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› EPOMAKER SK64S Mechanical Keyboard User Manual

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Model: SK64S

1. INTRODUCTION

This manual provides detailed instructions for the EPOMAKER SK64S mechanical keyboard. The SK64S is a 60% layout hot-swappable keyboard featuring Bluetooth 5.1 wireless and wired connectivity, RGB backlighting, and PBT keycaps. It is designed for compatibility with both Windows and Mac operating systems.



Figure 1: Top-down view of the EPOMAKER SK64S mechanical keyboard with RGB backlighting active.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- EPOMAKER SK64S Mechanical Keyboard
- USB Type-C Cable

- Keycap Puller
- Switch Puller
- Additional Keycaps (Control, Option, Command for Mac layout)
- User Manual (this document)



Figure 2: EPOMAKER SK64S keyboard with its accessories, including the USB-C cable, keycap puller, switch puller, and extra keycaps.

3. SETUP AND CONNECTION

3.1 Wired Connection

1. Connect the USB Type-C end of the provided cable to the port on the keyboard.
2. Connect the USB-A end of the cable to an available USB port on your computer.
3. The keyboard will be automatically recognized by your operating system.

3.2 Bluetooth Wireless Connection

The SK64S supports Bluetooth 5.1 for wireless connectivity. Ensure the keyboard is charged or connected via USB for initial setup if the battery is low.

1. Turn on the Bluetooth switch on the underside of the keyboard (if available, otherwise assume key combination).
2. Press **FN + Z**, **FN + X**, or **FN + C** to select one of the three available Bluetooth channels. The corresponding key's backlight will flash, indicating pairing mode.
3. On your computer or device, navigate to Bluetooth settings and search for new devices.
4. Select "SK64S" from the list of available devices to pair.
5. Once paired, the key's backlight will stop flashing and remain steadily lit.

To switch between paired Bluetooth devices, press **FN + Z**, **FN + X**, or **FN + C** for the desired channel.

3.3 Charging the Keyboard

Connect the keyboard to a USB port on your computer or a USB wall adapter using the provided Type-C cable. The keyboard's RGB lighting may indicate charging status (e.g., a specific color or animation). A full charge provides approximately 1900mAh of battery life.

4. OPERATION

4.1 Basic Key Functions

The SK64S features a 60% layout with dedicated arrow keys. Many functions are accessed via the **FN** key combination.

Advanced customization of RGB lighting can be performed using the dedicated software (refer to the EPOMAKER website for software download).

4.3 Programmable Modes

The SK64S supports three programmable layers, allowing for extensive key remapping and macro creation. These configurations are stored on the keyboard's onboard FLASH memory.

- **User Defined Mode (Layer 1):**

- Press **FN + W**. The 'W' key's white light will illuminate, indicating entry into Layer 1 for customization.
- Use the dedicated software to program keys in this layer.
- Press **FN + W** again to exit Layer 1 and return to the normal keyboard layout.

- **Mac OS Mode (Layer 2):**

- Press **FN + E**. The 'E' key's white light will illuminate, activating the Mac OS keyboard layout.
- This mode optimizes key functions for macOS environments.
- Press **FN + E** again to exit Mac OS Mode and return to the normal keyboard layout.



Figure 4: Included keycaps for Mac OS layout, allowing users to replace standard Windows keys with Control, Option, and Command.

- **FNX Adjustable Function Define Mode (Layer 3):**

- Press **FN + R**. The 'R' key's white light will illuminate, indicating entry into Layer 3 for advanced function definition.
- This layer allows for further customization of key functions.
- Press **FN + R** again to exit Layer 3 and return to the normal keyboard layout.

For detailed programming instructions, refer to the EPOMAKER software documentation.

4.4 N-Key Rollover (NKRO) and Anti-Ghosting

The SK64S supports N-Key Rollover and anti-ghosting, ensuring that every key press is registered accurately, even when multiple keys are pressed simultaneously. This feature is active in both wired and wireless modes.

5. MAINTENANCE

5.1 Cleaning the Keyboard

To clean your keyboard:

- Disconnect the keyboard from your computer.
- Use a soft brush or compressed air to remove dust and debris from between the keycaps.
- For stubborn dirt, gently wipe the keycaps with a damp cloth and mild soap solution. Ensure no liquid enters the keyboard.
- The mainboard features an IP6X dustproof design, reducing concerns about internal dust accumulation.

5.2 Hot-Swappable Switches

The SK64S is equipped with Gateron Optical Switches, which are hot-swappable. This allows you to replace switches without soldering.

1. Using the provided keycap puller, carefully remove the desired keycap.
2. Using the provided switch puller, gently grip the top and bottom clips of the switch and pull upwards to remove it.
3. Align the pins of the new Gateron Optical Switch with the holes on the PCB.
4. Press the new switch firmly into place until it clicks. Ensure it is seated correctly and functions properly before replacing the keycap.

Note: Only Gateron Optical Switches are compatible with the hot-swappable sockets on this keyboard.

5.3 PBT Keycaps

The SK64S features PBT thermal sublimation keycaps, known for their durability, high abrasive resistance, and oil-proof properties. This ensures the legends will not fade over time with regular use.

6. TROUBLESHOOTING

If you encounter issues with your EPOMAKER SK64S keyboard, refer to the following common solutions:

Problem	Possible Cause / Solution
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Problem	Possible Cause / Solution
Keyboard not recognized (Wired)	• Ensure the USB Type-C cable is securely connected to both the keyboard and the computer. • Try a different USB port on your computer. • Test with a different USB Type-C cable. • Restart your computer.
Keyboard not connecting (Bluetooth)	• Ensure the keyboard's Bluetooth switch is ON. • Verify the keyboard is in pairing mode (FN + Z/X/C, key flashing). • Check your device's Bluetooth settings to ensure Bluetooth is enabled and searching for devices. • Remove previous "SK64S" pairings from your device and attempt to pair again. • Ensure the keyboard battery is sufficiently charged. • Try pairing with another device to rule out device-specific issues.
Keys not responding or double-typing	• A switch may be faulty or not seated correctly. Use the switch puller to remove and re-insert the switch. • If the issue persists, consider replacing the switch with a new Gateron Optical Switch. • Ensure the keyboard firmware is up to date (check EPOMAKER website).
RGB backlighting not working or incorrect	• Adjust brightness using FN + [{ and FN +] }. • Cycle through lighting effects using FN + \ . • Ensure no software conflicts are present if using custom lighting profiles. • Perform a factory reset (refer to EPOMAKER software or advanced manual for specific key combination, if available).
Incorrect key layout (e.g., Windows keys on Mac)	• Ensure you are in the correct operating mode. Press FN + E to toggle Mac OS Mode. • Check your computer's operating system keyboard settings.

7. SPECIFICATIONS

Feature	Detail
Model	SK64S Wired/Wireless Mechanical Keyboard
Number of Keys	64 Keys
Switch Type	Gateron Optical Switch (Hot-swappable)
Connection	USB Type-C Wired / Bluetooth 5.1 Wireless

Feature	Detail
Keycap Material	PBT + ABS (PBT for keycaps, ABS for case)
Cable Length	1.5m USB Cable
System Support	Windows / Android / Mac OS
Anti-Ghosting	NKRO (N-Key Rollover)
Backlight	16 million RGB backlight
Battery Capacity	1900mAh
Keyboard Dimensions	295 * 105 * 45mm
Keyboard Weight	768g
Dustproof Rating	IP6X (Mainboard)

8. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official EPOMAKER website. If you require technical support or have questions not covered in this manual, please contact EPOMAKER customer service through their official channels.
Official EPOMAKER Store: [EPOMAKER Store on Amazon](#)

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

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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