IROK MG75Max

IROK MG75MAX 81-Key Wired Magnetic Switch Keyboard User Manual

Model: MG75Max | Brand: IROK

1. PRODUCT OVERVIEW

The IROK MG75MAX is an 81-key wired magnetic switch keyboard designed for performance and durability. It features a compact 75% TKL layout, advanced magnetic switches, and customizable ARGB lighting. The keyboard is constructed with an aluminum alloy body and includes PCB nano-coating for water resistance.

Image 1.1: The IROK MG75MAX keyboard showcasing its 81-key layout and vibrant RGB backlighting.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- IROK MG75MAX Keyboard
- USB Cable (for connectivity)
- Keycap Puller (for switch and keycap replacement)

3. Setup Guide

3.1 Initial Connection

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

3.2 Driver Installation

The IROK MG75MAX supports a proprietary Web Driver and a One-stop HUB Drive for customization and management. For optimal performance and access to advanced features, it is recommended to install the driver software.

- Visit the official IROK website at WWW.IROK.CC to download the latest driver software.
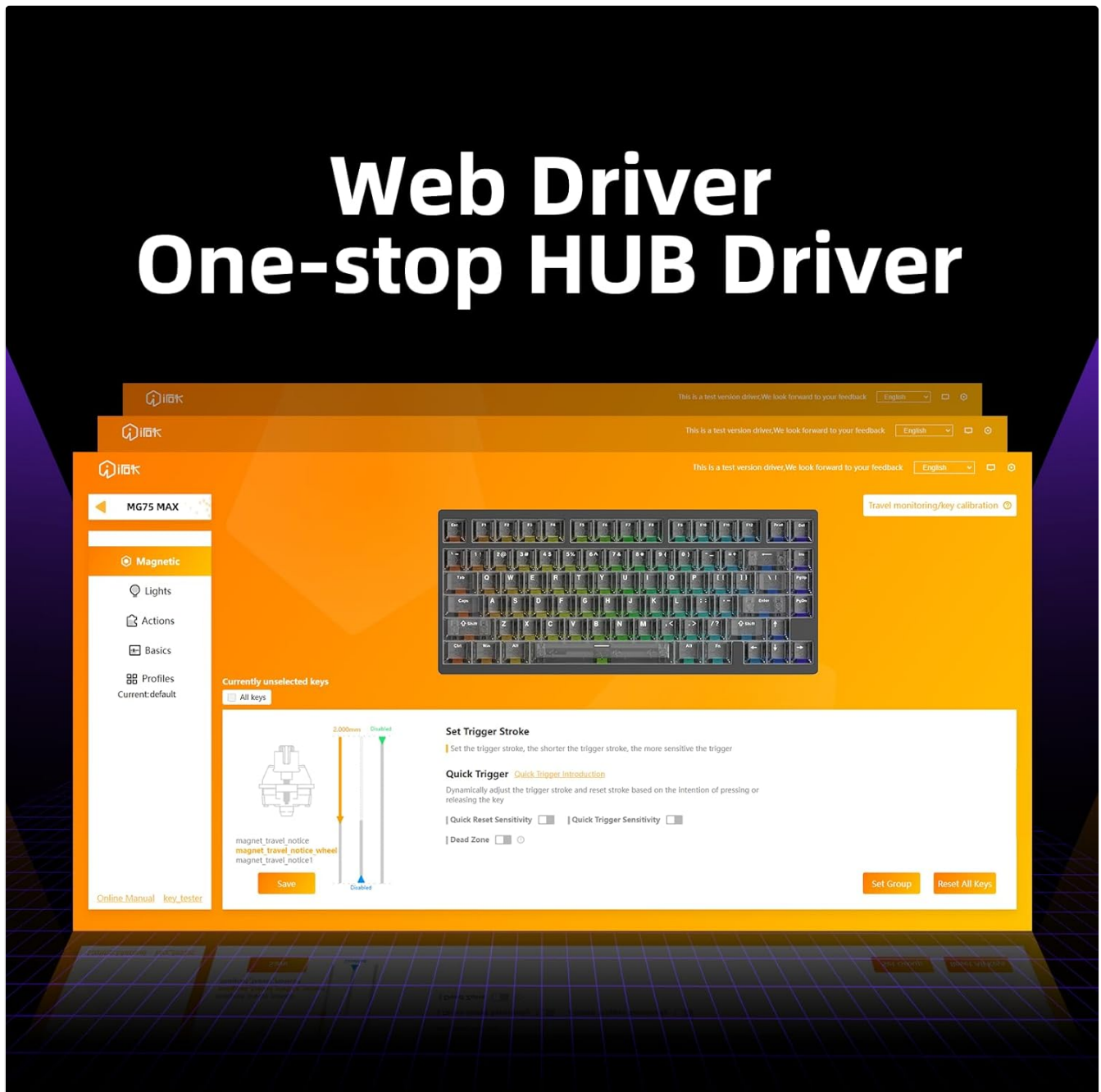- Follow the on-screen instructions to complete the installation.

Image 3.1: The customization driver interface, allowing for parameter adjustments and profile management.

4. OPERATING INSTRUCTIONS

4.1 Magnetic Switches and Performance

The MG75MAX keyboard is equipped with advanced magnetic switches, featuring a second-generation GTURBO magnetic axis algorithm and a high-speed flagship MCU. This configuration provides a 256KHz single-key scan rate, a response time (RT) of 0.001mm, and a step accuracy of 0.001mm, ensuring a stable and smooth typing and gaming experience with latency as low as 0.125ms and an 8KHz polling rate.

Image 4.1: Detail of the keyboard keys, illustrating the high single-key scan rate for precise input.

Image 4.2: The keyboard in use, emphasizing its 8KHz polling rate for rapid and precise control.

4.2 Customizable ARGB Lighting

The keyboard features customizable ARGB lighting with an independent IC 500Hz high refresh rate lamp. This provides rich color options for a personalized typing environment, offering enhanced visual effects and improved eye comfort.

Image 4.3: The keyboard illuminated with customizable ARGB backlighting, showcasing various color options.

4.3 DIY Design and Switch Replacement

The MG75MAX keyboard is designed for easy customization. It supports complete disassembly in approximately 3 seconds without the need for tools. The 'Mix' function allows for free replacement of magnetic switches and keycaps, providing a hot-swappable experience without soldering. This enables users to achieve a personalized typing feel and sound.
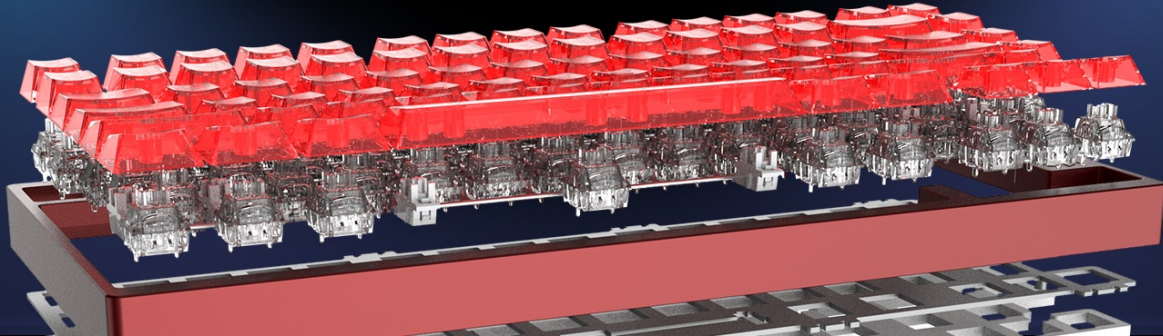
Image 4.4: An exploded diagram illustrating the keyboard's modular design, allowing for quick and tool-free disassembly.

Image 4.5: A detailed view of the magnetic switches, demonstrating the 'Mix' function for easy replacement and customization.

5. MAINTENANCE

5.1 Water Resistance

The IROK MG75MAX keyboard features a PCB nano-coating, which provides high water resistance. This coating protects against accidental spills, rain, and humidity, reducing the risk of liquid damage and short circuits. While the keyboard is water-resistant, it is not fully waterproof. Avoid submerging the keyboard in liquids.

Image 5.1: The keyboard with water droplets, demonstrating its PCB nano-coating for enhanced water resistance.

5.2 General Cleaning

- Disconnect the keyboard from your computer before cleaning.
- Use a soft, dry cloth to wipe the surface of the keyboard.
- For stubborn dirt, lightly dampen the cloth with water or a mild cleaning solution. Avoid harsh chemicals.
- Use the provided keycap puller to remove keycaps for deeper cleaning of the switches and plate.

6. TROUBLESHOOTING

6.1 Keyboard Not Responding

- Ensure the USB cable is securely connected to both the keyboard and the computer.
- Try connecting the keyboard to a different USB port on your computer.
- Test the keyboard on another computer to determine if the issue is with the keyboard or the original computer.

- Restart your computer.

6.2 Lighting Issues

- Check the driver software for lighting settings and ensure ARGB is enabled and configured correctly.
- Ensure the keyboard is receiving sufficient power from the USB port.

6.3 Key Input Problems

- If a specific key is not registering, remove the keycap and inspect the magnetic switch for any obstructions or damage.
- If using the 'Mix' function, ensure the magnetic switch is properly seated.
- Update the keyboard's driver software to the latest version.

7. SPECIFICATIONS

Feature	Detail
Model Number	MG75Max
Layout	81 Keys (75% TKL)
Connectivity	Wired (USB-C)
Switch Type	Magnetic Switches (Hall Effect)
Scan Rate	256KHz Single-key Scan Rate
Polling Rate	8KHz
Latency	As low as 0.125ms
Backlighting	ARGB (500Hz High Refresh Rate)
Material	CNC Aluminum Alloy Body
Water Resistance	PCB Nano-coating Waterproof
Dimensions	12 x 5.3 x 1.6 inches (30.48 x 13.46 x 4.06 cm)
Weight	3.32 pounds (1.51 kg)
Compatible Devices	Laptop, PC
Special Features	Backlit, Customizable Display Keys, Ergonomic, Hot-Swappable, Water Resistant

8. WARRANTY AND SUPPORT

Specific warranty details for the IROK MG75MAX keyboard are not provided in this manual. Please refer to the warranty information included with your purchase or visit the official IROK website for current warranty policies and support options.

For technical support, driver downloads, or further inquiries, please visit the IROK official website:WWW.IROK.CC.

Related Documents - MG75Max

	[FE75 PRO User Manual - iRok Keyboard](#) User manual for the iRok FE75 PRO keyboard, detailing system requirements, connection modes, key functions, lighting effects, and troubleshooting.