

IROK MG75PRO

IROK MG75PRO 81 Keys Wired Magnetic Switch Mechanical Keyboard User Manual

Model: MG75PRO | Brand: IROK

1. INTRODUCTION

This manual provides detailed instructions for the IROK MG75PRO 81-key wired magnetic switch mechanical keyboard. Please read this manual thoroughly before using the product to ensure proper setup and operation. This keyboard features advanced magnetic switches, a durable CNC aluminum body, customizable ARGB lighting, and a high polling rate for optimal performance.



Image 1.1: The IROK MG75PRO 81-key mechanical keyboard, showcasing its compact layout and RGB backlighting.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- IROK MG75PRO Mechanical Keyboard
- USB-C Cable
- Keycap Puller
- User Manual (this document)

3. SETUP

3.1 Connecting the Keyboard

1. Locate the USB-C port on the back of the IROK MG75PRO keyboard.
2. Connect one end of the provided USB-C cable to the keyboard.
3. Connect the other end of the USB-C cable to an available USB port on your computer (PC or Laptop).
4. The keyboard will automatically be recognized by your operating system.

3.2 Driver Installation and Customization Software

The IROK MG75PRO supports a Web Driver and a One-stop HUB Driver for advanced customization. These drivers allow for precise adjustment of magnetic switch actuation points, ARGB lighting effects, and key remapping.

- To access the customization software, visit the official IROK website: www.irok.cc.
- Download and install the appropriate driver for your operating system, or use the web-based driver directly.
- Follow the on-screen instructions to complete the installation.

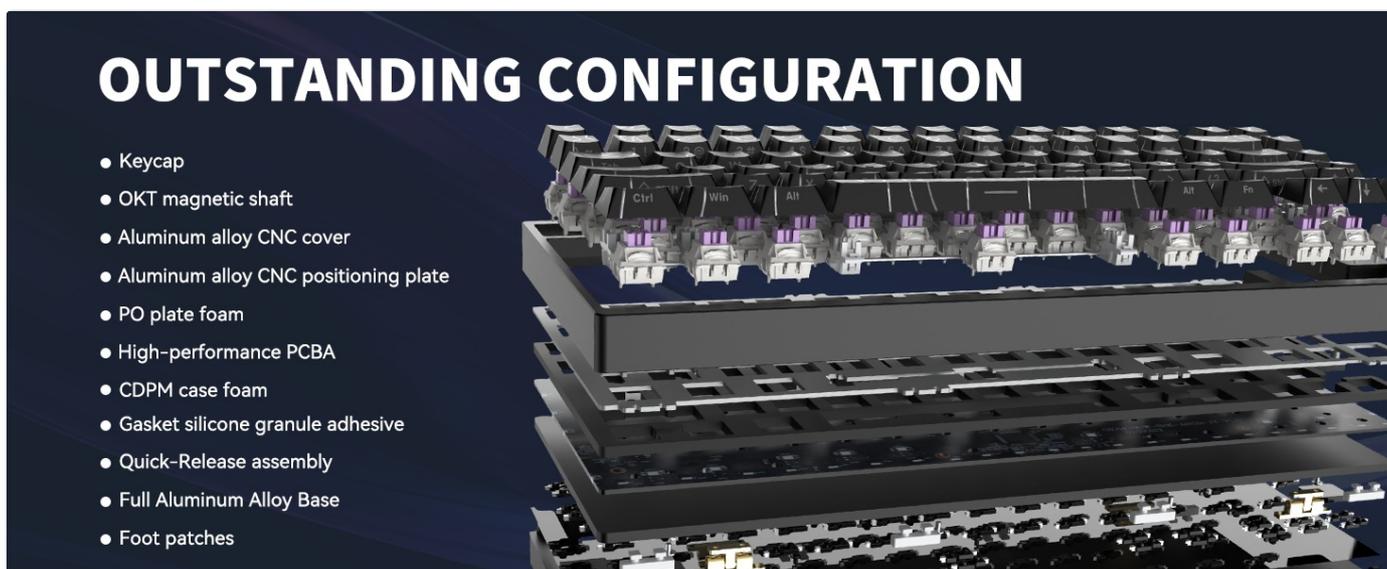


Image 3.1: The IROK customization driver interface, showing options for magnetic switch settings and lighting.

4. OPERATING INSTRUCTIONS

4.1 Basic Keyboard Functions

The IROK MG75PRO functions as a standard 81-key keyboard upon connection. All keys perform their labeled functions by default.

4.2 Magnetic Switch Technology (Hall Effect)

The keyboard utilizes Hall Effect magnetic switches, offering adjustable actuation points and rapid trigger functionality. This allows for precise control and faster response times in gaming and typing.

- **Adjustable Actuation:** Use the customization software to set the actuation point for each key from 0.005mm.
- **Rapid Trigger:** This feature allows a key to register an input immediately upon movement and reset immediately upon release, without needing to return to the full reset point. This can be configured via the software.
- **Polling Rate:** The keyboard supports an 8KHz polling rate, ensuring minimal input delay.
- **Single-Key Scan Rate:** A 256KHz single-key scan rate contributes to the keyboard's responsiveness.

RT:0.005MM & 8KHZ POLLING RATE

 Rapid Trigger

 Swift Actions

 Instant Stop

 Precise Control



Image 4.1: Visual representation of the keyboard's 0.005mm actuation and 8KHz polling rate capabilities.

4.3 ARGB Lighting Customization

The IROK MG75PRO features customizable ARGB backlighting with an independent IC 500Hz high refresh rate. This allows for a wide range of lighting effects and colors.

- Use the customization software to select from various preset lighting modes.
- Adjust brightness, speed, and color patterns to personalize your keyboard's appearance.
- Individual key lighting can also be configured.



Image 4.2: The keyboard displaying its customizable ARGB backlighting.

4.4 "Mix" Function for Switches and Keycaps

The keyboard's design allows for easy replacement of magnetic switches and keycaps without soldering. This "Mix" function provides flexibility for personalization.

- To replace a switch, gently pull the keycap off using the provided keycap puller.
- Then, carefully pull the magnetic switch upwards to remove it.
- Insert a new compatible magnetic switch, ensuring it is properly aligned, and press down until it clicks into place.
- Replace the keycap.

Customization Driver

Support web driver and one-stop HUB driver, Easier parameter adjustment

DRIVER DOWNLOAD ADDRESS: WWW.IROK.CC

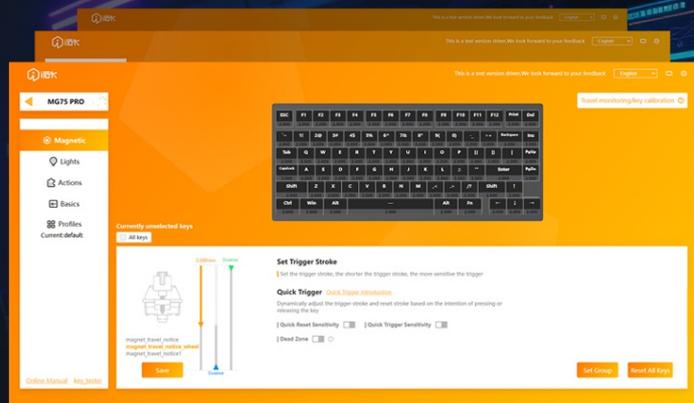


Image 4.3: Illustration of the "Mix" function, demonstrating the hot-swappable magnetic switches.

5. MAINTENANCE

5.1 Cleaning the Keyboard

Regular cleaning helps maintain the keyboard's performance and appearance.

- Disconnect the keyboard from your computer before cleaning.
- Use the provided keycap puller to remove keycaps for thorough cleaning.
- Wipe the keycaps and keyboard surface with a soft, damp cloth. Avoid excessive moisture.
- Use compressed air to remove dust and debris from between the keys and switches.
- Ensure all components are dry before reattaching keycaps and reconnecting the keyboard.

5.2 Disassembly for Advanced Maintenance

The IROK MG75PRO features a DIY design that allows for complete disassembly in approximately 3 seconds without special tools. This facilitates deeper cleaning or modification.

- Refer to the product's structural diagrams or online resources for detailed disassembly steps.
- Exercise caution when disassembling to avoid damaging internal components.
- Reassemble carefully, ensuring all parts are correctly aligned and secured.

8000 POLLING RATE ACHIEVES A FASTER RESPONSE



6. TROUBLESHOOTING

If you encounter issues with your IROK MG75PRO keyboard, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Keyboard not responding	Loose USB connection, driver issue, faulty USB port.	Ensure the USB-C cable is securely connected to both the keyboard and the computer. Try connecting the keyboard to a different USB port on your computer. Restart your computer. Reinstall the keyboard drivers from www.irok.cc .
Keys not registering or double-typing	Incorrect actuation point setting, debris under keycap/switch, switch malfunction.	Check the actuation point settings in the customization software. Adjust if necessary. Remove the keycap and switch, clean any debris, and reinsert. If a specific switch is faulty, replace it using the "Mix" function.
ARGB lighting not working or incorrect	Software settings, power issue.	Verify lighting settings in the customization software. Ensure the keyboard is receiving sufficient power (try a different USB port). Update or reinstall the keyboard drivers.

7. SPECIFICATIONS

Feature	Detail
Model	MG75PRO
Layout	81 Keys (75% TKL)
Switch Type	Magnetic (Hall Effect)
Connectivity	Wired USB-C
Polling Rate	8KHz
Single-Key Scan Rate	256KHz
Latency	As low as 0.125ms
Actuation Point	Adjustable from 0.005mm
Body Material	CNC Aluminum Alloy
Structure	Gasket Mounted
Backlighting	Customizable ARGB (500Hz refresh rate)

Feature	Detail
Dimensions (L x W x H)	12.7 x 5.75 x 1.7 inches
Weight	3.63 pounds
Compatible Devices	Laptop, PC

8. WARRANTY AND SUPPORT

IROK products are designed for durability and performance. For warranty information, technical support, or to download the latest drivers and software, please visit the official IROK website:

www.irok.cc

Please retain your proof of purchase for warranty claims.