

BOYI MAD 60 HE RGB

BOYI MADLIONS MAD60 HE Rapid Trigger Magnetic Switch Gaming Keyboard User Manual

Model: MAD 60 HE RGB

1. INTRODUCTION

The BOYI MADLIONS MAD60 HE is a 60% RGB mechanical gaming keyboard featuring advanced magnetic switches with rapid trigger technology. Designed for competitive gaming, it offers adjustable actuation points, an 8K polling rate for ultra-fast response, and durable PBT keycaps. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your keyboard.

2. PACKAGE CONTENTS

Upon unboxing your MADLIONS MAD60 HE keyboard, please verify that all the following items are included:

- MADLIONS MAD60 HE Gaming Keyboard
- USB Type-C Cable
- Personalized Ribbon
- Keycap Puller
- Switch Puller
- Spare Magnetic Switches
- User Manual (this document)



MAD 60/68 HE Rapid Trigger Magnetic Switch Gaming Keyboard



Magnetic Switch



Tunable Rapid Trigger



8KHz Polling Rate



60% Compact Layout



DKS Dynamic Keystroke



Gradient Translucent Keycaps



RGB Backlight



FPS Gamer's Choice



Custom Driver



Image: Overview of product characteristics and some included accessories.

Video: Unboxing the ZMX MAD60 HE Magnetic Switch Gaming Keyboard, showing the keyboard and accessories.

3. SETUP

3.1 Connecting the Keyboard

The MADLIONS MAD60 HE keyboard connects via a detachable USB Type-C cable. Connect the Type-C end of the cable to the keyboard and the USB-A end to an available USB port on your computer (PC or Mac).

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SERVICE SUPPORT

Image: The MADLIONS MAD60 HE keyboard, highlighting its USB Type-C connection and personalized strap.

3.2 Software Installation and Customization

To unlock the full potential of your MADLIONS MAD60 HE keyboard, including adjustable actuation points, rapid trigger settings, key remapping, macros, and RGB lighting customization, download the official software driver from the manufacturer's website. The software is web-based for convenient access and updates.

- Visit the official website: WWW.FGG.COM.CN
- Download the latest drivers and firmware upgrades.



Image: Screenshot of the custom software interface, showing options for performance, custom keys, and RGB settings.



Image: Illustrates the ease of online customization via web-based software for the keyboard.

4. OPERATING INSTRUCTIONS

4.1 Magnetic Switches and Rapid Trigger

The MAD60 HE features advanced magnetic switches that allow for dynamic keystroke technology, including full-motion analog input. This is particularly beneficial for FPS games, enabling quicker counter-strafing and improved shooting accuracy.

- **Adjustable Actuation:** Customize the actuation point of each key to your preference, from 0.02 mm to 4.0 mm.
- **Rapid Trigger:** This technology allows keys to reset instantly upon release, enabling extremely fast repeated inputs. The RT step distance can be as low as 0.02 mm.

- **8K Polling Rate:** The keyboard supports an 8000Hz polling rate, ensuring near-zero latency control for swift responses.



Image: Comparison illustrating the adjustable trigger and reset areas of magnetic switches versus traditional mechanical switches.



Image: Details on 8000Hz polling rate, PBT shine-through keycaps, and minimum Rapid Trigger step distance.



Image: Emphasizes the 8000Hz polling rate for near-zero latency control.

Video: Demonstrates the rapid trigger functionality and RGB lighting of the MAD 60HE keyboard.

4.2 RGB Lighting

The keyboard features customizable RGB lighting with a 16 million color palette. The lower light position design enhances keycap visibility and provides a visually appealing user experience. Use the dedicated software to adjust lighting effects, brightness, and colors.

Video: Showcases the illuminated features of the MADLIONS MAD 60 HE keyboard, including various RGB lighting modes.

4.3 Compact Layout

The 60% compact layout of the MAD60 HE saves desk space while retaining essential keys for gaming and typing. It is designed for versatility across various uses, from competitive gaming to daily office tasks.

MADLIONS MAD60/68 Magnetic Switch Gaming Keyboard



Image: The MADLIONS MAD60 HE keyboard, highlighting its 60% compact design and RGB lighting.

5. MAINTENANCE

5.1 Cleaning

To maintain the performance and appearance of your keyboard:

- Disconnect the keyboard from your computer before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe the keycaps and chassis.
- Avoid using harsh chemicals or abrasive materials.
- For dust and debris between keys, use compressed air.
- The included keycap puller can be used to remove keycaps for deeper cleaning or switch replacement.

Video: Demonstrates how to change keycaps on the MADLIONS MAD60/68 HE RGB Keyboard, useful for cleaning or customization.

5.2 Switch Replacement

The magnetic switches are designed for durability. If a switch needs replacement, use the provided switch puller to carefully remove the old switch and insert a new one. Ensure the new switch is aligned correctly before pressing it into place.

6. TROUBLESHOOTING

- **Keyboard Not Responding:**
 - Ensure the USB Type-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 system-specific issue.

- **RGB Lighting Not Working/Incorrect:**

- Check the keyboard's software settings to ensure RGB is enabled and configured as desired.
- Ensure the keyboard's firmware is up to date via the official website.

- **Keys Not Registering or Double-Typing:**

- This can sometimes be related to actuation point settings. Adjust the actuation point for the affected keys using the software.
- If a specific switch is faulty, consider replacing it with a spare switch.

- **Software Not Detecting Keyboard:**

- Ensure the keyboard is connected directly to your computer, not through a USB hub.
- Temporarily disable any antivirus or firewall software that might interfere with the driver.
- Reinstall the keyboard software from the official website.

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	11.5"L x 4.3"W x 1.1"H (29.21 x 10.92 x 2.79 cm)
Item Weight	1.1 pounds (0.5 kg)
Manufacturer	MADLIONS
Model Number	MAD 60 HE RGB
Connectivity Technology	Type-C Wired
Keyboard Description	Adjustable Actuation Distance Rapid Trigger Magnetic Switch Gaming Keyboard
Compatible Devices	Gaming Console, Laptop, Mac, PC, Tablet
Special Features	8K Hyper-Polling & Full-motion Analog, Adjustable Actuation Distance & Rapid Trigger, Backlit, Customizable Display Programmable Keys, Dedicated Magnetic Mechanical Switches
Keyboard Backlighting	RGB (16 million colors)
Keycap Material	PBT

8. WARRANTY & SUPPORT

For warranty information and customer support, please contact BOYI Keyboard directly. You can reach them through the following methods:

- **Amazon Store:** Visit the [BOYI Store on Amazon](#) and click "Ask a question" to contact the seller.
- **Email:** Send an email to boyiservice2020@163.com.



Image: Provides contact details for BOYI customer service via Amazon and email.