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RK ROYAL KLUDGE M65

RK ROYAL KLUDGE M65 Wireless Mechanical Keyboard

INSTRUCTION MANUAL

Introduction

Thank you for choosing the RK ROYAL KLUDGE M65 Wireless Mechanical Keyboard. This manual provides detailed instructions on how to set up, operate, maintain, and troubleshoot your new keyboard. Please read this manual thoroughly to ensure optimal performance and longevity of your device.

What's in the Box

- 1 × Mechanical Keyboard
- USB Cable
- 2 in 1 Keycap & Switch Puller
- 4 × Replace Switches

Product Overview

The RK ROYAL KLUDGE M65 is a compact 60% tri-mode mechanical keyboard designed for versatility and performance. It features a vintage turntable design, a premium aluminum volume knob, and dedicated arrow keys. The keyboard supports three connection modes: 2.4G wireless, Bluetooth 5.1, and USB-C wired, allowing seamless switching between multiple devices.



Image: RK ROYAL KLUDGE M65 Wireless Mechanical Keyboard in blue color scheme, showcasing its compact layout and vintage design.

RKM65

WIRELESS MECHANICAL KEYBOARD

Compact Custom Mechanical Keyboard



Hot Swappable



Pre-lubed
Linear Switch



BT5.1/2.4G/USB-C



PBT Keycaps



Gasket Structure



6000mAh Battery



60% Layout



Full RGB Backlit

Image: Overview of the RK ROYAL KLUDGE M65 highlighting key features such as hot-swappable switches, pre-lubed linear switches, tri-mode connectivity, PBT keycaps, gasket structure, 6000mAh battery, 60% layout, and full RGB backlight.

Key Features:

- **Tri-Mode Connectivity:** Supports 2.4G wireless, Bluetooth 5.1, and USB-C wired connections.
- **Gasket Mount Design:** Provides a comfortable, quieter, and more responsive typing experience with reduced vibration.
- **Hot-Swappable Switches:** Compatible with 3-pin/5-pin switches, allowing for easy customization of switch types.
- **PBT Keycaps:** Durable and resistant to wear, ensuring long-lasting quality.
- **Aluminum Volume Knob:** For convenient volume control and mute/unmute functions.
- **Battery Display:** Real-time power monitoring to prevent unexpected power loss.
- **Dynamic RGB Backlit:** Customizable backlight options for personalized aesthetics.
- **Long-Lasting Battery:** Up to 240 hours of continuous use with RGB off.

Setup

Initial Setup and Charging:

Before first use, it is recommended to fully charge the keyboard. Connect the keyboard to a USB power source using the provided USB-C cable. The battery display will indicate charging status.

Connecting Your Keyboard:

The M65 keyboard supports three connection modes: USB-C wired, 2.4G wireless, and Bluetooth 5.1.



Image: Diagram illustrating the three connection modes: Type-C Wired, 2.4GHz Wireless, and Bluetooth 5.1, with instructions for switching between them.

1. USB-C Wired Mode:

Connect the USB-C cable from the keyboard to your computer's USB port. The keyboard will automatically switch to wired mode. This mode also charges the keyboard.

2. 2.4G Wireless Mode:

Locate the 2.4G USB receiver, typically found magnetically attached to the bottom of the keyboard. Plug the receiver into an available USB port on your computer. On the keyboard, short press the dedicated 2.4G button (often indicated by a wireless icon) to select this mode. Long press the button to connect. The keyboard should connect automatically.

3. Bluetooth 5.1 Mode (Up to 3 Devices):

The M65 supports connecting to up to three Bluetooth devices. Short press one of the Bluetooth buttons (BT1, BT2, BT3) to select a channel. Long press the selected Bluetooth button to enter pairing mode (the indicator light will flash). On your device (computer, tablet, etc.), search for Bluetooth devices and select "RK ROYAL KLUDGE M65" to pair. Once paired, the indicator light will become solid. Repeat for other Bluetooth channels if connecting multiple devices.

Operating Instructions

Volume Knob Control:

The aluminum volume knob provides quick and intuitive audio control.

- **Clockwise Rotation:** Increases volume.
- **Counter-clockwise Rotation:** Decreases volume.
- **Press Down:** Mutes/Unmutes audio.



Image: Close-up of the aluminum volume knob on the RK ROYAL KLUDGE M65, showing its functions: volume up (clockwise), volume down (counter-clockwise), and mute/unmute (press).

Quick Function Keys:

Dedicated media keys allow for easy control of playback.

- **Pause:** Stops current playback.
- **Last Song:** Skips to the previous track.
- **Play/Stop:** Toggles playback.
- **Next Song:** Skips to the next track.



Image: Close-up of the quick function keys on the RK ROYAL KLUDGE M65, including Pause, Last Song, Play/Stop, and Next Song buttons.

Backlight Control:

The keyboard features dynamic RGB backlighting. Specific key combinations (often involving the Fn key) are used to change lighting modes, brightness, and speed. Refer to the keyboard's keycap legends or the official software for detailed backlight customization.

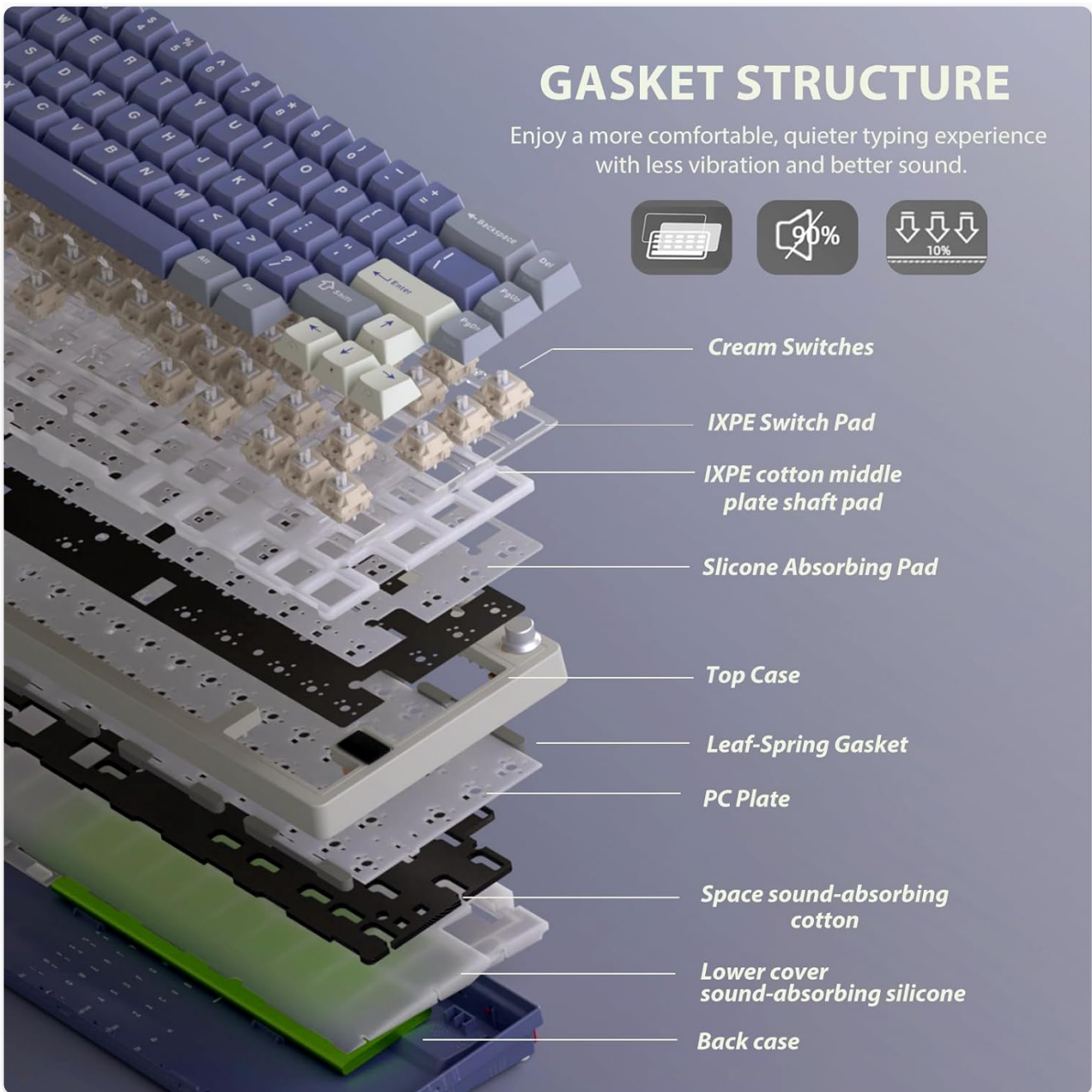


Image: The RK ROYAL KLUDGE M65 keyboard displaying its dynamic RGB backlighting, illuminating the keys with various colors.

Maintenance

Cleaning the Keyboard:

To maintain the keyboard's appearance and functionality, regularly clean it. Use a soft, lint-free cloth to wipe down the keycaps and chassis. For deeper cleaning, you can use a can of compressed air to remove dust and debris from between the keys. Avoid using harsh chemicals or abrasive materials.

Switch and Keycap Replacement:

The M65 features hot-swappable switches, allowing you to easily change switches without soldering. Use the included 2-in-1 keycap and switch puller for this process.

TRI-MODE CONNECTION

Support various systems and devices



Image: Close-up view of the PCB hot-swappable sockets on the RK ROYAL KLUDGE M65, showing how switches can be easily removed and replaced. Also visible are cream switches and PBT keycaps.

1. Removing Keycaps:

Gently place the keycap puller over the keycap you wish to remove and pull straight up. Do not twist or pull at an angle to avoid damaging the keycap or switch.

2. Removing Switches:

After removing the keycap, use the switch puller to grasp the top and bottom clips of the switch. Apply gentle pressure and pull the switch straight up from the PCB. Ensure the switch is fully disengaged before pulling.

3. Installing Switches:

Align the pins of the new switch with the holes on the PCB. Gently push the switch down until it clicks into place. Ensure the switch is seated firmly and evenly. Do not force the switch, as this can bend the pins.

4. Installing Keycaps:

Align the keycap with the stem of the switch and press down firmly until it is securely attached.

Troubleshooting

- **Keyboard Not Responding:**

- Ensure the keyboard is charged.
- Check the connection mode (wired, 2.4G, Bluetooth) and ensure it matches your device's connection.
- For wired mode, try a different USB port or cable.
- For 2.4G, ensure the dongle is securely plugged in and try re-pairing.
- For Bluetooth, ensure Bluetooth is enabled on your device, unpair and re-pair the keyboard.

- **Keys Not Registering or Double Typing:**

- Remove the keycap and switch for the affected key. Check for any debris or bent pins. Reinstall the switch firmly.
- If the issue persists, try replacing the switch with one of the spare switches provided.

- **Backlight Not Working or Incorrect:**

- Ensure the backlight is enabled via key combinations.
- Check the keyboard's battery level; low battery can affect backlight performance.
- If using the software, ensure the correct lighting profile is selected.

- **Bluetooth Disconnection Issues:**

- Ensure the keyboard is within the effective range of your Bluetooth device.
- Minimize interference from other wireless devices.
- Update Bluetooth drivers on your computer.

Technical Specifications

Feature	Specification
Model	M65
Connectivity	Bluetooth 5.1, 2.4G RF, USB-C Wired
Keyboard Description	Mechanical
Switch Type	Cream Switch (Hot-Swappable)
Keycap Material	PBT
Number of Keys	65
Backlighting	RGB
Battery Capacity	6000 mAh
Battery Life (RGB off)	Up to 240 hours
Product Dimensions	12 x 5 x 1.7 inches (30.48 x 12.7 x 4.32 cm)
Item Weight	2.46 pounds (1.11 kg)
Compatible Devices	Laptop, PC, Gaming Console

Warranty and Support

Warranty Information:

RK ROYAL KLUDGE products are covered by a limited warranty against manufacturing defects. Please retain your proof of purchase for warranty claims. For specific warranty terms and conditions, refer to the official RK ROYAL KLUDGE website or contact customer support.

Customer Support:

If you encounter any issues not covered in this manual or require further assistance, please contact RK ROYAL KLUDGE customer support. Visit the official RK ROYAL KLUDGE website for contact details, FAQs, and driver downloads. Note that for macOS, only the Web Driver is supported for software customization.

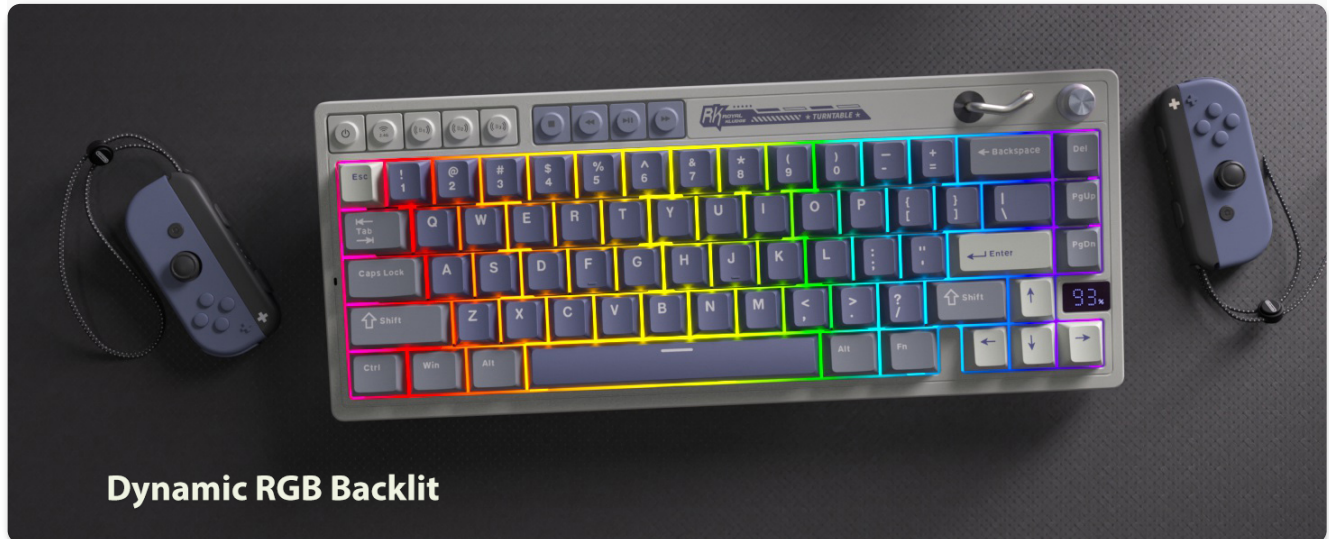


Image: Screenshot of the RK HUB WEB interface, indicating support for Full RGB customization, Programmable Keys, and Web Driver/Software for both Windows and Mac (Mac only supports Web Driver).