

BOYI KD84

BOYI KD84 75% Hot-Swappable Mechanical Gaming Keyboard User Manual

Model: KD84

1. INTRODUCTION

Thank you for choosing the BOYI KD84 Mechanical Gaming Keyboard. This keyboard features a compact 75% layout with 84 keys, offering a balance between functionality and desk space. It supports tri-mode connectivity (2.4G Wireless, Bluetooth 5.0, and USB Type-C Wired) for versatile use across multiple devices. The hot-swappable design allows for easy customization of switches without soldering, and the vibrant RGB backlighting enhances your typing and gaming experience. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- BOYI KD84 Mechanical Gaming Keyboard
- USB Type-C Cable
- 2.4G Wireless Dongle (USB Receiver)
- Keycap Puller
- Switch Puller
- Extra Gateron Yellow Switches (Quantity may vary)
- User Manual (this document)



Image: Contents of the BOYI KD84 keyboard package, including the keyboard, USB-C cable, 2.4G dongle, keycap puller, switch puller, and extra switches.

3. SETUP

3.1 Wired Connection

1. Locate the USB Type-C port on the keyboard.
2. Connect one end of the provided USB Type-C cable to the keyboard.
3. Connect the other end of the cable to an available USB port on your computer.
4. The keyboard will automatically be recognized by your system and is ready for use. The keyboard will also charge in this mode.

3.2 2.4G Wireless Connection

1. Locate the 2.4G wireless dongle (USB receiver) in the package.
2. Plug the 2.4G dongle into an available USB port on your computer.

- 3. On the keyboard, switch the mode selector to the 2.4G position (usually indicated by a 'G' or 2.4G icon).
- 4. The keyboard should automatically connect. If not, press **FN + R** to initiate pairing. The indicator light will flash and then become solid when connected.

3.3 Bluetooth 5.0 Connection

The keyboard supports connecting to up to three Bluetooth devices.

- 1. On the keyboard, switch the mode selector to the Bluetooth position (usually indicated by a 'B' or Bluetooth icon).
- 2. Press and hold **FN + Q**, **FN + W**, or **FN + E** for 3-5 seconds to enter pairing mode for the desired device slot. The indicator light will flash rapidly.
- 3. On your device (computer, tablet, smartphone), enable Bluetooth and search for new devices.
- 4. Select "BOYI KD84" from the list of available devices.
- 5. Once paired, the indicator light on the keyboard will become solid.
- 6. To switch between paired Bluetooth devices, simply press **FN + Q**, **FN + W**, or **FN + E** (short press) corresponding to the device slot.

4. OPERATING INSTRUCTIONS

4.1 Function Key Combinations (FN Layer)

The KD84 keyboard utilizes an FN (Function) key to access secondary functions printed on the keycaps. Press and hold the **FN** key, then press the desired function key.

Combination	Function
FN + F1-F12	Standard F-keys (F1-F12)
FN + Q/W/E	Switch Bluetooth device (short press) / Enter Bluetooth pairing mode (long press)
FN + R	2.4G Wireless pairing mode
FN + Left ALT	Switch between Windows/Mac layout
FN + \	Change RGB lighting effect mode
FN + ↑ / ↓	Adjust RGB brightness
FN + ← / →	Adjust RGB lighting speed/direction
FN + DEL	Toggle backlight on/off

4.2 RGB Lighting Control

The keyboard features multiple preset RGB lighting effects. You can cycle through these effects, adjust brightness, and change speed using the FN key combinations mentioned above. For advanced customization and creating your own lighting profiles, please refer to the official BOYI software (download link usually available on the manufacturer's website).



Image: Top-down view of the BOYI KD84 keyboard, showcasing its compact layout and potential RGB lighting.

5. CUSTOMIZATION

5.1 Hot-Swappable Switches

The BOYI KD84 features hot-swappable sockets, allowing you to change mechanical switches without soldering. It supports both 3-pin and 5-pin mechanical switches.

1. **Removing a Switch:** Use the provided switch puller. Gently grip the top and bottom clips of the switch and pull upwards with even pressure until the switch detaches from the PCB.
2. **Installing a Switch:** Align the pins of the new switch with the holes on the PCB. Ensure the pins are straight. Gently push the switch down until it clicks into place. Do not force it; if resistance is met, check pin alignment to avoid bending.



Image: A hand using a switch puller to remove a Gateron Yellow switch from the BOYI KD84 keyboard, demonstrating the hot-swappable feature.

5.2 Keycap Replacement

The XDA Honey Milk PBT keycaps can be replaced with other compatible keycaps.

1. **Removing a Keycap:** Use the provided keycap puller. Place the puller over the keycap, ensuring the wires hook under opposite sides of the keycap. Pull upwards gently and evenly.
2. **Installing a Keycap:** Align the cross-shaped stem of the keycap with the stem on the switch. Push down firmly until the keycap is seated securely.

6. MAINTENANCE

6.1 Cleaning the Keyboard

- Disconnect the keyboard from your computer before cleaning.
- Use a keycap puller to remove keycaps for thorough cleaning.

- Use compressed air to remove dust and debris from between the switches.
- Wipe keycaps with a soft, damp cloth and mild soap solution if necessary. Ensure keycaps are completely dry before reattaching.
- Do not immerse the keyboard in water or use harsh chemicals.

6.2 Battery Care (for Wireless Modes)

- Charge the keyboard regularly using the provided USB Type-C cable.
- Avoid fully discharging the battery frequently to prolong its lifespan.
- If storing the keyboard for an extended period, charge it to approximately 50% before storage.

7. TROUBLESHOOTING

7.1 Keyboard Not Responding

- **Wired Mode:** Ensure the USB-C cable is securely connected to both the keyboard and the computer. Try a different USB port or cable.
- **2.4G Wireless Mode:** Ensure the 2.4G dongle is plugged in and the keyboard is switched to 2.4G mode. Re-pair by pressing **FN + R**. Check battery level.
- **Bluetooth Mode:** Ensure Bluetooth is enabled on your device and the keyboard is switched to Bluetooth mode. Re-pair if necessary (long press **FN + Q/W/E**). Check battery level.

7.2 RGB Lighting Not Working

- Ensure the backlight is not turned off (press **FN + DEL**).
- Adjust brightness using **FN + ↑ / ↓**.
- Try cycling through lighting effects with **FN + \|**.
- If using custom profiles, ensure the BOYI software is running and configured correctly.

7.3 Keys Double-Typing or Not Registering

- This may indicate a faulty switch. Utilize the hot-swappable feature to replace the problematic switch with one of the included spare switches or a new compatible switch.
- Ensure the switch is fully seated in its socket.

8. SPECIFICATIONS

Feature	Detail
Brand	BOYI
Model Number	KD84
Layout	75% (84 Keys)
Switches	Gateron Yellow (Hot-swappable, 3-pin/5-pin compatible)
Keycaps	XDA Honey Milk PBT Dye-sublimated
Connectivity	Bluetooth 5.0, 2.4G Wireless, USB Type-C Wired
Backlighting	RGB (Multiple presets, customizable via software)
N-Key Rollover (NKRO)	Supported

Feature	Detail
Compatible Devices	Laptop, PC (Windows, Mac)
Included Components	USB Cable, 2.4G Dongle, Keycap Puller, Switch Puller, Extra Switches
Material	PBT (Keycaps)
ASIN	B0BHN8TXV3
UPC/GTIN	795098903226

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the documentation provided with your purchase or visit the official BOYI website. Keep your proof of purchase for warranty claims.

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