

BOYI YK82

BOYI YK82 Aluminum Alloy Mechanical Keyboard Instruction Manual

Model: YK82

INTRODUCTION

The BOYI YK82 is a 75% layout mechanical keyboard crafted from solid aluminum alloy, offering a durable and premium typing experience. It features tri-mode connectivity (Bluetooth 5.0, 2.4G wireless, and Type-C wired), hot-swappable switches, and vibrant RGB backlighting. Designed for versatility, it includes a multi-function knob for quick adjustments and is compatible with both Mac and Windows operating systems.

WHAT'S IN THE BOX

- BOYI YK82 Aluminum Keyboard
- USB Cable
- 2.4G Receiver
- Keycap & Switch Puller
- 2 Extra Switches
- User's Manual

SETUP INSTRUCTIONS

Tri-Mode Connection

The BOYI YK82 keyboard supports three connection modes: Bluetooth 5.0, 2.4G wireless, and Type-C wired. You can easily switch between these modes to connect to various devices.

Quickly Adjust Volume/Lighting

Aluminum alloy metal knob, adjust the light effect/volume as you wish

Pressing the FN+Knob to Switch Modes

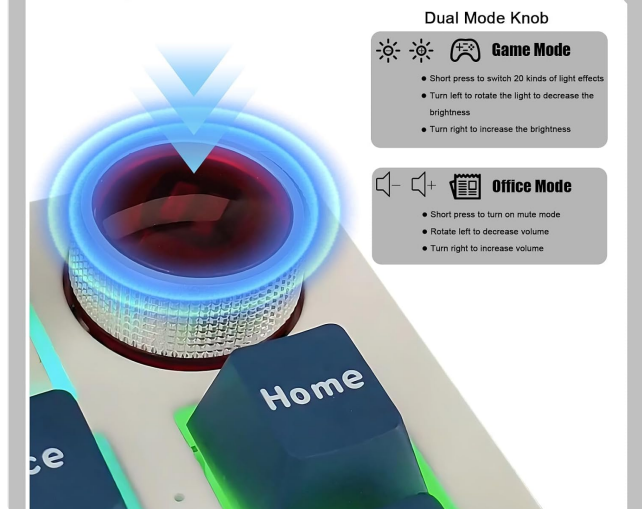


Image: BOYI YK82 keyboard demonstrating its tri-mode connection capabilities with various devices.

1. Bluetooth 5.0 Connection

- Toggle the switch on the back of the keyboard to 'BT' mode.
- Press **Fn + 1**, **Fn + 2**, or **Fn + 3** to select a Bluetooth channel. The indicator light will flash, indicating pairing mode.
- On your device (laptop, tablet, smartphone), search for 'BOYI YK82' in the Bluetooth settings and connect. The indicator light will become solid when connected.

2. 2.4G Wireless Connection

- Toggle the switch on the back of the keyboard to '2.4G' mode.
- Remove the 2.4G USB receiver from its storage slot on the back of the keyboard.
- Insert the USB receiver into an available USB port on your computer. The keyboard is now ready for use.

3. Type-C Wired Connection

- Connect the provided USB Type-C cable to the keyboard and your computer. The keyboard will automatically switch to wired mode.

OPERATING INSTRUCTIONS

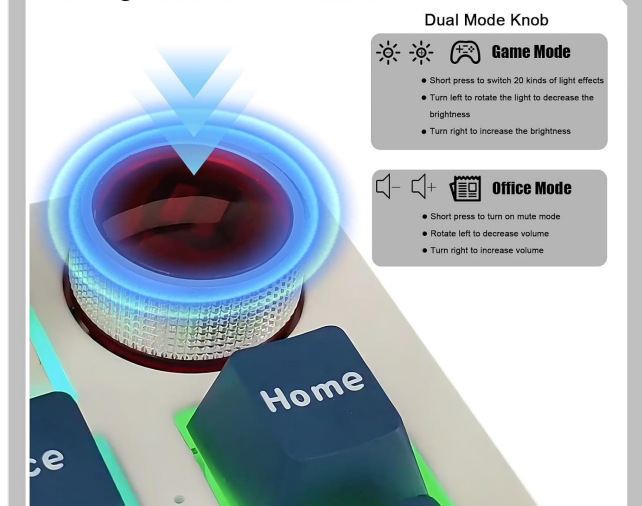
Multi-Function Knob

The aluminum alloy knob provides enhanced control over volume and lighting, allowing for seamless transitions between work and gaming modes.

Quickly Adjust Volume/Lighting

Aluminum alloy metal knob, adjust the light effect/volume as you wish

Pressing the FN+Knob to Switch Modes



Dual Mode Knob



Game Mode

- Short press to switch 20 kinds of light effects
- Turn left to rotate the light to decrease the brightness
- Turn right to increase the brightness



Office Mode

- Short press to turn on mute mode
- Rotate left to decrease volume
- Turn right to increase volume

Image: The multi-function knob allows switching between game mode (dynamic RGB, brightness control) and office mode (volume control, mute).

- **Press Fn + Knob:** Switch between Game Mode and Office Mode.
- **In Game Mode:** Short press the knob to cycle through 20 different RGB lighting effects. Turn left to decrease brightness, turn right to increase brightness.
- **In Office Mode:** Short press the knob to mute/unmute audio. Turn left to decrease volume, turn right to increase volume.

RGB Backlighting Control

The keyboard features 16.8 million RGB cool backlight colors with adjustable brightness and flowing speed.



- FN + ESC** Restore Factory Settings
- FN + DEL** Switching Backlight Mode
- FN + HOME** Backlight Color Switching
- FN + LEFT ARROW** Dynamic Light Effects Slow Down
- FN + DOWN ARROW** Backlight Brightness -
- FN + UP ARROW** Backlight Brightness +
- FN + RIGHT ARROW** Dynamic Light Effects Are Faster
- FN + WIN** Backlight Off / On With One Touch

Programable Software Keyboard

Image: Fn key combinations for controlling RGB effects, brightness, speed, and restoring factory settings.

- **Fn + Esc:** Restore Factory Settings.
- **Fn + Del:** Switch Backlight Mode.
- **Fn + Home:** Backlight Color Switching.
- **Fn + Left Arrow:** Dynamic Light Effects Slow Down.
- **Fn + Down Arrow:** Backlight Brightness -.
- **Fn + Up Arrow:** Backlight Brightness +.

- **Fn + Right Arrow:** Dynamic Light Effects Are Faster.
- **Fn + Enter:** Backlight Off / On With One Touch.

Software Customization

Custom software is available for designing new effects, building macros, and setting up per-key lighting and effects. Visit the official BOYI website to download the software.

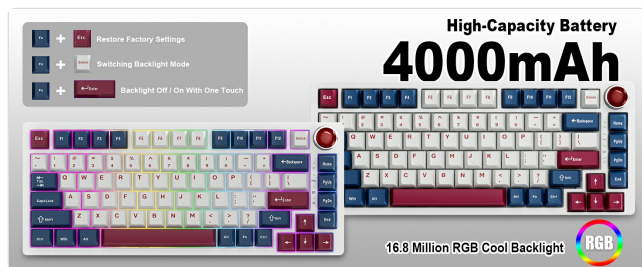


Image: BOYI YK82 keyboard highlighting macro and customized RGB effects through software.

KEY FEATURES

75% Layout Aluminum Mechanical Keyboard

The 75% compact layout saves desk space while retaining essential function keys. Crafted from top-tier aluminum alloy with an exquisite spray process, the keyboard case offers durability and a luxurious feel.

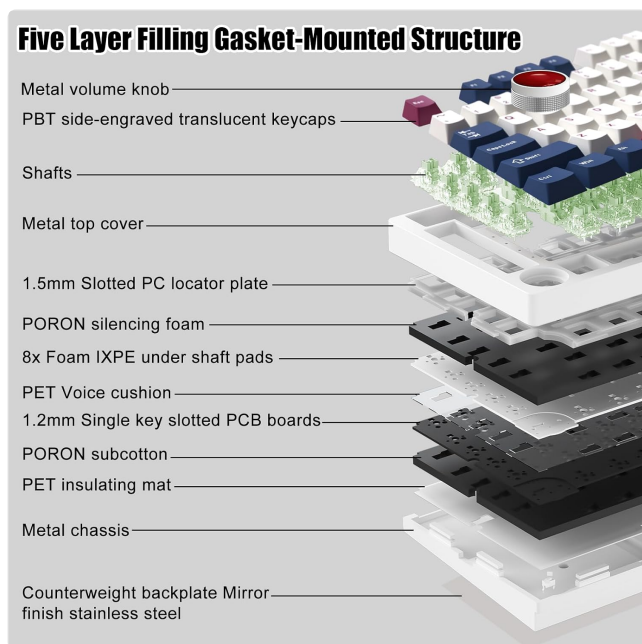


Image: BOYI YK82 75% layout with 82 keys and 1 knob, emphasizing compact design and key functions.

Gasket-Mounted & PCB Single Key Slotting

This keyboard features a gasket structure with an extended integrated silicone pad and PCB single key slotting. This design optimizes resilience and stability, resulting in a softer and more elastic typing feel. Five layers of filling silencer reduce noise, making it ideal for quiet environments.



Image: Detailed diagram of the keyboard's internal structure, highlighting the gasket mount and five-layer sound dampening.

Linear Switches & Hot-Swap DIY Keyboard

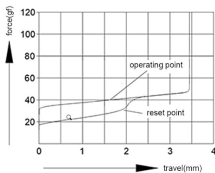
Equipped with full POM BOYI Jadeite Green HIFI Linear switches, which provide a smooth and fast typing experience due to their consistent operating force. The full key hot-swap support allows users to easily change to other 3-pin/5-pin mechanical switches to customize their typing feel.

Hot Swap Gasket Mount CNC Keyboard

BOYI Full POM Linear Switches Provide You with a Better Typing Experience



Force-Travel-diagram



Parameter	Value
Operating Force	40±10gf
End Force	45±10gf
Conduction Stroke	1.6±0.4mm
Total Travel	3.4±0.4mm
Material	POM
Factory Lubed	Yes

Operating Force : 40±10gf
 End Force : 45±10gf
 Conduction Stroke : 1.6±0.4mm
 Total Travel : 3.4±0.4mm
 Material : POM
 Factory Lubed : Yes



Image: Hot-swappable feature of the BOYI YK82 keyboard, showing linear switches and their force-travel characteristics.

PBT Cherry Profile Keycaps

The keyboard comes with double-shot PBT keycaps in Cherry profile. These keycaps are highly durable, resistant to wear and oil, and maintain their vibrant characters over time. The suspended high keycaps and curved fit enhance typing comfort and reduce errors.

4000mAh Long-Life Battery

A built-in 4000mAh battery ensures extended usage, eliminating concerns about power during long gaming sessions or office work.

SPECIFICATIONS

Product Dimensions	13.3 x 5.7 x 1.5 inches
Item Weight	3.8 pounds
Item Model Number	YK82
Batteries	1 Lithium Ion batteries required (included)
Connectivity Technology	2.4GHz, BT5.0, USB-C, Wireless/Bluetooth/Wired
Keyboard Backlighting	RGB
Special Features	Aluminum Mechanical Ergonomic Keyboard, Gasket-mounted & PCB Single Key Slotting, Hot-Swappable & Triple Mode Connection, Mode-Switching and Enhanced Control Knob, Programmable Keys & South-facing LED

TROUBLESHOOTING

Connectivity Issues

- **Keyboard not connecting via Bluetooth/2.4G:** Ensure the keyboard is in the correct mode (BT/2.4G) and fully charged. Try re-pairing the device. For 2.4G, ensure the USB receiver is securely plugged into your computer.
- **Lag or input delay in wireless mode:** Switch to wired (Type-C) mode for optimal performance, especially during competitive gaming.

Lighting Issues

- **RGB backlight not working or dim:** Ensure the keyboard is charged. Adjust brightness using **Fn + Up Arrow**. Cycle through modes using **Fn + Del**.
- **Keycaps not shining through:** While the keyboard has south-facing LEDs, light transmission through some PBT keycaps might be limited. Consider replacing keycaps with better shine-through properties if this is a priority.

Key Functionality

- **Keys not responding:** Ensure the keyboard is properly connected and charged. If using hot-swappable switches, ensure they are seated correctly. Try restoring factory settings (**Fn + Esc**).
- **Windows/Mac key mapping:** The keyboard supports both Windows and Mac layouts. Use the operating system switch on the back of the keyboard to select the corresponding position.

WARRANTY AND SUPPORT

For warranty claims, technical support, or product inquiries, please contact BOYI Keyboard directly through Amazon or their official support channels. Refer to the product packaging or the official BOYI website for the most up-to-date contact information.

BOYI Keyboard Seller Information:

- Seller Name: BOYI Keyboard
- Amazon Store: [Visit the BOYI Store](#)

MEDIA GALLERY

Product Videos

Your browser does not support the video tag.

Video: BOYI YK82 Aluminum CNC 75% Wireless RGB Mechanical Keyboard.
This video provides an overview of the keyboard's design and features.

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Video: 75% Keyboard with Full Aluminum Tri-Mode Mechanical Keyboard. This video demonstrates the keyboard's compact size and tri-mode functionality.

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Video: BOYI YK82 - The Best Budget Aluminum Alloy Mechanical Keyboard. This video highlights the value and features of the keyboard.

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Video: BOYI YK82 Aluminum Alloy Mechanical Keyboard. This video showcases the keyboard's aluminum alloy construction.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

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

Submit question