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## KiiBoom Phantom 81 V3

# KiiBoom Phantom 81 V3 Transparent Mechanical Gaming Keyboard User Manual

Model: Phantom 81 V3

## 1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your KiiBoom Phantom 81 V3 Transparent Mechanical Gaming Keyboard. Please read this manual thoroughly to ensure proper use and to maximize your keyboard's performance.



*Image: KiiBoom Phantom 81 V3 Transparent Mechanical Gaming Keyboard with RGB backlighting.*

## 2. PACKAGE CONTENTS

Verify that all items are present in the package:

- KiiBoom Phantom 81 V3 Mechanical Keyboard
- USB-C Cable
- Keycap Puller

- Switch Puller
- Extra Switches (2 units)
- User Manual (this document)

## 3. SETUP

### 3.1 Connectivity Modes

The KiiBoom Phantom 81 V3 supports three connectivity modes: Wired (USB-C), 2.4GHz Wireless, and Bluetooth 5.0. You can switch between modes using the function (FN) key combinations.



*Image: Diagram illustrating the three connectivity modes: 2.4G, Bluetooth, and Wired, with corresponding FN key combinations.*

- **Wired Mode:** Connect the keyboard to your device using the provided USB-C cable. Press **FN + 5** to activate wired mode.
- **2.4GHz Wireless Mode:** Insert the 2.4GHz USB receiver into your device. Press **FN + 4** to activate 2.4GHz mode. The keyboard will automatically connect to the receiver.
- **Bluetooth Mode:** The keyboard supports up to three Bluetooth devices. Press **FN + 1**, **FN + 2**, or **FN + 3**

to select a Bluetooth channel. The indicator light will flash, indicating pairing mode. On your device, search for 'KiiBoom Phantom 81 V3' and connect.

### 3.2 Initial Charging

Before first use, it is recommended to fully charge the keyboard. Connect the USB-C cable to the keyboard and a power source (e.g., computer USB port or wall adapter). The charging indicator light will show the charging status. The Phantom 81 V3 features an 8000mAh battery for extended use.

## 4. OPERATING INSTRUCTIONS

### 4.1 Basic Keyboard Functions

The KiiBoom Phantom 81 V3 is a 75% layout keyboard with 82 keys and a multi-functional knob. It is compatible with both Windows and Mac operating systems. Standard key functions operate as expected.

### 4.2 RGB Backlight Control

The keyboard features 16.8 million RGB backlights with south-facing LEDs. Use the following FN key combinations to control the lighting effects:



Image: Visual guide for RGB backlight control using FN key combinations.



- **FN + \|**: Toggle backlight effects.
- **FN + ]]**: Toggle backlight colors.
- **FN + P**: Toggle bottom light mode.
- **FN + B**: Toggle bottom light colors.

### 4.3 Software Programmable Features

Customize your keyboard experience using the dedicated KiiBoom software. The software allows for:



*Image: Screenshot of the KiiBoom software interface showing options for key remapping, lighting effects, and macro creation.*

- **Keys Remap**: Reassign functions to individual keys.
- **Lights Effects**: Fine-tune RGB lighting patterns and colors.
- **Macro**: Create and assign complex macros for enhanced productivity or gaming.
- **Share Settings**: Save and share your custom profiles.

Refer to the KiiBoom official website for software download and detailed instructions.

### 4.4 Battery Status Check

To check the current battery level, press **FN + Backspace**. The indicator lights on the keyboard will display the approximate battery percentage.

## 4.5 N-Key Rollover (NKRO)

The KiiBoom Phantom 81 V3 supports N-Key Rollover (NKRO), which means all keys can be registered simultaneously. This ensures that every keystroke is detected, even during rapid and complex typing or gaming sequences, preventing ghosting or missed inputs.

## 5. MAINTENANCE

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### 5.1 Cleaning

To clean your keyboard, disconnect it from all power sources. Use a soft, lint-free cloth to wipe down the acrylic frame and keycaps. For deeper cleaning, remove keycaps using the provided keycap puller and use compressed air to clear debris from between switches. Avoid using harsh chemicals or abrasive materials.

### 5.2 Switch and Keycap Replacement (Hot-Swappable)

The Phantom 81 V3 features a full-key hot-swappable PCB, allowing you to easily change switches without soldering. Use the included switch puller to carefully remove switches. Ensure new switches are 3-pin or 5-pin compatible and align correctly before pressing them into place. Use the keycap puller to remove and replace keycaps.

# HOT SWAPPABLE PCB



KiiBoom Crystal Linear Switch  
(55gf, 1.6-3.6mm)

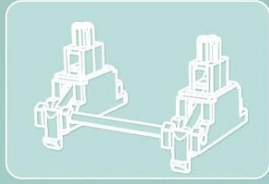


Plate-Mounted Stabilizers



3-Pin/5-Pin Switch Socket



South-Facing LEDs



Image: A hand demonstrating the removal of a keycap and switch from the hot-swappable PCB of the KiiBoom Phantom 81 V3 keyboard.

## 6. TROUBLESHOOTING

- **Keyboard not responding:** Ensure the keyboard is charged. Check the connectivity mode (Wired, 2.4GHz, Bluetooth) and ensure it matches your device's connection. Try reconnecting the USB cable or re-pairing Bluetooth.
- **RGB lights not working:** Verify that the backlight is enabled using the FN key combinations. Check software settings if custom profiles are in use.
- **Keys not registering:** If specific keys are not working, try removing and re-inserting the switch for that key. Ensure the switch pins are not bent. If the issue persists, replace the switch with one of the included spare switches.
- **Bluetooth connection unstable:** Ensure the keyboard is within range of your device. Avoid interference from other wireless devices. Try unpairing and re-pairing the keyboard.
- **2.4GHz connection issues:** Ensure the USB receiver is securely plugged in. Try a different USB port. Avoid placing the receiver near large metal objects that may cause interference.

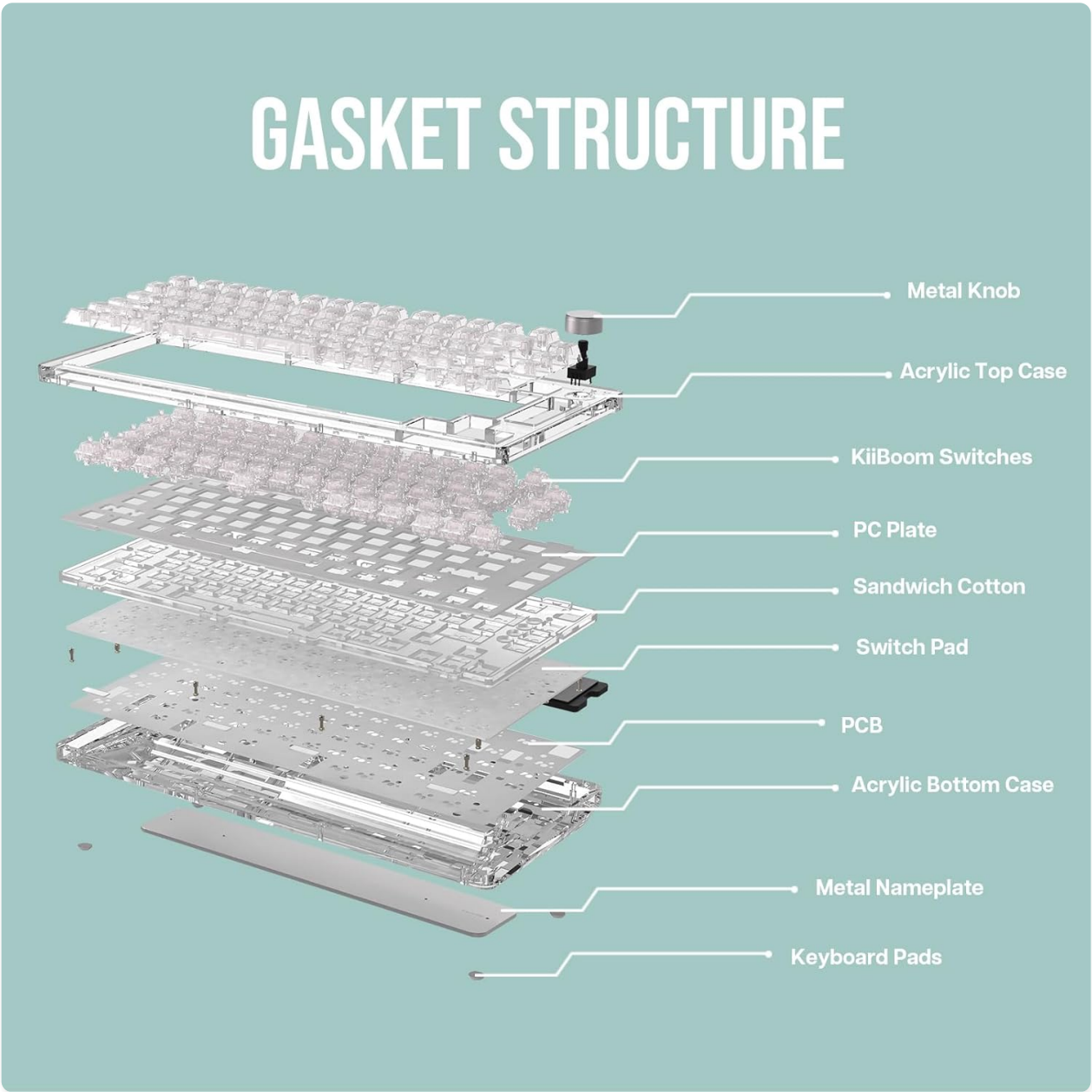


Image: Exploded view diagram of the KiiBoom Phantom 81 V3 showing its internal gasket structure components.

Model	Phantom 81 V3
Layout	75% (82 Keys + 1 Knob)
Connectivity	Type-C Wired, Bluetooth 5.0, 2.4GHz Wireless
Switches	KiiBoom Crystal Linear Switch (Hot-Swappable)
Stabilizers	Plate-Mounted
Backlighting	16.8M RGB, South-Facing LEDs
Battery Capacity	8000mAh
Frame Material	Crystal-Clear Acrylic

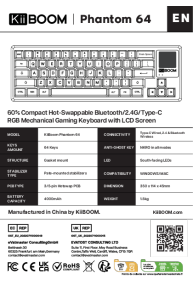
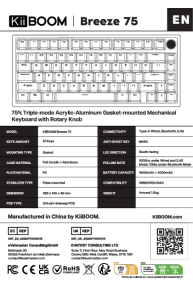
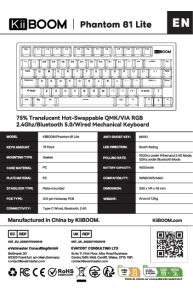
Mounting Style	Gasket Mount with PC Plate
Compatibility	Windows, macOS, Gaming Consoles, Laptops, PCs, Smartphones, Tablets
Item Weight	4.44 pounds (approx. 2.01 kg)
Package Dimensions	16.45 x 10.79 x 2.91 inches

## 8. WARRANTY AND SUPPORT

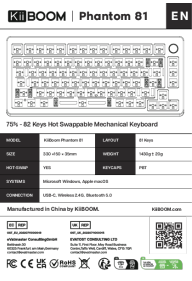


KiiBoom products are designed for quality and durability. For specific warranty information regarding your Phantom 81 V3 keyboard, please refer to the warranty card included in your product packaging or visit the official KiiBoom website.

For technical support, troubleshooting assistance, or further inquiries, please visit the KiiBoom official support page or contact their customer service directly. You can find more information and resources on the [KiiBoom Brand Store on Amazon](#).

### Related Documents - Phantom 81 V3

	<p><a href="#">KiiBOOM Phantom 64: 60% Mechanical Gaming Keyboard User Manual &amp; Guide</a></p> <p>Explore the KiiBOOM Phantom 64, a 60% compact, hot-swappable mechanical gaming keyboard with Bluetooth, 2.4G, and Type-C connectivity, featuring RGB backlighting and an LCD screen. This manual provides comprehensive details on setup, shortcuts, lighting customization, and warranty information.</p>
	<p><a href="#">KiiBOOM Breeze 75 Mechanical Keyboard: Features, Specs. and Guide</a></p> <p>Comprehensive guide to the KiiBOOM Breeze 75 mechanical keyboard, covering its 75% layout, triple-mode connectivity (wired, Bluetooth, 2.4G), gasket mount, acrylic and aluminum build, rotary knob, hot-swappable PCB, and detailed function key mappings. Includes setup, pairing, indicator lights, battery check, switch handling, and warranty information.</p>
	<p><a href="#">KiiBOOM Phantom 81 Lite Mechanical Keyboard User Manual</a></p> <p>Comprehensive user manual for the KiiBOOM Phantom 81 Lite 75% Translucent Hot-Swappable QMK/VIA RGB Mechanical Keyboard, covering setup, functions, troubleshooting, and warranty.</p>



	<p><a href="#">KiiBOOM Phantom 81 Mechanical Keyboard: User Manual &amp; Specifications</a></p> <p>User guide for the KiiBOOM Phantom 81 75% hot-swappable mechanical keyboard. Features include specifications, detailed shortcut lists for Windows and macOS, Bluetooth and 2.4GHz pairing instructions, switch installation and removal guide, and warranty information.</p>
	<p><a href="#">AJAZZ AK351 V3 Single Mode Mechanical Keyboard User Manual</a></p> <p>Comprehensive user manual for the AJAZZ AK351 V3 Single Mode Mechanical Keyboard, detailing basic parameters, indicator lights, lighting effects, multimedia functions, and hot-swappable switch replacement instructions. Learn about its 104-key layout, Gasket structure, and Windows/Mac compatibility.</p>
	<p><a href="#">AJAZZ AK351 V3 MAX Three-Mode Mechanical Keyboard User Manual</a></p> <p>The AJAZZ AK351 V3 MAX is a versatile three-mode mechanical keyboard offering wired, 2.4G wireless, and Bluetooth connectivity. This user manual provides comprehensive instructions for setup, operation, lighting customization, multimedia functions, and hot-swappable switch replacement, ensuring an optimized user experience for both Windows and Mac systems.</p>