

## MAGIC-REFINER M71

# MAGIC-REFINER M71 Wireless Gaming Keyboard User Manual

Model: M71

Brand: MAGIC-REFINER

## 1. INTRODUCTION

Thank you for choosing the MAGIC-REFINER M71 75% CNC Aluminum Alloy Custom Wireless Gaming Keyboard. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your new keyboard. Please read this manual thoroughly to ensure optimal performance and longevity of your device.

## 2. PRODUCT FEATURES

### 2.1. Triple Mode Wireless Connectivity

The M71 keyboard offers versatile connectivity options, supporting Bluetooth, 2.4G wireless, and traditional wired connections. This allows seamless switching between up to three different wireless devices, making it ideal for multi-device office setups and various gaming scenarios.

# THREE-CONNECTION MODES

Plug and Play, No Need to Drive



Figure 2.1: Triple Connection Modes

## 2.2. All Aluminum Alloy Body and Gasket Structure

Constructed from national standard 6063 aluminum alloy, the M71 keyboard boasts exceptional durability, corrosion resistance, and oxidation resistance. Its gasket-mounted design, combined with three layers of Poron Foam, anti-static IXPE under-axis pad, and PET sound-optimized pads, significantly reduces internal vibrations. This results in a stable, quieter, softer, and more cushioned typing experience.

# ALL ALUMINUM ALLOY BODY

**CNC process forming**

Appearance anodized,  
weight control at about 1.3kg.



**Aluminum has national standard 6063  
certification of professional testing institutions.**

Figure 2.2: All Aluminum Alloy Body

# KEYBOARD GASKET STRUCTURE

Provides elastic cushioning for the keyboard, reduces resonance and reduces emptiness tone, enhance typing solid hand feel.

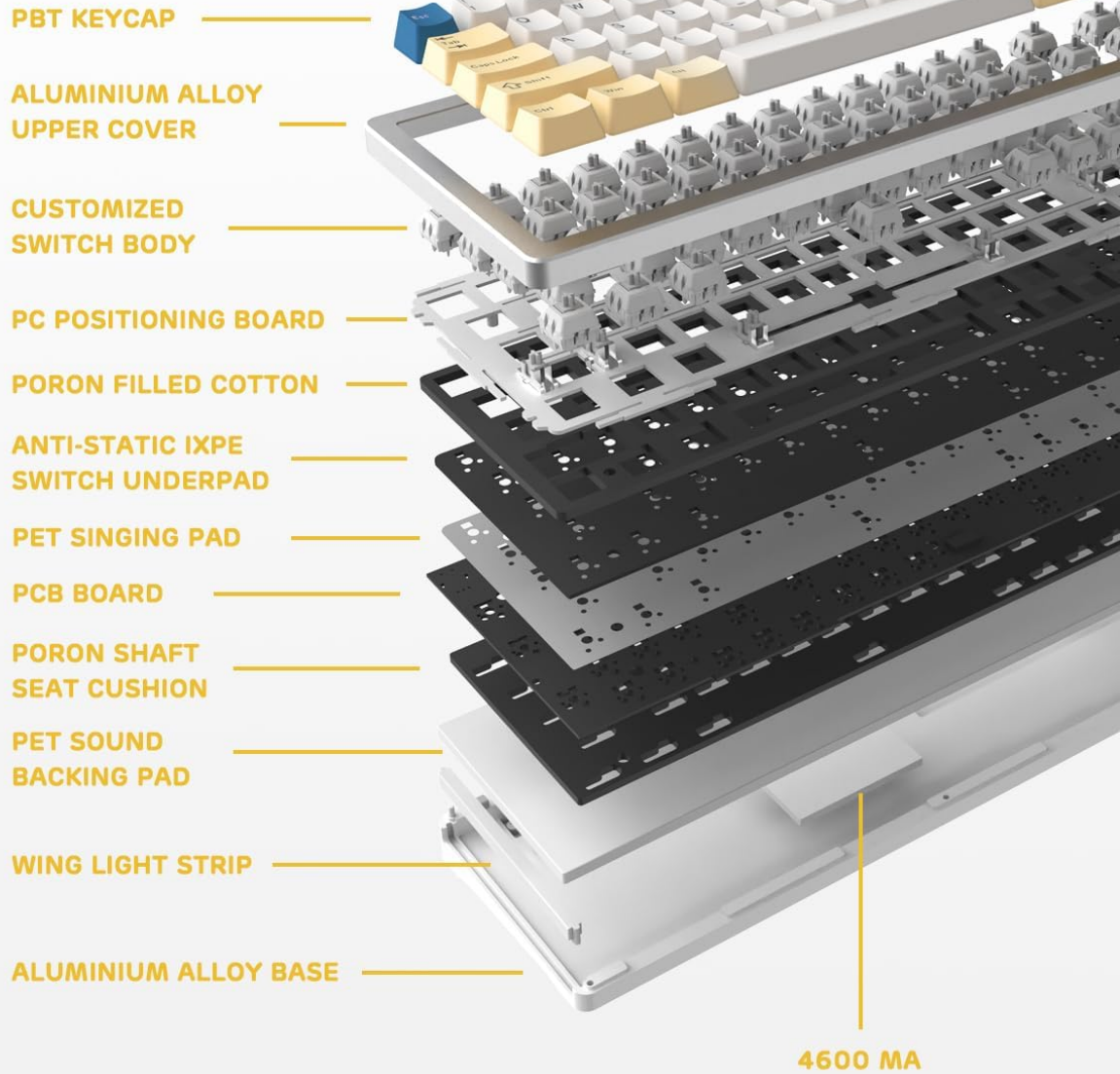


Figure 2.3: Keyboard Gasket Structure Layers

## 2.3. Hot-Swappable TTC Socket and PBT Keycaps

The hot-swappable PCB allows users to easily replace keyboard switches without soldering, supporting 99.9%+ of 3/5-pin switches on the market. The keyboard comes with customized linear white switches, designed for a lifespan of approximately 50 million keystrokes. High-quality PBT keycaps offer superior wear resistance, heat resistance, and fatigue resistance, ensuring clear, uniform backlighting and extended durability.

# HOT SWAPPABLE

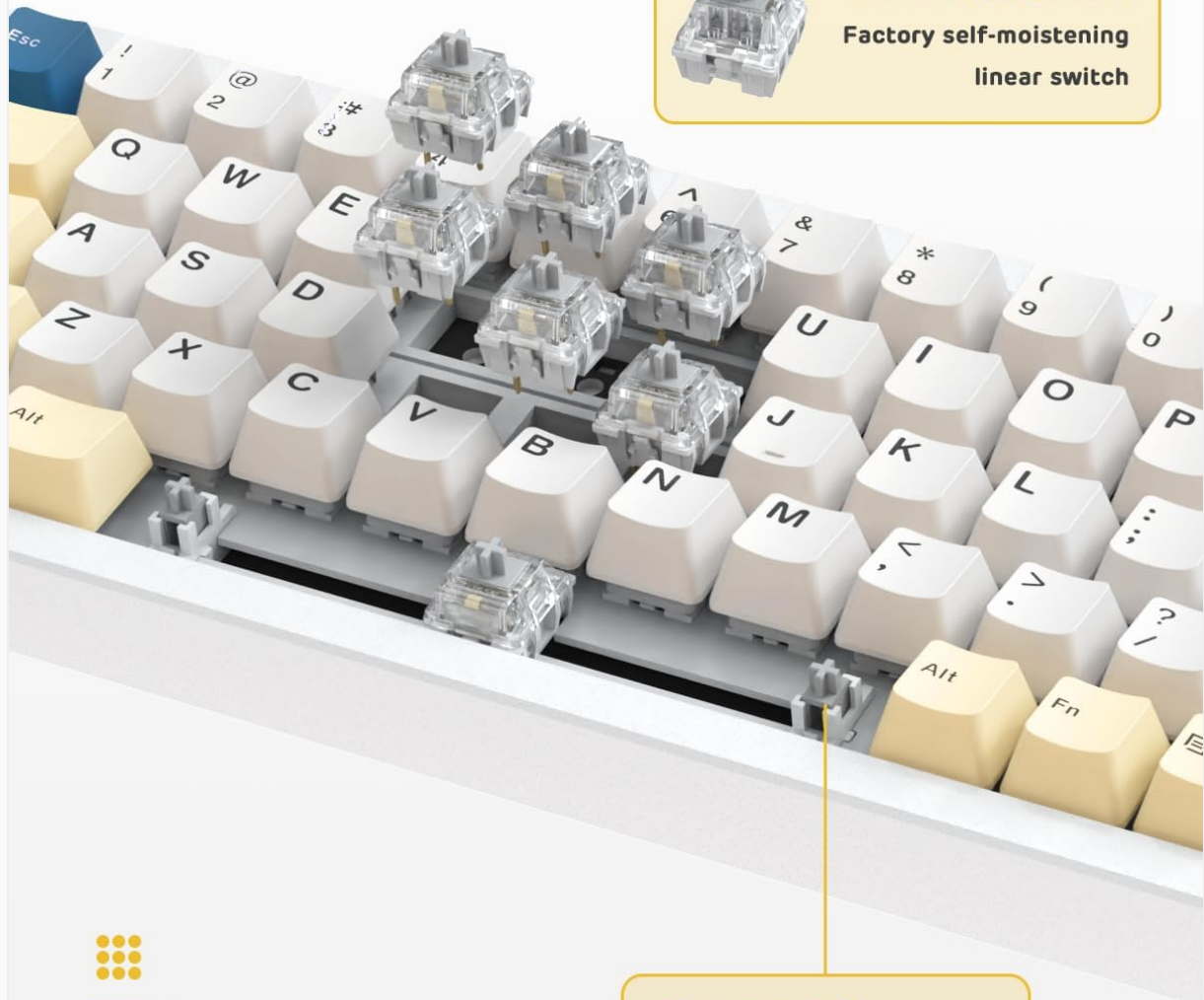
Full key TTC switch seat

Compatible with 3 or 5 pins switches on the market,  
meeting the needs of customized users



**White Jade Switch**

Factory self-moistening  
linear switch



**Satellite Switch**

Make the key more slicky

Figure 2.4: Hot-Swappable Switches

## 2.4. Dynamic Backlit RGB Keyboard

Featuring double-sided RGB lighting and 16.8 million customizable chroma backlight effects, the M71 keyboard allows for a personalized visual experience. Custom software is available for advanced customization, including per-key lighting and macro creation.

## 68% Compact Mechanical Keyboard



71 Keys



### ORIGINAL PBT KEYCAPS

The GMK-like characters are more elaborate



### Double Cool Lighting Effect

Cool RGB backlight effect +  
double flank RGB lights.  
Full display of  
product personality color

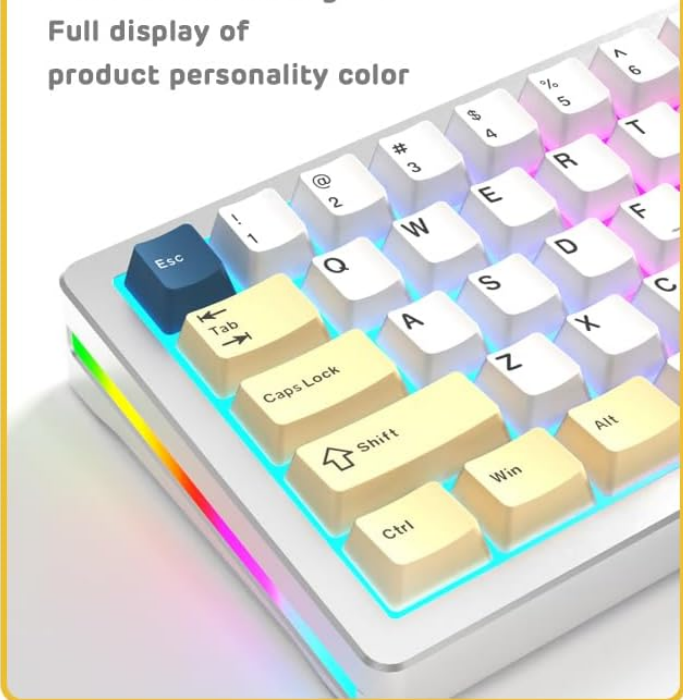


Figure 2.5: Dynamic RGB Backlighting

### 2.5. 4600mAh Extra Large Battery

Equipped with a high-capacity 4600mAh battery, the M71 provides continuous power. In low-power wireless mode, the battery can last up to approximately 15 days, minimizing the need for frequent recharging.

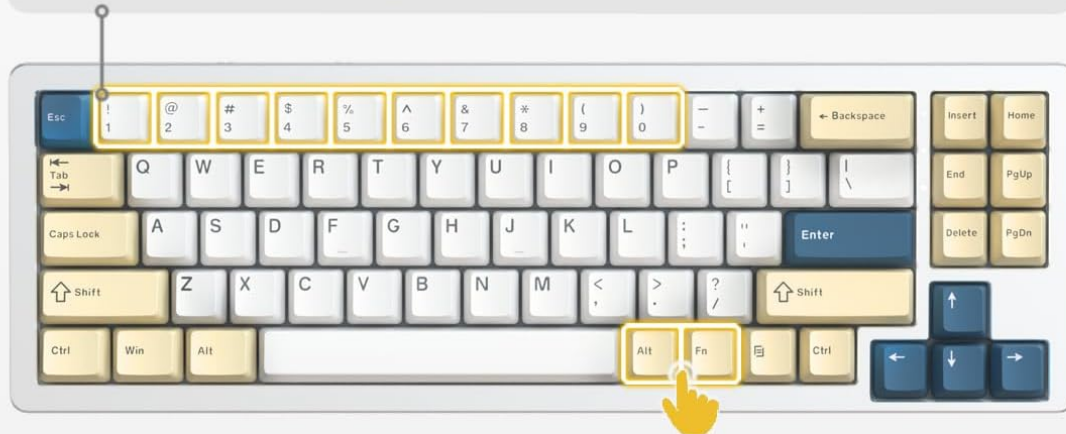
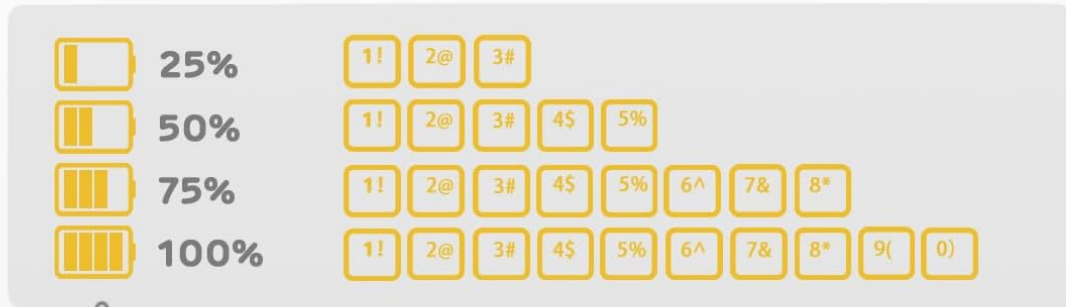
# 4600mAh Large Battery

## Battery Level Reminder

M71  
VISIBLE DURABILITY



Light 1--0 means Power 10%-100%



**Press FN+Alt(R) to check the battery level under wireless mode**  
Battery life in wireless mode up to about 15 days,  
rest assured to play longer

Figure 2.6: 4600mAh Battery and Battery Level Indicator

## 3. SETUP GUIDE

### 3.1. Initial Setup

1. Unpack the keyboard and all accessories from the box.
2. Ensure the keyboard is fully charged before first use for optimal battery life. Connect the included USB-C cable to the keyboard and a power source (e.g., computer USB port, USB wall adapter).

### 3.2. Connecting Your Keyboard

The M71 keyboard supports three connection modes:

- **Wired Mode:** Connect the USB-C cable from the keyboard to your computer's USB port. The keyboard will automatically switch to wired mode.

- **2.4G Wireless Mode:**

1. Locate the 2.4G USB receiver (dongle) usually stored in a compartment on the keyboard.
2. Plug the USB receiver into an available USB port on your computer.
3. Switch the keyboard's mode selector to 2.4G. The keyboard should connect automatically.

- **Bluetooth Mode:**

1. Switch the keyboard's mode selector to Bluetooth.
2. On your computer or device, enable Bluetooth and search for new devices.
3. Select "MAGIC-REFINER M71" (or similar name) from the list of available devices to pair.
4. The keyboard can store up to 3 Bluetooth connections. Refer to the keyboard's specific key combinations (often Fn + 1/2/3) to switch between paired Bluetooth devices.

## 4. OPERATING INSTRUCTIONS

### 4.1. Basic Usage

The M71 keyboard features a 71-key (75%) layout. Standard typing functions operate as expected. For specific functions or multimedia controls, refer to the keycap legends or the manufacturer's software.

### 4.2. RGB Lighting Control

The keyboard offers dynamic RGB backlighting. Use the dedicated function keys (often combined with the Fn key) to cycle through different lighting modes, adjust brightness, and change lighting speed. For advanced customization, including per-key lighting and macro programming, download and install the official custom software from the MAGIC-REFINER website.

### 4.3. Checking Battery Level

In wireless mode, you can check the approximate battery level by pressing **Fn + Alt(R)**. The keyboard's indicator lights or specific key backlights will show the current charge status (e.g., 25%, 50%, 75%, 100%).

### 4.4. Hot-Swapping Switches

To replace a switch:

1. Gently pull the keycap off using the included keycap puller.
2. Use the switch puller to carefully grip the switch and pull it straight up.
3. Align the pins of the new switch with the holes on the PCB.
4. Press the new switch firmly into place until it clicks. Ensure the pins are not bent.
5. Re-attach the keycap.

## 5. MAINTENANCE

- **Cleaning:** Regularly clean the keyboard with a soft, dry cloth. For deeper cleaning, remove keycaps and use compressed air to clear debris. Avoid using harsh chemicals or abrasive materials.
- **Battery Care:** To prolong battery life, avoid fully discharging the keyboard frequently. Store the keyboard in a cool, dry place when not in use for extended periods.
- **Keycap and Switch Handling:** When removing or installing keycaps and switches, apply gentle, even pressure to prevent damage to the components or the PCB.

## 6. TROUBLESHOOTING

- **Keyboard not responding:**

- Ensure the keyboard is charged.
- Check the connection mode (wired, 2.4G, Bluetooth) and ensure it matches your device's connection.
- For 2.4G, ensure the USB dongle is securely plugged in.
- For Bluetooth, re-pair the device if necessary.
- Try connecting the keyboard to a different USB port or computer to rule out port/computer issues.

- **Keys not registering or double-typing:**

- This could indicate a faulty switch. Try hot-swapping the problematic switch with a known working one or a spare.
- Ensure the switch is fully seated in its socket.

- **RGB lighting not working:**

- Check if the lighting is turned off or set to minimum brightness using the keyboard's function keys.
- Ensure the keyboard firmware is up to date.

- **Battery not charging:**

- Try a different USB-C cable or charging port/adaptor.
- Ensure the cable is securely connected to both the keyboard and the power source.

## 7. SPECIFICATIONS

Feature	Description
Model	M71
Keyboard Layout	71 keys (75% mechanical keyboard)
Keyboard Material	National standard 6063 aluminum alloy
Product Dimensions	13.8 x 4.5 x 1.18 inches
Item Weight	3.52 pounds
Connectivity Technology	Bluetooth, 2.4G Wireless, Wired (USB-C)
Battery Capacity	4600mAh
Keycaps	High-quality PBT
Switches	Hot-swappable TTC Socket, Customized Linear White Switch
Backlight	Dynamic RGB (16.8 million colors)
Compatible Devices	PC, Windows, Mac

## 8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official MAGIC-REFINER website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.