

BOYI GMK67

BOYI GMK67 65% Mechanical Keyboard User Manual

Model: GMK67

Introduction	Package Contents	Product Features	Setup & Connectivity	Key Functions & RGB	Hot-
	Swapping	Maintenance	Troubleshooting	Specifications	Support

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your BOYI GMK67 65% Mechanical Keyboard. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

2. PACKAGE CONTENTS

Ensure all items listed below are present in your package:

- BOYI GMK67 65% Mechanical Keyboard
- USB-C to USB-A Cable
- 2-in-1 Keycap and Switch Puller
- Spare Mechanical Switches (4 pieces)
- 2.4G Wireless Receiver (USB Dongle)
- User Manual (this document)

3. PRODUCT FEATURES

The BOYI GMK67 keyboard is designed with advanced features for a superior typing and gaming experience:

- **65% Compact Layout:** Optimized for space-saving without sacrificing essential keys.
- **Full CNC Aluminum Alloy Case:** Provides durability and a premium feel.
- **Gasket Mount Design:** Enhances typing comfort and sound profile.
- **Tri-Mode Connectivity:** Supports Wired (USB-C), 2.4G Wireless, and Bluetooth 5.0 connections.
- **Hot-Swappable PCB:** Compatible with 3-pin and 5-pin mechanical switches, allowing for easy customization without soldering.
- **South-Facing RGB Backlight:** Offers vibrant and customizable lighting effects.
- **4000mAh Rechargeable Battery:** Ensures extended wireless usage.

- **Pre-lubed Stabilizers:** Reduces rattle and improves key feel for larger keys.
- **PBT Double-Shot Keycaps:** Durable keycaps with legends that resist fading.
- **Multi-function Knob:** Controls volume and RGB backlight settings.



Image: Overview of BOYI GMK67 features including its full CNC aluminum case and gasket structure.

Programmable South-Facing RGB keyboard

RGB 14+

Backlit Effect

 A 65% layout mechanical keyboard with custom RGB lighting. The keyboard is black with white keycaps. The lighting is shown in various colors (red, green, blue, yellow, purple). The dimensions are 325.6mm x 114mm x 31mm +2mm.

16.8 million

Turn on/off RGB

RGB effect switch

RGB color switch

Image: The 65% layout of the BOYI GMK67 mechanical keyboard with custom RGB lighting.

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Video: Overview of the BOYI GMK67 keyboard's design and features.

4. SETUP & CONNECTIVITY

The BOYI GMK67 keyboard offers three connection modes:

4.1 Wired Connection (USB-C)

1. Locate the USB-C port on the left side of the keyboard.
2. Connect the provided USB-C cable to the keyboard and the other end to your computer's USB port.
3. Ensure the mode switch on the side of the keyboard is set to "Wired" (usually indicated by a cable icon or specific position).
4. The keyboard will be automatically recognized by your system.

4.2 2.4G Wireless Connection

1. Locate the 2.4G wireless receiver (USB dongle) in the package.
2. Plug the 2.4G receiver into an available USB port on your computer.
3. Set the mode switch on the side of the keyboard to "2.4G" (usually indicated by a wireless icon or specific position).
4. The keyboard should automatically connect. If not, press **FN + R** simultaneously to initiate pairing.

4.3 Bluetooth 5.0 Connection

1. Set the mode switch on the side of the keyboard to "Bluetooth" (usually indicated by a Bluetooth icon or specific position).
2. On your device (computer, tablet, smartphone), enable Bluetooth and search for new devices.
3. To enter pairing mode, press and hold **FN + Q**, **FN + W**, or **FN + E** for 3-5 seconds. The corresponding key's backlight will flash rapidly, indicating it's ready to pair.
4. Select "BOYI GMK67" from the list of available Bluetooth devices on your host device.
5. Once connected, the backlight of the chosen key (Q, W, or E) will stop flashing and remain steadily lit.
6. You can pair up to three Bluetooth devices and switch between them by pressing **FN + Q**, **FN + W**, or **FN + E** briefly.

Tri-Mode Connection



Image: Tri-Mode Connection methods for the BOYI GMK67 keyboard.

5. KEY FUNCTIONS & RGB CONTROL

The BOYI GMK67 features a multi-function knob and various FN key combinations for controlling keyboard settings and RGB lighting.

5.1 Multi-function Knob

- **Rotate:** Adjusts system volume (default mode) or backlight brightness (when in RGB mode).
- **Press:** Mutes/unmutes audio (default mode) or cycles through RGB lighting effects (when in RGB mode).

5.2 RGB Backlight Control (FN Combinations)

The keyboard features south-facing RGB LEDs for vibrant illumination. Use the following key combinations:

- **FN + Backspace:** Toggles RGB backlight on/off.
- **FN + \|:** Cycles through different RGB lighting effects (14+ effects available).
- **FN +]:** Changes the RGB backlight color for static modes.
- **FN + Arrow Keys:** Adjusts brightness and speed of RGB effects.

CNC Aluminum Alloy Shell

Crafted from premium aluminium alloy and finished with an exquisite injection moulding process, the keyboard's casing promises durability.



Image: Programmable south-facing RGB backlight and control functions.

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Video: Demonstration of the BOYI GMK67 keyboard's RGB lighting effects and typing sound.

6. HOT-SWAPPING SWITCHES & KEYCAPS

The hot-swappable PCB allows you to easily change mechanical switches and keycaps without soldering.

6.1 Changing Keycaps

1. Use the keycap puller to gently grip the keycap you wish to remove.
2. Pull straight up with even pressure until the keycap detaches from the switch stem.
3. To install a new keycap, align it with the switch stem and press down firmly until it clicks into place.

6.2 Changing Switches

The GMK67 supports both 3-pin and 5-pin mechanical switches.

1. First, remove the keycap using the keycap puller as described above.
2. Use the switch puller to grip the top and bottom clips of the switch.
3. Gently rock the switch while pulling upwards until it detaches from the PCB.
4. To install a new switch, ensure its pins are straight. Align the pins with the holes on the PCB.
5. Press down firmly until the switch clicks into place. Ensure it is seated correctly and not bent.
6. Replace the keycap.

PCBA Single Key Slotting Design



Five layer Filling Gasket-Mounted Structure

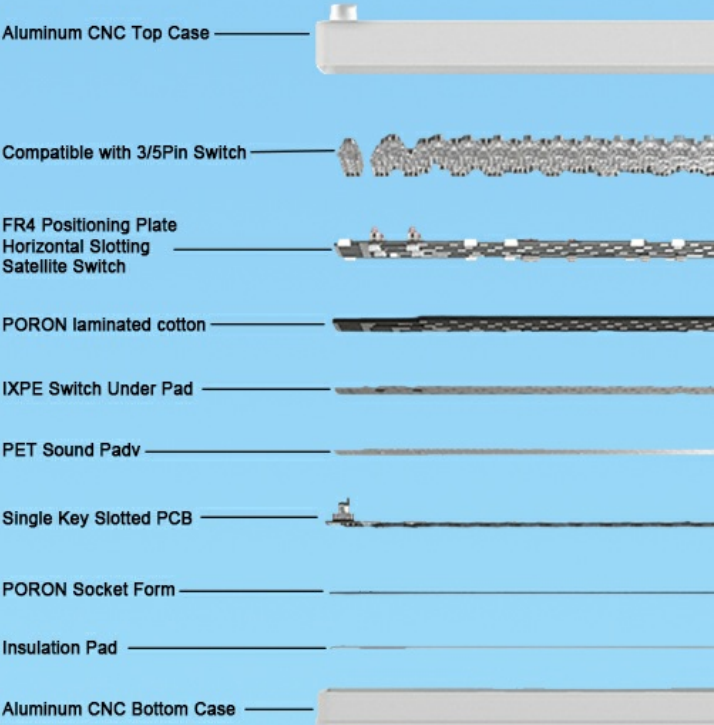


Image: Detailed view of a hot-swappable mechanical switch and its force-travel characteristics.

Hot-Swap Mechanical Switches

Support 3/5pin mechanical switches



Provide 2-in-1 key puller



Image: Hot-swappable mechanical switches and the provided 2-in-1 key puller.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to wipe the keyboard surface. For deeper cleaning, remove keycaps and use compressed air to clear debris. Avoid harsh chemicals.
- **Battery Care:** To prolong battery life, avoid fully discharging the keyboard frequently. Charge it regularly, especially if not used for extended periods.
- **Storage:** Store the keyboard in a cool, dry place away from direct sunlight and extreme temperatures. Use the provided dust cover if available.

8. TROUBLESHOOTING

Issue	Possible Cause	Solution
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Issue	Possible Cause	Solution
Keyboard not responding in Wired mode.	Incorrect mode switch setting, faulty cable, or driver issue.	1. Ensure the mode switch is set to "Wired". 2. Try a different USB-C cable. 3. Connect to a different USB port on your computer. 4. Restart your computer.
2.4G Wireless connection not working.	Receiver not plugged in, incorrect mode, or pairing issue.	1. Ensure the 2.4G receiver is securely plugged into a USB port. 2. Set the mode switch to "2.4G". 3. Press FN + R to re-initiate pairing. 4. Ensure the keyboard battery is charged.
Bluetooth connection fails or disconnects.	Incorrect pairing, out of range, or interference.	1. Ensure the mode switch is set to "Bluetooth". 2. Re-enter pairing mode by holding FN + Q/W/E. 3. Delete "BOYI GMK67" from your device's Bluetooth list and re-pair. 4. Ensure the keyboard is within 10 meters of your device. 5. Ensure the keyboard battery is charged.
RGB backlight not working or stuck.	RGB is turned off, or a software glitch.	1. Press FN + Backspace to toggle RGB on/off. 2. Press FN + \ to cycle through effects. 3. Ensure the keyboard battery is charged. 4. If issues persist, try resetting the keyboard (refer to advanced functions if available, or contact support).
Keys not registering or double-typing.	Loose switch, faulty switch, or debris under keycap.	1. Remove the keycap and switch. Re-seat the switch firmly. 2. Clean any debris from the switch socket. 3. Try replacing the switch with one of the spare switches provided.

9. SPECIFICATIONS

Feature	Detail
Brand	BOYI
Model	GMK67
Layout	65% (67 keys)
Connectivity	USB-C Wired, 2.4G Wireless, Bluetooth 5.0
Switch Type	Linear (Hot-swappable 3/5-pin)
Keycap Material	PBT Double-Shot
Backlight	South-Facing RGB
Battery Capacity	4000mAh

Feature	Detail
Case Material	CNC Aluminum Alloy
Weight	1.75 Kilograms

10. WARRANTY & SUPPORT

For warranty information, technical support, or any product-related inquiries, please contact BOYI customer service through the platform where you purchased the product or visit the official BOYI website. You can also reach out via email:boyiservice2020@163.com



Image: BOYI Customer Service and Support Contact Information.

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Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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