

## MAGIC-REFINER 68 Keys Mechanical Gaming Keyboard

# MAGIC-REFINER 60% RGB Mini Mechanical Gaming Keyboard Instruction Manual

Model: 68 Keys Mechanical Gaming Keyboard

## 1. INTRODUCTION

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This manual provides detailed instructions for the setup, operation, and maintenance of your MAGIC-REFINER 60% RGB Mini Mechanical Gaming Keyboard. This compact 68-key keyboard is designed for gaming and general use, featuring mechanical blue switches, RGB backlighting, and a detachable USB Type-C cable for portability and convenience. Please read this manual thoroughly to ensure proper use and to maximize your keyboard's performance.



The MAGIC-REFINER 60% RGB Mini Mechanical Gaming Keyboard, showcasing its compact layout and vibrant RGB lighting. A single blue mechanical switch is also shown for detail.

## 2. PACKAGE CONTENTS

Verify that all items are present in the package:

- MAGIC-REFINER 60% RGB Mini Mechanical Gaming Keyboard
- Detachable USB Type-C Cable
- Two Extra Keycaps (Space Bar + ESC key with unique design)

## 3. SPECIFICATIONS

Feature	Detail
Product Dimensions	12.2 x 4.72 x 1.45 inches (30.99 x 11.99 x 3.68 cm)
Item Weight	1.76 pounds (0.8 kg)
Manufacturer	MAGIC-REFINER
Connectivity Technology	USB Type-C (Wired)
Keyboard Description	Mechanical, 68 Keys, 60% Layout
Switch Type	Blue Switches
Backlighting	RGB (18 modes, 8 monochrome, 1 full color)

Feature	Detail
Special Features	Anti-ghosting (68 keys), Waterproof, Dust-proof, Non-slip mat, Removable keycaps
Compatible Devices	PC, Mac, Laptop (Windows / MacOS / Android)
Keycap Type	UV Coated, Two-shot injection
Keystroke Lifespan	60 Million
Trigger Pressure	40±20GF
Keystroke Travel	1.5±0.6MM



An exploded view illustrating the components of a mechanical blue switch, including the UV coated keycap, steady support housing, and tactile dome foundation.

## 4. SETUP

### 4.1 Connecting the Keyboard

1. Locate the detachable USB Type-C cable included in your package.
2. Connect the Type-C end of the cable to the port on the back or side of the keyboard.
3. Connect the standard USB-A end of the cable to an available USB port on your computer (PC, Mac, or laptop).
4. The keyboard is plug-and-play and should be automatically recognized by your operating system. No additional drivers are typically required.



Image showing the USB Type-C port on the keyboard and the detachable cable, highlighting the plug-and-play connection.

## 5. OPERATING INSTRUCTIONS

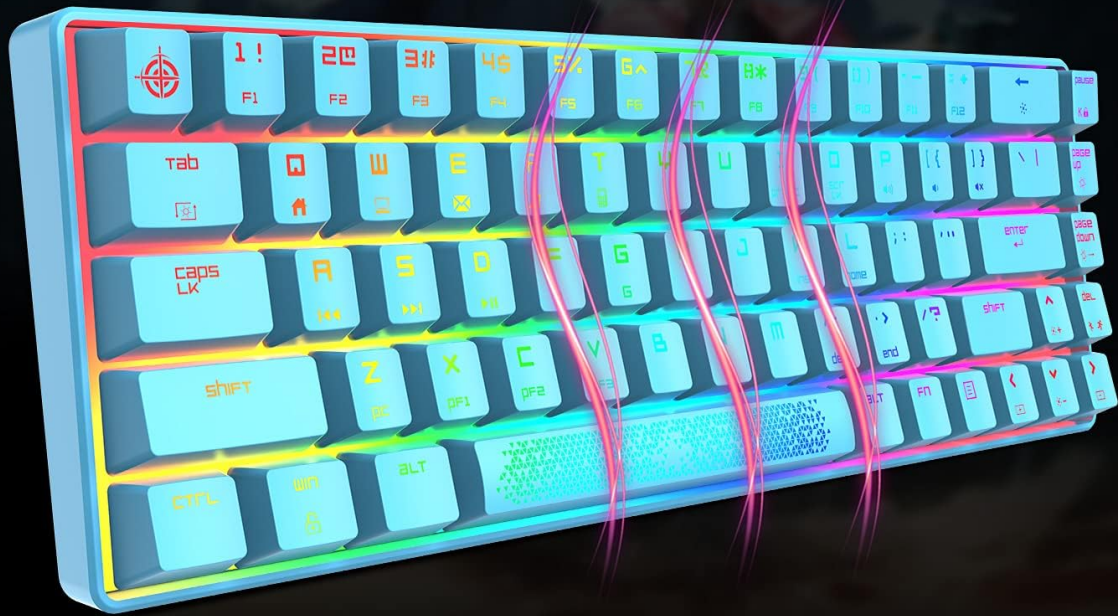
### 5.1 RGB Backlight Control


The keyboard features 18 RGB backlight modes, 8 monochrome modes, and 1 full-color backlight mode. Use the following FN key combinations to control the backlighting:

- **FN + <**: Increase backlight speed.
- **FN + >**: Decrease backlight speed.
- **FN + ↑**: Increase backlight brightness.

- **FN + ↓**: Decrease backlight brightness.
- **FN + ←**: Cycle through backlight modes.
- **FN + →**: Cycle through backlight colors (for certain modes).
- **FN + \**: Turn backlight on/off.
- **First Press FN+G**: Enter game backlight mode (A, S, D, W, ←, ↑, →, ↓ keys light up).

## CHROMA RGB LIGHTING & 18 MODELS



○ FN + ←	= Turn off/on backlight(default turn on); 
○ FN + <	= Backlight speed up; FN + > = Backlight slows down;
○ FN + ^	= Backlight brightness increases;
○ FN + v	= Backlight brightness reduce;
○ First Press FN+G	enter game backlit :A、S、D、W、←、→、↑、↓ LED light turn on

Visual representation of the keyboard's RGB lighting and key combinations for controlling backlight speed, brightness, and modes.

### 5.2 Multimedia Keys and Shortcuts

The keyboard utilizes FN key combinations to access multimedia functions and other shortcuts:

- **FN + Q**: Home page
- **FN + W**: My Computer
- **FN + E**: E-mail
- **FN + R**: Music
- **FN + T**: Calculator
- **FN + Y**: Search
- **FN + U**: Previous Song

- **FN + I:** Play/Pause
- **FN + O:** Next Song
- **FN + P:** Stop
- **FN + [ {:** Volume Down
- **FN + ] }:** Volume Up
- **FN + \|:** Mute
- **FN + Esc:** Restore factory settings
- **FN + Pause:** Lock the keyboard



An overview of the FN key combinations for accessing various multimedia and system shortcuts, including volume control and media playback.

### 5.3 Customization

The keyboard includes two extra keycaps (Space Bar + ESC key with a unique design) allowing for personalized aesthetic customization. These can be swapped with the default keycaps to alter the keyboard's appearance.

# DEFIND THE STYLE OF KEYBOARD



The keyboard displayed with its standard keycaps and an alternative set of keycaps (Space Bar and ESC key) for user customization.

## 5.4 Anti-Ghosting

The keyboard features full 68-key anti-ghosting, meaning all keys can be pressed simultaneously without conflict or missed inputs. This is particularly beneficial for fast-paced gaming and typing.

## 6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your keyboard:

- **Cleaning Keycaps:** Use a keycap puller (not included) to carefully remove keycaps. Clean them with a soft cloth dampened with mild soap and water. Ensure keycaps are completely dry before reattaching.
- **Cleaning the Keyboard Base:** Use compressed air to remove dust and debris from between the switches. A soft brush can also be used. Avoid spraying liquids directly onto the keyboard.
- **Spill Management:** The keyboard is designed to be waterproof. In case of a spill, immediately disconnect the keyboard from your computer, wipe off excess liquid, and allow it to air dry completely before reconnecting.
- **Cable Care:** Handle the detachable USB Type-C cable gently. Avoid sharp bends or excessive pulling to

prevent damage.

## 7. TROUBLESHOOTING

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If you encounter issues with your keyboard, refer to the following common solutions:

- **Keyboard Not Responding:**

- Ensure the USB Type-C cable is securely connected to both the keyboard and your 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.
- Restart your computer.

- **Backlight Not Working or Incorrect:**

- Press **FN + \|** to ensure the backlight is turned on.
- Adjust brightness using **FN + ↑** or **FN + ↓**.
- Cycle through modes using **FN + ←**.
- Perform a factory reset by pressing **FN + Esc**.

- **Keys Not Registering:**

- Ensure no debris is lodged under the keycap or switch.
- If a specific key is consistently failing, it may indicate a faulty switch.

- **Keyboard Locked:**

- If the keyboard is unresponsive, you may have accidentally activated the lock function. Press **FN + Pause** to unlock the keyboard.

## 8. WARRANTY AND SUPPORT

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MAGIC-REFINER products are manufactured to high-quality standards. For specific warranty information, please refer to the documentation included with your purchase or contact the seller directly. If you encounter any issues or have questions regarding your keyboard, please do not hesitate to contact MAGIC-REFINER customer support. We are committed to providing the best service to every customer.