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› BOYI WK68 Hot Swappable RGB Mechanical Keyboard User Manual

BOYI BOYI Hot Swappable Tri-Mode RGB Keyboard (WK68)

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Model: BOYI Hot Swappable Tri-Mode RGB Keyboard (WK68)

Brand: BOYI

INTRODUCTION

Thank you for choosing the BOYI WK68 Hot Swappable RGB Mechanical Keyboard. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your new keyboard. The WK68 is a versatile 65% compact keyboard featuring tri-mode connectivity (Wired, 2.4G Wireless, Bluetooth 5.0), hot-swappable switches, and customizable RGB backlighting, designed for both gaming and office use.



Image: Top-down view of the BOYI WK68 mechanical keyboard in white with honey milk colored keycaps, alongside its 2.4G USB dongle.

PACKAGE CONTENTS

Please check the package contents to ensure all items are present:

- BOYI WK68 Hot Swappable RGB Mechanical Keyboard
- USB Type-C Cable
- 2.4GHz USB Dongle (Adaptor)
- Keycap Puller
- Extra Themed Keycaps (Quantity and specific designs may vary)

SPECIFICATIONS

Feature	Detail
Product Dimensions	12.2 x 3.94 x 1.18 inches (30.99 x 10.01 x 3.00 cm)
Item Weight	2.27 pounds (1.03 kg)
Connectivity Technology	Bluetooth 5.0, 2.4G Wireless, Wired Type-C Tri-Mode
Keyboard Description	65% Compact Gaming & Office Mechanical Keyboard
Keycap Material	PBT Sublimation (Honey Milk XDA Keycaps)
Switch Type	Gateron Red Switch (Hot-swappable with 3-pin/5-pin MX-similar switches)
Backlighting	RGB (12 different lighting effects, customizable)
Battery	1 Lithium Ion battery (included, 3500mAh capacity)
Compatible Devices	PC, Laptop, Tablet, Smartphone (Windows and Mac systems)
Special Features	Backlit, Ergonomic Design, Hot-swappable, Anti-ghosting (NKRO in wired mode), Auto-sleep mode

SETUP

Charging the Keyboard

Before first use, it is recommended to fully charge the keyboard. Connect the supplied USB Type-C cable to the keyboard's Type-C port and the other end to a USB power source (e.g., computer USB port, USB wall adapter). The keyboard has a built-in 3500mAh lithium-ion battery.



Image: Side view of the keyboard highlighting the USB Type-C port and the physical switches for connectivity modes (ON/OFF, 2.4G).

Connectivity Modes

The BOYI WK68 keyboard supports three connection modes: Wired, 2.4G Wireless, and Bluetooth 5.0.

1. Wired Mode

1. Ensure the physical switch on the side of the keyboard is set to "OFF" or "Wired" (if applicable, refer to the switch labels).
2. Connect the USB Type-C cable from the keyboard to your computer's USB port.
3. The keyboard will be automatically recognized and ready for use.



Image: The BOYI WK68 keyboard connected to a laptop, demonstrating wired mode functionality.

2. 2.4G Wireless Mode

1. Locate the 2.4GHz USB dongle (adaptor) included in the package.
2. Plug the USB dongle into an available USB port on your computer.
3. Set the physical switch on the side of the keyboard to "2.4G".
4. The keyboard should automatically connect to the dongle.

3. Bluetooth 5.0 Mode

The keyboard can connect to up to 3 devices via Bluetooth.

1. Set the physical switch on the side of the keyboard to "ON" (Bluetooth mode).
2. 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.
3. On your device (PC, laptop, tablet, smartphone), enable Bluetooth and search for new devices.
4. Select "BOYI WK68" (or similar name) from the list of available devices to connect.
5. Once connected, the backlight of the chosen key (Q, W, or E) will stop flashing and remain steadily lit.
6. To switch between paired Bluetooth devices, simply press **FN + Q**, **FN + W**, or **FN + E**.

OPERATING INSTRUCTIONS

RGB Backlighting Control

The keyboard features dynamic RGB backlighting with multiple effects.

- Press **FN + P** to cycle through 12 different lighting effects (e.g., Aurora, Ripple, Racing, Rainbow, Waves, Gradient, Windmill, Spectrum, single light).
- Adjust brightness levels and breathing speeds using other FN key combinations (specific combinations not detailed in product information, typically FN + Arrow Up/Down for brightness, FN + Arrow Left/Right for speed).
- For advanced customization, including creating your own vibrant lighting effects, use the dedicated BOYI software (available for download from the manufacturer's website).

Hot-Swappable Switches

The BOYI WK68 keyboard is hot-swappable, allowing you to change mechanical switches without soldering. It supports 3-pin and 5-pin MX-similar mechanical switches (e.g., Gateron, Cherry).



Image: A close-up view demonstrating the hot-swappable feature, with a switch puller removing a Gateron switch from the keyboard.

How to Replace Switches:

1. Power off the keyboard or disconnect it from your device.
2. Use the included keycap puller to carefully remove the desired keycap.
3. Use a switch puller (often included or sold separately) to gently grip the top and bottom clips of the switch.
4. Pull the switch straight up to remove it from the PCB.
5. Align the pins of the new switch with the holes on the PCB. Ensure the pins are straight to avoid bending.
6. Gently push the new switch straight down until it clicks into place. Do not force it.
7. Replace the keycap.



Image: An informational graphic detailing the characteristics of Gateron Yellow, Brown, and Red switches, including their feel and recommended use cases.

Keycap Replacement

The keyboard comes with extra themed keycaps for customization. Use the included keycap puller to remove and replace keycaps.

1. Gently place the keycap puller over the keycap you wish to remove.
2. Squeeze the puller to grip the keycap firmly.
3. Pull straight up with even pressure to remove the keycap.
4. To install a new keycap, align it with the switch stem and press down firmly until it seats properly.



Image: The BOYI WK68 keyboard displayed with additional themed keycaps and the keycap puller, illustrating customization options.

Ergonomic Design and Auto-Sleep

The keyboard is designed with ergonomics in mind, featuring adjustable typing angles via double kickstand feet. To conserve battery, the keyboard will automatically enter sleeping mode after 10 minutes of inactivity, and the backlights will turn off. Any key press will awaken the keyboard and reactivate the backlights.

MAINTENANCE

Cleaning the Keyboard

- Disconnect the keyboard from all power sources and devices before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe down the keycaps and chassis.
- For dust and debris between keycaps, use compressed air or a small brush.
- For deeper cleaning, keycaps can be removed using the keycap puller and washed with mild soap and water.

Ensure they are completely dry before reattaching.

Battery Care

- Avoid exposing the keyboard to extreme temperatures.
- If storing the keyboard for an extended period, ensure it has a partial charge (around 50%) to prolong battery life.
- Use only the provided USB Type-C cable or a certified equivalent for charging.

TROUBLESHOOTING

Issue	Possible Solution
Keyboard not responding in wireless mode.	• Ensure the keyboard is charged. • Verify the physical switch is set to the correct wireless mode (2.4G or ON for Bluetooth). • For 2.4G, ensure the USB dongle is securely plugged in. • For Bluetooth, ensure the keyboard is paired and selected on your device. Try re-pairing if necessary. • Try connecting via wired mode to confirm keyboard functionality.
Bluetooth connection unstable or dropping.	• Ensure the keyboard is within range of your device. • Check for interference from other wireless devices. • Recharge the keyboard battery. • Remove the keyboard from your device's Bluetooth list and re-pair it.
Backlighting not working or stuck.	• Press FN + P to cycle through lighting effects. • Check brightness levels (if applicable, using FN + Arrow Up/Down). • Ensure the keyboard is not in auto-sleep mode. Press any key to wake it. • If using custom profiles, ensure the software is running correctly.
Keys not registering or double-typing.	• Ensure the switch is fully seated in the PCB. Gently press down on the keycap. • If a specific switch is faulty, consider hot-swapping it with a spare or a switch from a less-used key. • Clean under the keycap and around the switch.

WARRANTY AND SUPPORT

The BOYI WK68 keyboard is backed by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact the seller directly.

Contacting Support

For technical assistance, warranty claims, or any product-related inquiries, please contact BOYI Keyboard, the seller,

through the Amazon platform.

- **Seller Name:** BOYI Keyboard
- **Amazon Seller Page:** [Visit BOYI Keyboard Store on Amazon](#)
- **General Support Email:** boyiservice2020@163.com

You can also refer to the official User Manual (PDF) for additional information [Download User Manual \(PDF\)](#)

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