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> MADLIONS MAD 60 HE Rapid Trigger RGB Gaming Keyboard User Manual

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Your guide to setting up, operating, and maintaining your high-performance gaming keyboard.

1. INTRODUCTION

Welcome to the world of high-speed gaming with your new MADLIONS MAD 60 HE Rapid Trigger RGB Gaming Keyboard. This compact 60% mechanical keyboard is engineered for competitive gaming, offering unparalleled responsiveness and customization. This manual will guide you through its features, setup, and maintenance to ensure optimal performance.



Image: The MADLIONS MAD 60 HE Rapid Trigger RGB Gaming Keyboard in black, showcasing its compact layout and RGB backlighting.

2. PACKAGE CONTENTS

Before you begin, please ensure all items are present in your package:

- MAD60 HE Keyboard
- USB Cable
- Keycap Puller
- Keyboard Ribbon

Video: An unboxing video demonstrating the contents of the ZMX MAD60 HE Magnetic Switch Gaming Keyboard package, including the keyboard, USB cable, keycap puller, and keyboard ribbon.

3. SETUP GUIDE

3.1 Connecting the Keyboard

To connect your MADLIONS MAD 60 HE keyboard to your computer:

1. Locate the USB-C port on the keyboard (typically on the top edge).
2. Insert the smaller end of the provided USB-C cable into the keyboard's USB-C port.
3. Insert the larger USB-A end of the cable into an available USB port on your PC or Mac.
4. The keyboard will automatically be recognized by your operating system. No additional drivers are typically needed for basic functionality.

3.2 Initial Setup

Upon successful connection, the keyboard's RGB lighting will illuminate. You can proceed to customize settings via the web driver as detailed in the Operating section.

4. OPERATING YOUR KEYBOARD

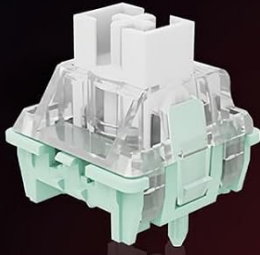
4.1 Key Features

- **60% Compact Layout:** The MAD 60 HE features a space-saving 61-key layout, ideal for gamers and users who prefer a minimalist desk setup. Despite its size, it retains full functionality through key combinations.



Image: Top and bottom view of the MAD 60 HE keyboard, highlighting its compact 60% layout with 61 keys.

- **Rapid Trigger Gaming:** Experience ultra-fast response times with instant key activation and deactivation, minimizing travel distance. This feature is particularly beneficial for FPS, music, and rhythm games.
- **Hall Effect Adjustable Magnetic Switches:** Equipped with high-performance magnetic switches, offering precise and accurate typing experiences. Actuation can be customized from 0.08mm to 3.5mm in 0.02mm increments. Press and reset sensitivity can be individually adjusted via software.



Magnetic Po Switches Pro

Speed response E-sports feel

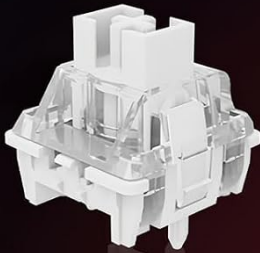
Total travel: $3.8 \pm 0.3\text{mm}$
Initial trigger force: $37 \pm 10\text{gf}$
Switch Life: 100 million times



Gateron Magnetic Switches Pro

Performance upgrade, precise trigger

Total travel: $3.5 \pm 0.2\text{mm}$
Initial trigger force: $30 \pm 10\text{gf}$
Switch Life: 100 million times



Kunlun Magnetic Switches

Extreme touch, bottom HIFI sound

Total travel: $3.8 \pm 0.3\text{mm}$
Initial trigger force: $37 \pm 10\text{g}$
Switch Life: 100 million times

Image: A close-up view of a magnetic switch on the MADLIONS keyboard, showing its internal structure.

- **8K Hz Hyper-Polling Rate:** Achieve a high polling rate of 8000 Hz, which significantly increases accuracy and minimizes keyboard input latency, providing a competitive edge.
- **DKS/MT/TGL Technology:** This advanced technology supports dynamic functionality based on key travel, tap/hold, or release distance, eliminating the limitations of traditional macros.
- **South-Facing LEDs & 16.8M RGB Backlight:** The keyboard features south-facing LEDs for vibrant illumination and supports 16.8 million customizable RGB colors.



Image: The MADLIONS MAD 60 HE keyboard displaying its customizable RGB backlighting, illuminating the keys.

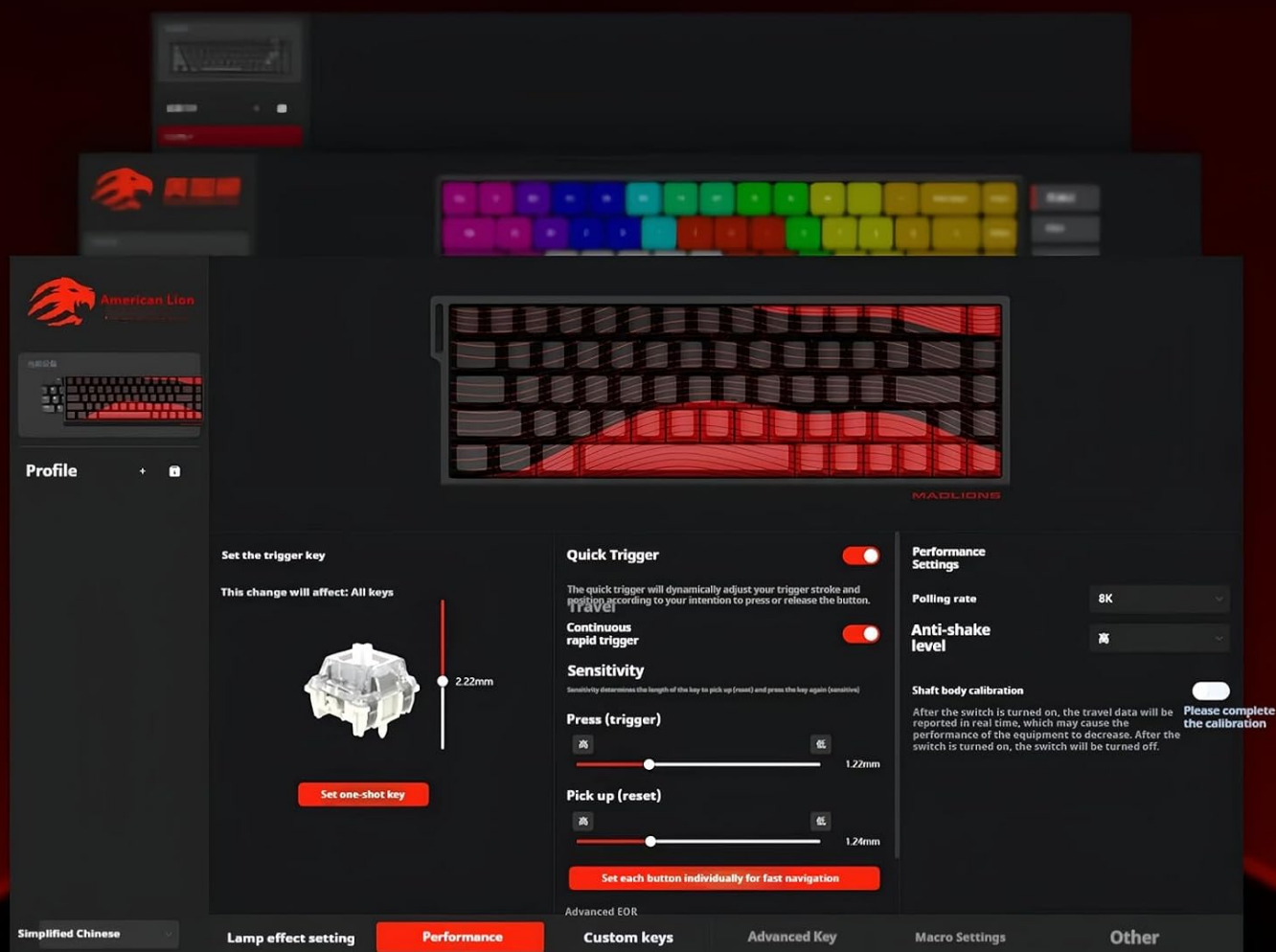
- **PBT Doubleshot Keycaps:** The durable PBT keycaps are side-printed with translucent characters, ensuring longevity and allowing the RGB lighting to shine through effectively.

4.2 Customization and Software

The MADLIONS MAD 60 HE keyboard offers extensive customization through its web-based driver. This eliminates the need for software downloads and is compatible with both Windows and Mac operating systems.

- **Accessing the Web Driver:** Visit <https://www.fgg.com.cn> to access the customization interface.
- **Customization Options:** Within the web driver, you can personalize individual key functions, adjust Rapid Trigger settings, create key combinations, set up macros, and reassign keys. You can also fine-tune RGB lighting effects and colors.

Custom Software



Drive Address: <https://www.fgg.com.cn>

Image: A screenshot of the web-based customization software for the MADLIONS keyboard, showing options for trigger adjustment, key remapping, and macro settings.

5. MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your MADLIONS MAD 60 HE keyboard, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the keyboard with a soft, dry cloth. For deeper cleaning, use a keycap puller to remove keycaps and clean dust and debris from beneath. A can of compressed air can be used to blow out dust.
- **Avoid Liquids:** Keep liquids away from the keyboard to prevent damage to the internal components.
- **Storage:** When not in use, store the keyboard in a clean, dry environment away from direct sunlight or extreme temperatures.
- **Cable Care:** Avoid bending or crimping the USB-C cable excessively to prevent internal wire damage.

6. TROUBLESHOOTING COMMON ISSUES

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

Problem	Possible Solution
Keyboard not responding	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. Test the keyboard on another computer to rule out a computer-specific issue.
RGB lighting not working or incorrect	Check the keyboard's web driver settings for lighting configurations. Ensure no conflicting software is running that might override RGB settings. Perform a factory reset if available (refer to web driver documentation).
Keys not registering or double-typing	Clean under the affected keycaps to remove any debris. Check the actuation point settings in the web driver; they might be set too low. Ensure the keyboard firmware is up to date via the web driver.

7. TECHNICAL SPECIFICATIONS

Feature	Detail
Product Dimensions	11.5 x 4.5 x 1.1 inches
Item Weight	1.1 pounds
Model Number	MAD 60 HE
Connectivity Technology	USB-C Wired
Keyboard Description	Rapid Trigger Magnetic Switch Mechanical Keyboard
Number of Keys	61
Backlighting	RGB (16.8 Million Colors), South-Facing LEDs
Polling Rate	8000 Hz
Switch Type	Hall Effect Magnetic Switches
Actuation Point	Adjustable from 0.08mm to 3.5mm
Keycaps	PBT Doubleshot, Side-Printed

Feature	Detail
Compatible Devices	PC, Mac, Laptop, Gaming Console, Projector, Tablet

8. WARRANTY AND SUPPORT

8.1 Warranty Information

Your MADLIONS MAD 60 HE keyboard is covered by a manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions. Retain your proof of purchase for any warranty claims.

8.2 Customer Support

For further assistance, technical support, or inquiries, please visit the official ZMX Store on Amazon or contact their customer service directly. You can find more information and contact details at the [ZMX Store](#).

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