IROK MG68 Max

IROK MG68 Max Tri-Mode Wireless Magnetic Switch Keyboard User Manual

Model: MG68 Max | Brand: IROK

1. Introduction

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your IROK MG68 Max Tri-Mode Wireless Magnetic Switch Keyboard. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.



Figure 1: IROK MG68 Max Tri-Mode Wireless Magnetic Switch Keyboard.

2. Package Contents

Upon unboxing, please verify that all items listed below are present and in good condition.

- IROK MG68 Max Keyboard
- Keycap Puller
- USB-C Cable (for wired connection and charging)
- 2.4GHz Wireless Receiver
- User Manual (this document)



Figure 2: Overview of the IROK MG68 Max keyboard and its components.

3. Setup Guide

3.1 Charging the Keyboard

The IROK MG68 Max keyboard is equipped with a 10000mAh battery, providing up to 50 hours of continuous use.

- Connect the provided USB-C cable to the keyboard's USB-C port and the other end to a powered USB port on your computer or a wall adapter.
- The keyboard's indicator light will show charging status. Refer to the keyboard's specific LED indicators for full charge notification.



Figure 3: Illustration of the 10,000mAh lithium battery and charging.

3.2 Connectivity Modes

The MG68 Max supports three connectivity modes: USB-C wired, 2.4GHz wireless, and Bluetooth 5.0.

1. **USB-C Wired Mode:**
    - Connect the USB-C cable directly from the keyboard to your computer.
    - The keyboard will be automatically recognized and ready for use. This mode supports an 8KHz polling rate.
2. **2.4GHz Wireless Mode:**

- Insert the 2.4GHz wireless receiver into an available USB port on your computer.
- Switch the keyboard to 2.4GHz mode (refer to keyboard's physical switch or function key combination).
- The keyboard should connect automatically. This mode also supports an 8KHz polling rate.

3. **Bluetooth 5.0 Mode:**
    - Switch the keyboard to Bluetooth mode (refer to keyboard's physical switch or function key combination).
    - On your computer or device, enable Bluetooth and search for new devices.
    - Select "IROK MG68 Max" from the list of available devices to pair.



Figure 4: Visual representation of the keyboard's tri-mode connectivity options.

4. Operating Instructions

4.1 Key Features

- **65% Layout & Full Aluminum Alloy Body:**Compact design saving desktop space, combined with a durable and stable aluminum alloy construction.



Figure 5: The full aluminum alloy CNC body of the IROK MG68 Max keyboard.

- **Advanced Magnetic Switches:** Utilizes Hall effect for keystroke recording, offering 0.01mm precision and a new generation GTURBO magnetic switch algorithm for improved gaming efficiency.



Figure 6: Illustration of the magnetic switches with "Mix" function for personalized usage.

- **Customizable Keystroke Travel & Low Latency:** Each key can be adjusted from 0.01mm to 3.5mm, with a polling rate of 8KHz and latency as low as 0.125ms for a zero-perception delay.



Figure 7: The keyboard boasts latency as low as 0.125ms.



Figure 8: Full-range 0.01mm precision for rapid actuation and instant stopping.

- **KME Function:** A quick tap mode similar to SODC and ST functions, allowing the keyboard to prioritize the last input between two selected keys without releasing the previous key, enhancing response time.
- **Customizable ARGB Backlight:** Offers 16.8 million colors with independent IC 500Hz high refresh rate LED lights for better lighting effects and eye protection.



Figure 9: The ARGB backlit keyboard with 500Hz refresh rate for vibrant lighting.

4.2 Driver Software

The IROK MG68 Max supports web driver and one-stop HUB driver for easy operation and management, reducing tedious installation steps.

- To download the official driver, please visit the IROK official website:www.irok.cc.
- The driver allows for customization of keystroke travel, RGB lighting effects, and other advanced settings.

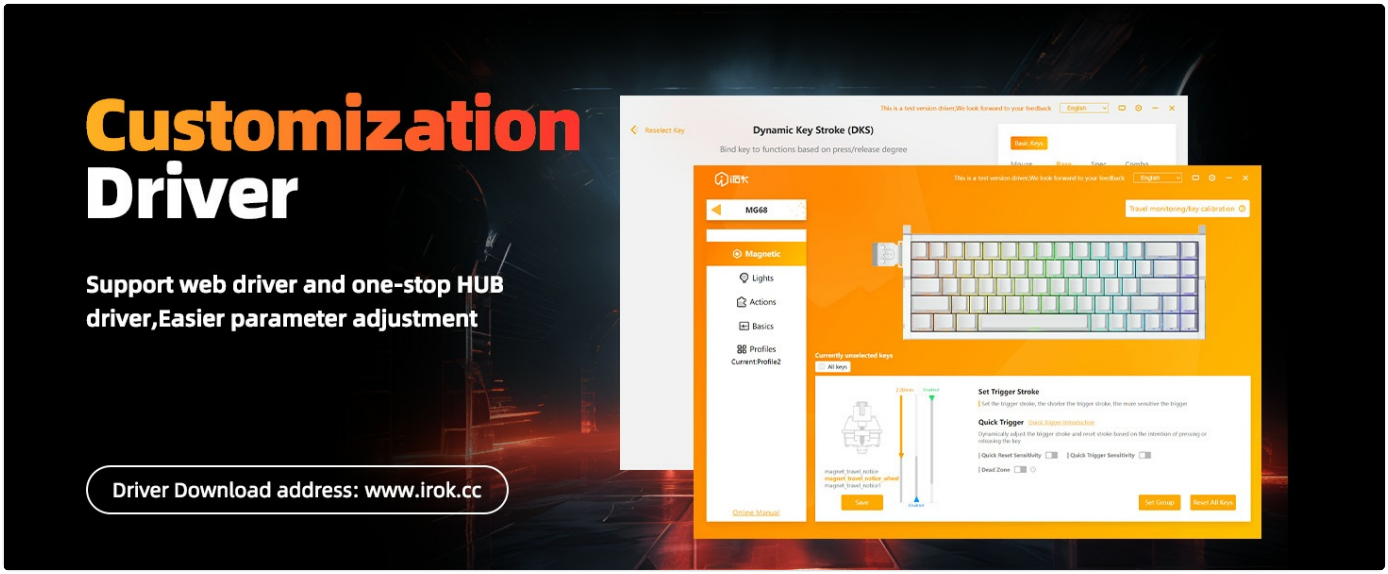


Figure 10: Screenshot of the customization driver interface for the IROK MG68 Max.

5. Maintenance

5.1 Cleaning

To maintain the keyboard's appearance and functionality:

- Use a soft, lint-free cloth to wipe the surface of the keyboard.
- For dust and debris between keycaps, use compressed air.
- For stubborn stains, dampen the cloth slightly with water or a mild cleaning solution, ensuring no liquid enters the keyboard.
- Always disconnect the keyboard before cleaning.

5.2 Hot-Swappable Switches and Keycaps

The IROK MG68 Max features hot-swappable magnetic switches and replaceable keycaps, allowing for easy customization and maintenance without soldering.

- **Removing Keycaps:** Use the provided keycap puller to gently lift keycaps straight up.
- **Removing Switches:** Once the keycap is removed, use a switch puller (not included, but compatible with magnetic switches) to carefully remove the switch.
- **Installing Switches/Keycaps:** Align the new switch/keycap with the socket/stem and press down firmly until it clicks into place. Ensure proper alignment to avoid bending pins (for switches).

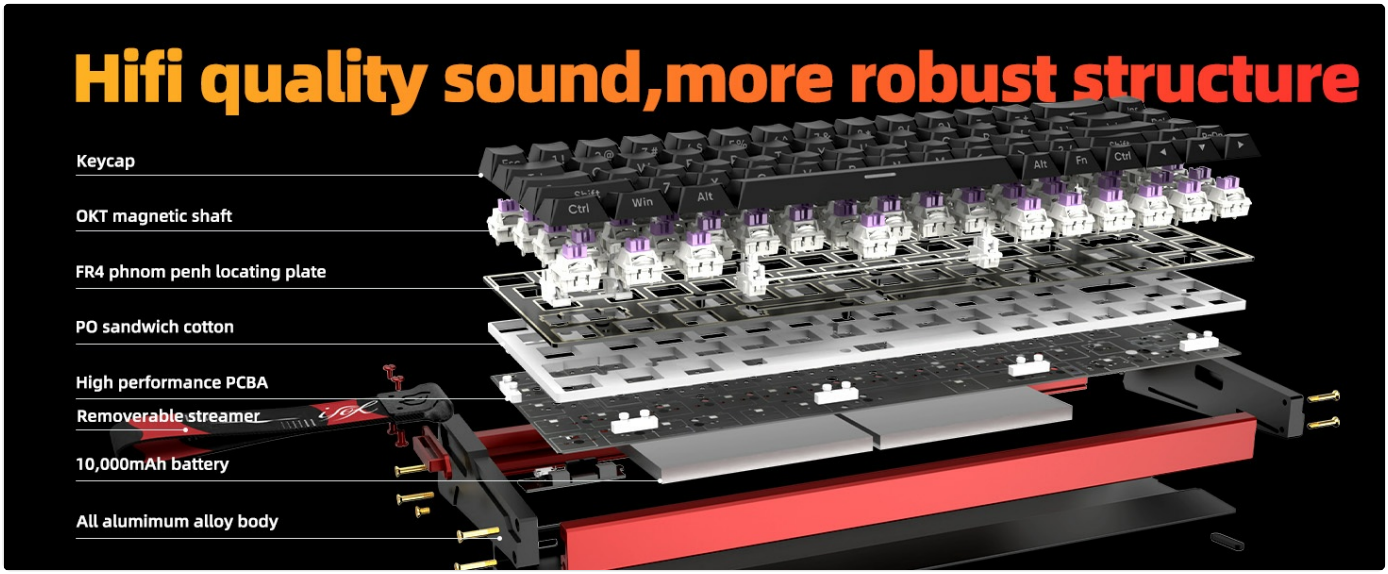


Figure 11: Exploded view showing the internal components and hot-swappable nature of the keyboard.

6. Troubleshooting

Problem	Possible Cause	Solution
Keyboard not responding (Wired)	Loose cable connection; faulty USB port; driver issue.	Ensure USB-C cable is securely connected. Try a different USB port. Reinstall or update the keyboard driver from the official IROK website.
Keyboard not responding (Wireless 2.4GHz)	Receiver not plugged in; keyboard not in 2.4GHz mode; low battery.	Ensure 2.4GHz receiver is plugged in. Switch keyboard to 2.4GHz mode. Charge the keyboard.
Keyboard not responding (Bluetooth)	Bluetooth not enabled on device; keyboard not in pairing mode; interference; low battery.	Enable Bluetooth on your device. Put keyboard in Bluetooth pairing mode. Move closer to the device. Charge the keyboard. Re-pair the device.
Backlight not working or dim	Backlight turned off; brightness set too low; software issue.	Check keyboard function keys for backlight control (e.g., Fn + arrow keys). Adjust brightness. Use the driver software to configure backlight settings.
Specific key not working	Faulty switch; debris under keycap; keycap not properly seated.	Remove keycap and check for debris. Re-seat the keycap. If hot-swappable, try replacing the switch with a known working one.
Spacebar or other large key feels stuck or unresponsive	Stabilizer issue; obstruction under keycap.	Carefully remove the keycap and inspect the stabilizers. Ensure there are no plastic obstructions or debris preventing full travel. Re-seat the keycap ensuring it aligns with the stabilizers.
Driver software issues / Malware warning	Corrupted download; unofficial source.	Always download driver software exclusively from the official IROK website (www.irok.cc) to ensure authenticity and safety. Use reputable antivirus software.

7. Specifications

Feature	Detail
Model	MG68 Max
Layout	65% TKL
Body Material	Full Aluminum Alloy
Connectivity	USB-C Wired (8KHz), 2.4GHz Wireless (8KHz), Bluetooth 5.0
Battery Capacity	10000mAh (up to 50 hours continuous use)
Switches	Magnetic Switches (Hot-swappable)
Keystroke Travel	0.01mm to 3.5mm (customizable)
Latency	As low as 0.125ms
Backlight	Customizable ARGB (16.8 million colors, 500Hz refresh rate)
Product Dimensions	12.99 x 4.92 x 1.97 inches
Item Weight	2.2 pounds
Compatible Devices	Laptop, PC



Figure 12: The flagship MCU chip, providing high computing power and speed.

8. Warranty and Support

For warranty information, technical support, or any inquiries regarding your IROK MG68 Max keyboard, please contact IROK customer service or visit the official IROK website.

- Official Website: www.irok.cc
- Refer to the product packaging or official website for specific warranty terms and conditions.

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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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