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KiiBoom Phantom 81 V3

KiiBoom Phantom 81 V3 Pink Mechanical Gaming Keyboard User Manual

Model: Phantom 81 V3

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your KiiBoom Phantom 81 V3 Pink Mechanical Gaming Keyboard. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

Package Contents

- KiiBoom Phantom 81 V3 Pink Mechanical Gaming Keyboard
- USB Type-C Cable (1.5m)
- Keycap Puller
- Switch Puller
- Screwdriver
- Spare Switches
- Extra Nails



Video: Unboxing of KiiBOOM Phantom 81 V3 Transparent Keyboard. This video demonstrates the unboxing process and shows all included accessories.

2. SETUP

Initial Connection

The KiiBoom Phantom 81 V3 supports three connectivity modes: Type-C Wired, Bluetooth 5.0, and 2.4GHz wireless. Locate the connectivity switches on the back of the keyboard.



Seamless 3 Modes Connectivity with Versatility

 **Bluetooth Mode** ( +  |  | )

 **2.4G Mode** ( + )

 **Type C Wired** ( + )



MacOS/WIN/Android

Image showing the Type-C port, Win/Mac switch, and tri-mode connectivity switch on the KiiBoom Phantom 81 V3 Pink keyboard.

Wired Mode (Type-C)

1. Connect the provided USB Type-C cable to the keyboard's Type-C port.
2. Connect the other end of the cable to an available USB port on your computer.
3. Ensure the connectivity switch on the keyboard is set to the 'USB' position.

Bluetooth Mode

1. Set the connectivity switch on the keyboard to the 'BT' position.
2. On your device (computer, tablet, smartphone), enable Bluetooth and search for new devices.
3. Select 'KiiBoom Phantom 81' from the list of available devices to pair.
4. The keyboard supports up to three Bluetooth devices. Switch between them using **Fn + 1/2/3**.

2.4GHz Wireless Mode

1. Locate the 2.4GHz USB receiver (usually stored in a compartment on the keyboard).
2. Plug the USB receiver into an available USB port on your computer.

3. Set the connectivity switch on the keyboard to the '2.4G' position.
4. The keyboard should automatically connect to the receiver.

Operating System Compatibility

The KiiBoom Phantom 81 V3 is compatible with both Windows and Mac operating systems. Use the dedicated 'Win/Mac' switch on the back of the keyboard to select your operating system for proper key mapping.



Diagram illustrating the three connectivity modes (Bluetooth, 2.4G, Wired) and compatibility with various devices and systems.

3. OPERATING INSTRUCTIONS

Basic Functions

- **Volume Control:** Use the rotary knob on the top right of the keyboard to adjust volume. Press the knob to mute/unmute.
- **NKRO (N-Key Rollover):** The keyboard supports N-Key Rollover, allowing all keys to register simultaneously for fast and accurate typing.



Image highlighting the N-Key Rollover (NKRO) feature, ensuring all keys work simultaneously for fast typing response.

RGB Backlighting Control

The KiiBoom Phantom 81 V3 features 16.8 million RGB backlights with south-facing LEDs for reduced glare and

enhanced illumination. Use the following key combinations to control the lighting effects:

- **Fn + V**: Toggle backlight effects.
- **Fn + J**: Toggle backlight colors.
- **Fn + P**: Toggle bottom light mode.
- **Fn + B**: Toggle bottom light colors.



Diagram showing the key combinations for controlling the 16.8M RGB backlights on the KiiBoom Phantom 81 V3 keyboard.

Software Customization

The keyboard supports software for advanced customization, including key remapping, light effects, macro programming, and sharing settings. Refer to the official KiiBoom website for software downloads and detailed instructions.



Image depicting the software interface for programming the KiiBoom Phantom 81 V3 keyboard, showing options for key remap, light effects, macro, and sharing settings.

4. HOT-SWAPPABLE SWITCHES

The KiiBoom Phantom 81 V3 features a full-key hot-swappable PCB, allowing you to easily change mechanical switches without soldering. This keyboard is compatible with both 3-pin and 5-pin mechanical switches.

Changing Switches

1. Carefully remove the keycap using the provided keycap puller.

2. Use the switch puller to gently grip the top and bottom clips of the switch.
3. Pull the switch straight up to remove it from the PCB.
4. Align the pins of the new switch with the holes on the PCB. Ensure the pins are straight to avoid bending.
5. Gently press the new switch into place until it clicks securely.
6. Replace the keycap.



Image demonstrating the hot-swappable PCB with RGB lighting, showing switches being removed and inserted.

HOT SWAPPABLE PCB



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

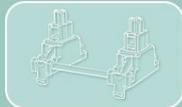


Plate-Mounted Stabilizers



3-Pin/5-Pin Switch Socket



South-Facing LEDs



Detailed view of the hot-swappable PCB, highlighting KiiBoom Crystal Linear Switches, plate-mounted stabilizers, 3-pin/5-pin switch sockets, and south-facing LEDs.



Video: Typing on KiiBOOM Phantom81 V3 Pink Keyboard. This video demonstrates the typing sound and feel of the keyboard with its switches.

Switch Specifications

The Phantom 81 V3 Pink model typically comes with KiiBoom Pink Switches. Other KiiBoom switches are also compatible.

KiiBoom Switch Types

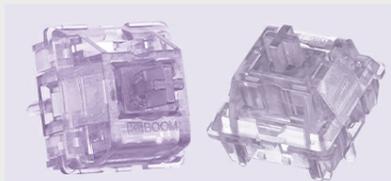
Switch Type	Type	Actuation Force	Bottom Force	Total Travel	Pre Travel
KiiBoom Pink Switch	Linear	38±15gf	42±15gf	3.80±0.2mm	1.6±0.4mm
KiiBoom Purple Switch	Linear	45±15gf	55±15gf	3.80±0.2mm	1.6±0.4mm
KiiBoom Crystal Switch	Linear	55±15gf	60±15gf	3.60±0.2mm	1.6±0.4mm

Phantom Keyboard in Pink:



KiiBoom Pink Switch
 Type: Linear
 Actuation Force: 38±15gf
 Bottom Force: 42±15gf
 Total Travel: 3.80±0.2mm
 Pre Travel: 1.6±0.4mm

Phantom Keyboard in Purple:



KiiBoom Purple Switch
 Type: Linear
 Actuation Force: 45±15gf
 Bottom Force: 55±15gf
 Total Travel: 3.80±0.2mm
 Pre Travel: 1.6±0.4mm

Phantom Keyboard in White/ Black/Blue:



KiiBoom Crystal Switch
 Type: Linear
 Actuation Force: 55±15gf
 Bottom Force: 60±15gf
 Total Travel: 3.60±0.2mm
 Pre Travel: 1.6±0.4mm

Image detailing the specifications for KiiBoom Pink, Purple, and Crystal switches.



Video: KiiBOOM x Strawberryjam1986 Strawberry Jello Switch Set. This video showcases an alternative switch set compatible with the

keyboard.



Video: Strawberry Jello Switches in Phantom81 Transparent Keyboard. This video demonstrates the appearance and sound of Strawberry Jello switches installed in the Phantom 81 keyboard.



Video: KiiBOOM Jello Switches in the Phantom81 V3 Keyboard. This video provides a closer look at KiiBOOM Jello switches within the Phantom 81 V3 keyboard.

5. BATTERY MANAGEMENT

The KiiBoom Phantom 81 V3 is equipped with an 8000mAh rechargeable battery, providing extended wireless usage.

Charging the Keyboard

Connect the keyboard to a power source using the provided USB Type-C cable. The keyboard will indicate charging status through its RGB lighting.

Checking Battery Power

To check the current battery level, press **Fn + Backspace**. The RGB lights will display the approximate battery percentage.



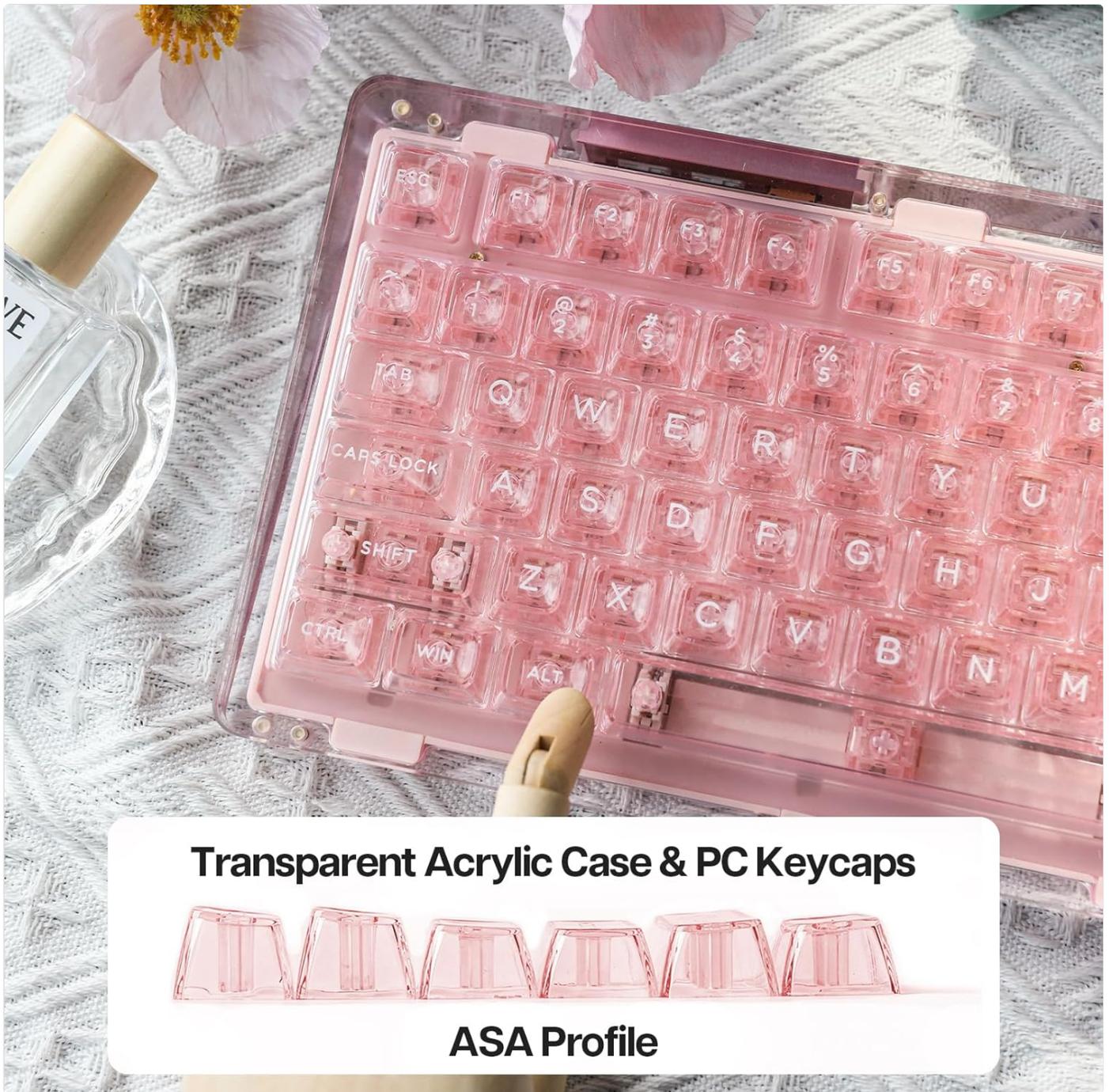
Image illustrating how to check the 8000mAh battery power using Fn+Backspace, with visual indicators for different charge levels.

6. CONSTRUCTION AND DESIGN

The KiiBoom Phantom 81 V3 features a unique transparent design and robust internal construction.

Acrylic Frame and Keycaps

The keyboard boasts a crystal-clear acrylic frame and transparent polycarbonate keycaps with UV printing, offering both durability and a distinctive aesthetic.



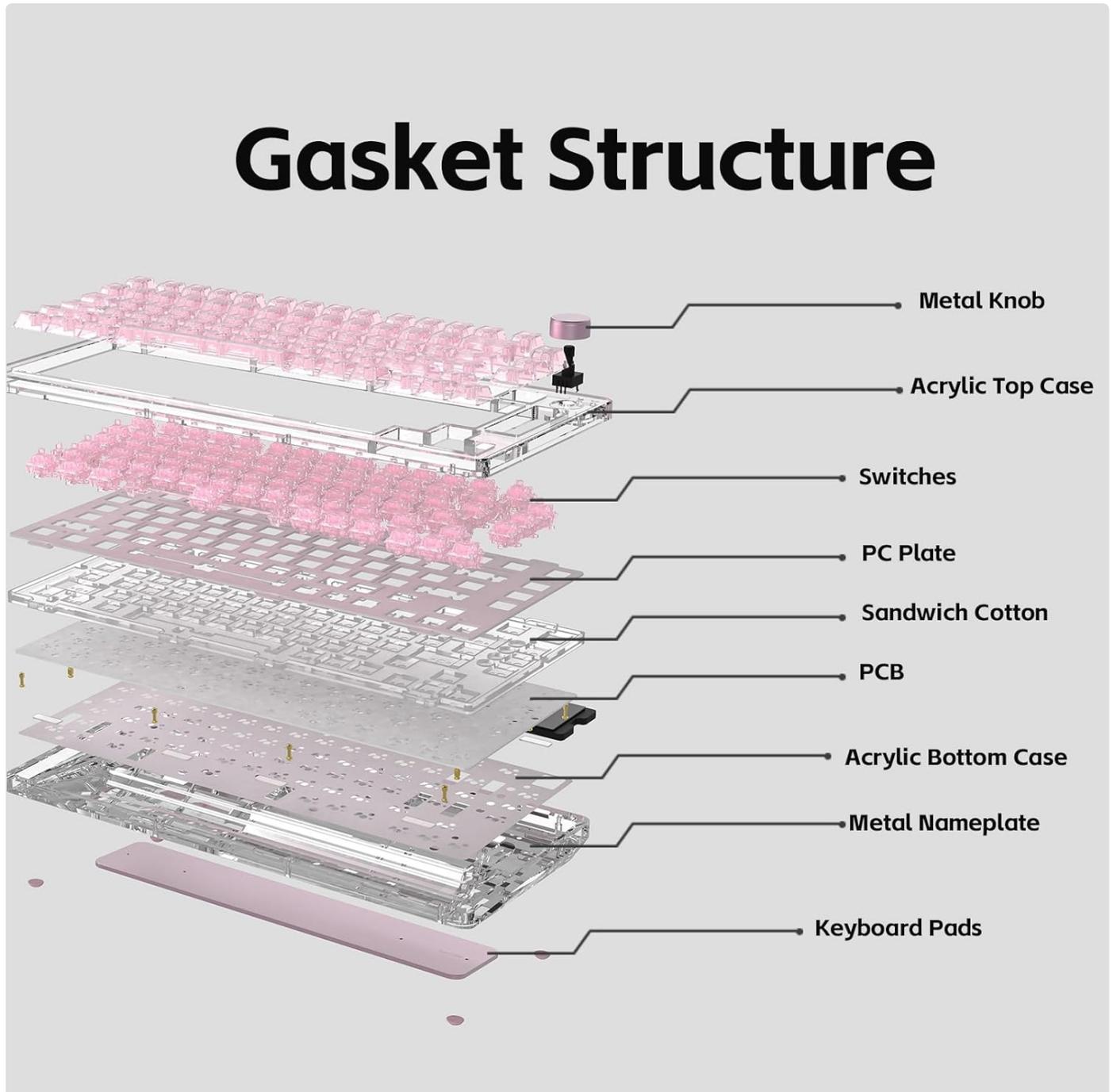
Close-up image of the transparent acrylic case and PC keycaps of the KiiBoom Phantom 81 V3 Pink keyboard, highlighting the ASA profile.



Image showcasing the polycarbonate keycaps with UV printing and their SA-Like profile measurements.

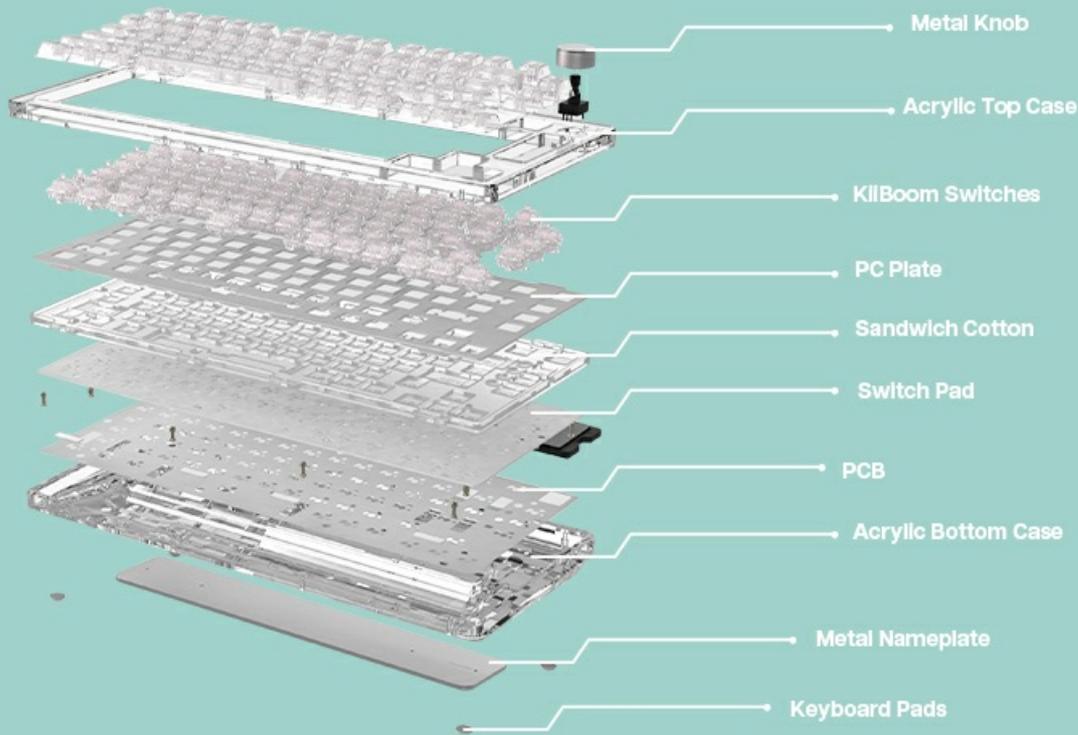
Gasket Mount Structure

The keyboard utilizes an enhanced gasket mount system with a PC (Polycarbonate) plate. This design provides a flexible, cushioned typing feel and contributes to a pleasant acoustic profile.



Exploded view diagram of the KiiBoom Phantom 81 V3 Pink keyboard's gasket structure, showing components like the metal knob, acrylic top case, switches, PC plate, sandwich cotton, PCB, acrylic bottom case, metal nameplate, and keyboard pads.

GASKET STRUCTURE



Detailed exploded view of the gasket structure, labeling key components such as the metal knob, acrylic top case, KiiBoom switches, PC plate, sandwich cotton, switch pad, PCB, acrylic bottom case, metal nameplate, and keyboard pads.

7. SPECIFICATIONS

Feature	Detail
Model	Phantom 81 V3 Pink
Layout	75% (82 keys + 1 knob)
Connectivity	Type-C Wired, Bluetooth 5.0, 2.4GHz Wireless
Switches	Hot-swappable (3-pin/5-pin compatible)
Backlighting	RGB, South-facing LEDs
Keycaps	Transparent Polycarbonate with UV printing, ASA-Like Profile
Case Material	Acrylic
Plate Material	PC (Polycarbonate)
Mounting Style	Gasket Mount
Battery Capacity	8000mAh
Operating System	Windows, Mac
Dimensions	332mm x 149mm x 47mm (approx.)

Feature	Detail
Weight	1.45kg (approx.)

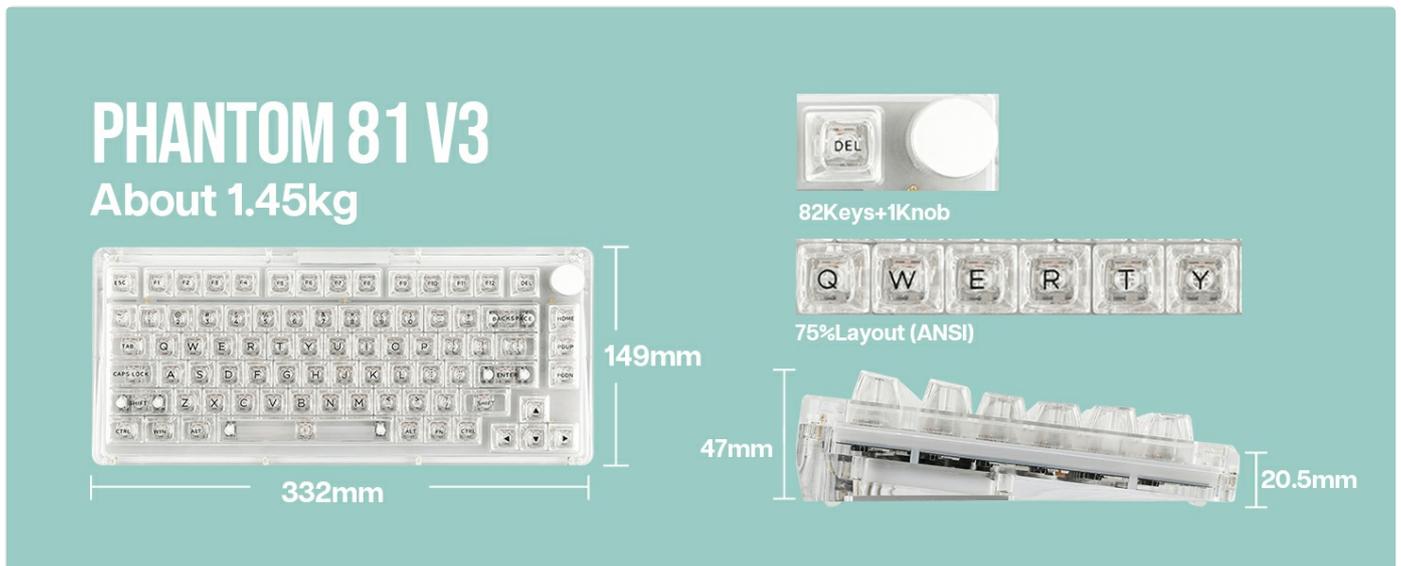


Diagram showing the dimensions and 75% layout of the KiiBoom Phantom 81 V3 keyboard.

8. MAINTENANCE

Cleaning the Keyboard

- Disconnect the keyboard from all power sources before cleaning.
- Use a soft, lint-free cloth dampened with a small amount of water or a mild cleaning solution to wipe down the keycaps and case.
- 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, as these can damage the acrylic and keycap surfaces.

General Care

- Avoid exposing the keyboard to extreme temperatures or direct sunlight.
- Do not spill liquids on the keyboard. In case of a spill, immediately disconnect power and allow it to dry completely before reconnecting.
- Handle switches and keycaps gently during removal and installation to prevent damage.

9. TROUBLESHOOTING

Keyboard Not Responding

- Ensure the keyboard is properly connected via USB, Bluetooth, or 2.4GHz.
- Check the connectivity switch on the back of the keyboard to ensure it's set to the correct mode.
- Verify the battery level. If low, connect the keyboard to a power source.
- Try restarting your computer or device.

RGB Lights Not Working

- Ensure the keyboard is powered on.
- Check the RGB control key combinations (Fn + V/J/P/B) to ensure lights are not turned off or set to a very dim

setting.

- If using customization software, ensure settings are correctly applied.

Keys Not Registering

- If a specific key is not working, try removing and re-inserting its switch to ensure it's properly seated.
- Test with a spare switch if available to rule out a faulty switch.
- Ensure no debris is obstructing the switch mechanism.

Bluetooth Connectivity Issues

- Ensure the keyboard is in Bluetooth pairing mode.
- Remove the keyboard from your device's Bluetooth list and attempt to re-pair.
- Ensure your device's Bluetooth is enabled and functioning correctly.
- Avoid excessive distance between the keyboard and the connected device.

10. WARRANTY AND SUPPORT

KiiBoom products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the official KiiBoom website or contact their customer support directly. Keep your purchase receipt as proof of purchase for warranty claims.