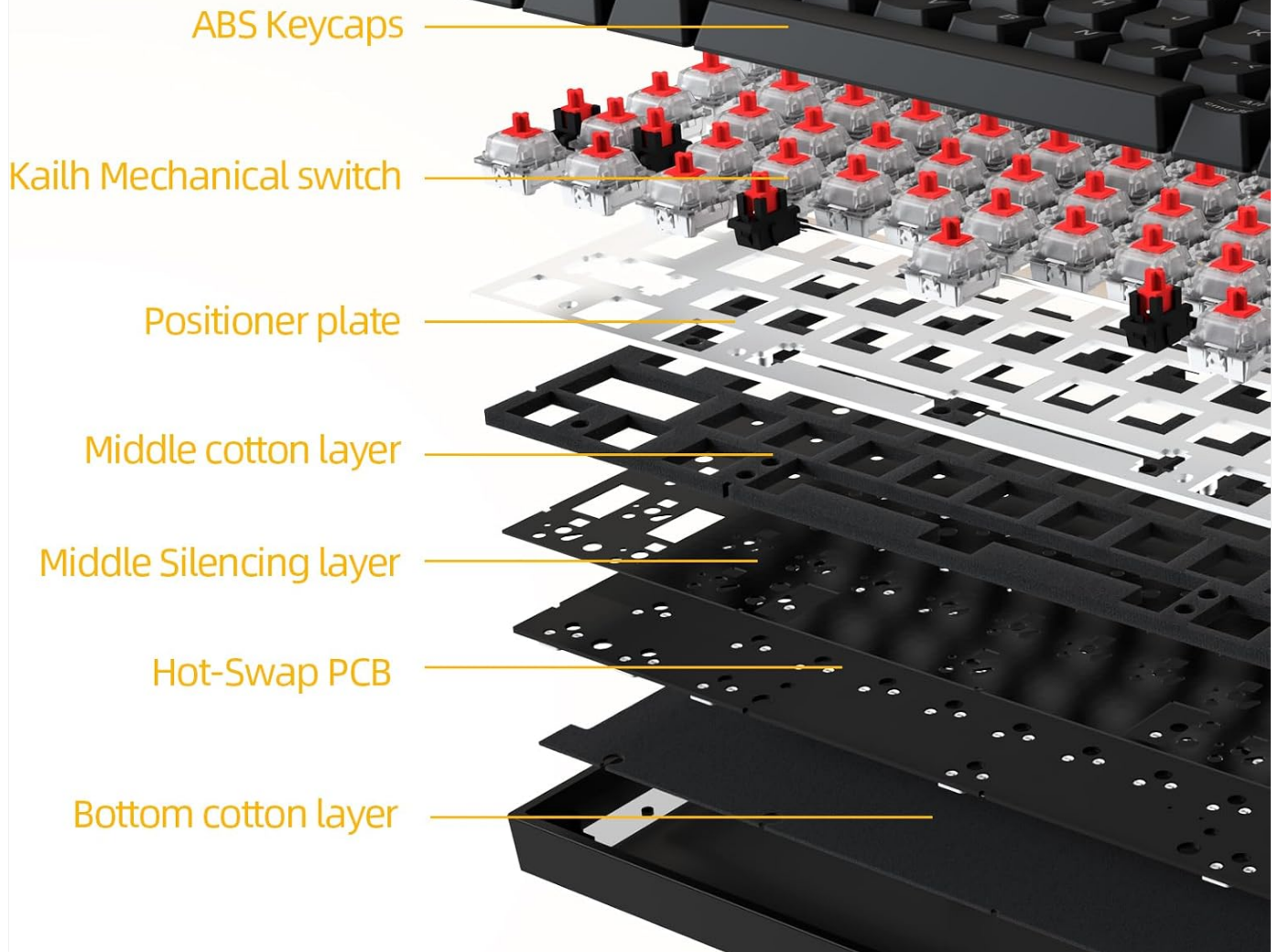


Figure 4: The keyboard's vibrant 16.8 million color RGB lighting capabilities.

Use the designated function keys (e.g., Fn + F-keys or specific lighting control keys) to cycle through different lighting effects, adjust brightness, and change colors. Consult the quick start guide or keycap legends for specific commands.

3. Hot-Swappable Switches

The IROK ZN84 features hot-swappable sockets, allowing you to easily change mechanical switches without soldering. This feature supports both 3-pin and 5-pin switches, enabling full customization of your typing feel.

Customise your own keyboard feel

Hot-Swap switch holders for most mechanical axes, easily be replaced with else switch, freely define your own keyboard feel

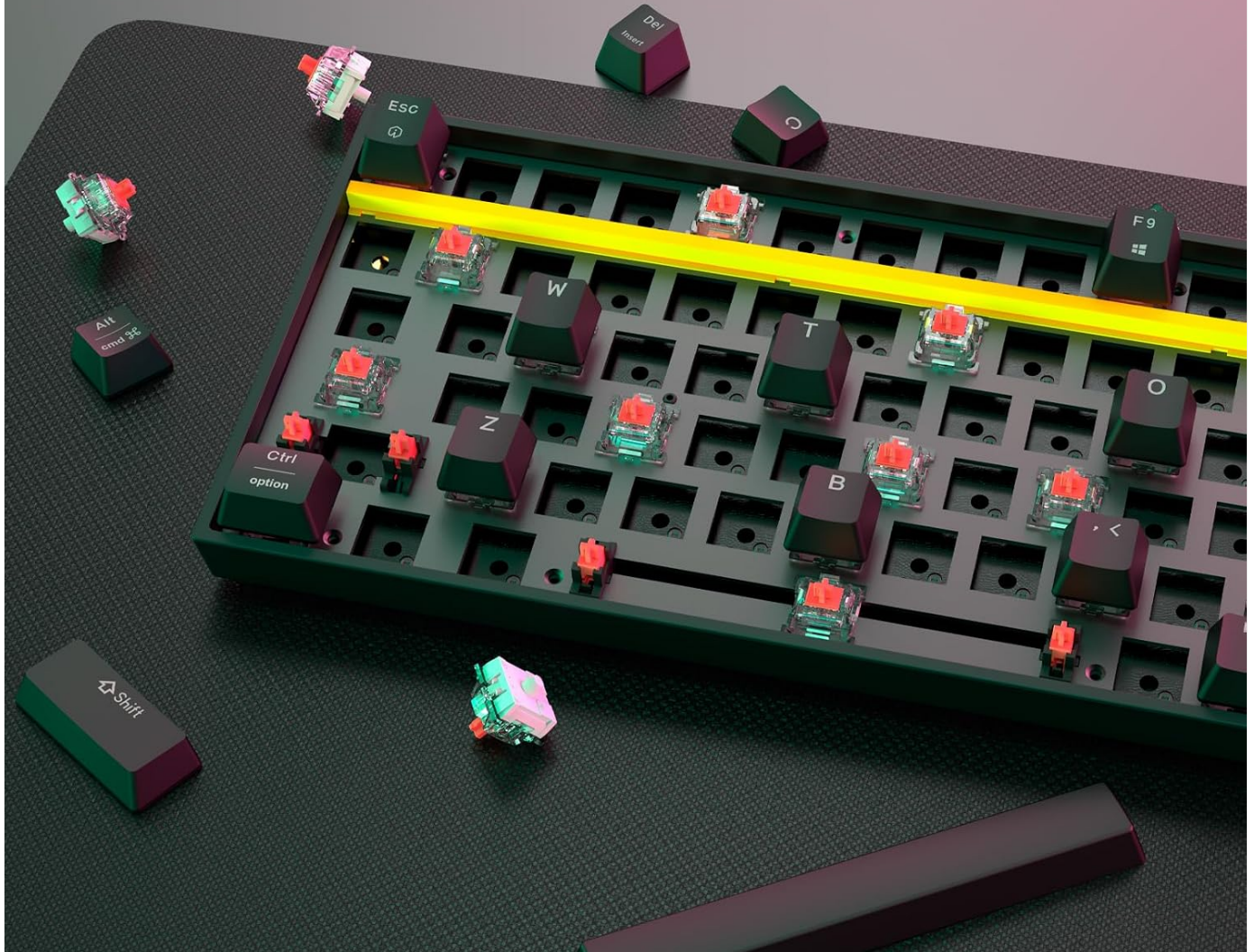


Figure 5: Customizing the keyboard feel by swapping mechanical switches.

To replace a switch:

1. Gently pull off the keycap using the provided keycap puller.
2. Use a switch puller (not included, but often comes with replacement switches) to carefully remove the switch from its socket.
3. Align the pins of the new switch with the holes on the PCB and press firmly until it clicks into place. Ensure pins are not bent.
4. Re-attach the keycap.

4. Internal Structure and Acoustics

The keyboard incorporates a unique multi-layered sound-absorbing structure, including acoustic silicone pads, to minimize hollow sounds and provide a more solid and clean typing experience.

16.8 million colors RGB phantom lighting

The keyboard is equipped with an independent RGB control chip, Switch more than 10 lighting modes without the need for a driver



* Only support to be opened in wired mode

Figure 6: Exploded view illustrating the keyboard's three-layer sound absorbing structure.

MAINTENANCE

1. Cleaning

To maintain your keyboard's appearance and functionality:

- Disconnect the keyboard from power before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe the keycaps and chassis.
- For dust and debris between keycaps, use compressed air or a small brush.
- Avoid using harsh chemicals or abrasive materials.

2. Keycap and Switch Care

Regularly remove keycaps and clean underneath to prevent debris buildup. When removing switches, do so gently to

avoid damaging the PCB sockets.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Keyboard not responding in wireless mode.	Low battery, incorrect mode selected, receiver not plugged in (2.4G), not paired (BT).	Replace AAA batteries. Ensure mode switch is correct. Plug in 2.4G receiver. Re-pair Bluetooth.
RGB backlight not working.	Keyboard is in wireless mode, backlight is turned off, or brightness is too low.	Connect keyboard via USB-C cable. Use function keys to turn on/adjust backlight brightness.
Keys not registering or double-typing.	Loose or faulty switch, debris under keycap/switch.	Remove keycap and switch, clean the area, re-insert switch firmly. Replace switch if faulty.
Cannot switch between Mac/Win systems.	Incorrect key combination used.	Refer to the keyboard's key legends or quick guide for the correct Fn key combination.

SPECIFICATIONS

Feature	Detail
Product Dimensions	12.28 x 4.96 x 1.6 inches
Item Weight	2.03 pounds
Connectivity Technology	Bluetooth (BT5.0), 2.4GHz Wireless, USB-C Wired
Keyboard Description	Mechanical
Recommended Uses	Gaming
Special Features	Ergonomic, Lightweight, Backlit (Wired Mode Only), Hot-Swappable
Color	BlackYellow-Red switch (variant specific)
Number of Keys	84
Keyboard Backlighting	RGB (16.8 million colors)
Power Source	AAA Batteries (Wireless), USB-C (Wired)
Manufacturer	IROK
Country of Origin	China

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the product packaging or contact IROK customer service through their official website or the retailer where the product was purchased. Keep your proof of purchase for warranty claims.

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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