

[Manuals.plus](#) /

› [EPOMAKER](#) /

› EPOMAKER Skyloong SK61 61-Key Mechanical Keyboard User Manual

EPOMAKER SK61

EPOMAKER Skyloong SK61 61-Key Mechanical Keyboard User Manual

Model: SK61

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your EPOMAKER Skyloong SK61 mechanical keyboard. The SK61 is a 60% layout, 61-key hot-swappable keyboard featuring RGB backlighting and broad compatibility with Windows and Mac operating systems.

2. PACKAGE CONTENTS

Please verify that all items are present in the package:

- EPOMAKER Skyloong SK61 Mechanical Keyboard
- USB Type-C to Type-A Cable (152 cm)
- Keycap Puller
- Switch Puller



Image: Contents of the EPOMAKER SK61 package, including the keyboard, USB-C cable, keycap puller, and switch puller.

3. SETUP

3.1 Connecting the Keyboard

The SK61 keyboard connects via a wired USB Type-C connection. It is a plug-and-play device, requiring no additional drivers for basic functionality.

1. Locate the USB Type-C port on the back of the keyboard.
2. Connect the smaller end of the provided USB Type-C to Type-A cable to the keyboard's Type-C port.
3. Connect the larger USB Type-A end of the cable to an available USB port on your computer (Windows PC or Mac).
4. The keyboard will be automatically recognized by your operating system.



Image: The EPOMAKER SK61 keyboard with its USB-C cable connected, ready for use.

3.2 Software Installation (Optional)

For advanced customization, including RGB lighting effects and macro programming, download the official EPOMAKER software from the manufacturer's website. The software allows for three layers of user-programmable editing modes.



Image: A screenshot of the EPOMAKER programmable software interface, showing options for key remapping, macro settings, and RGB lighting customization.

4. OPERATING INSTRUCTIONS

4.1 Keyboard Layout and Features

The SK61 features a compact 60% layout, optimizing desk space while retaining essential functionality through function layer combinations. It is equipped with hot-swappable Gateron optical switches, allowing for easy switch replacement without soldering.

 x 

SK61

Mechanical Keyboard


60% Layout


Hot Swappable


Wired Keyboard


Programmable


North-facing LED


RGB Backlight



Image: A visual comparison illustrating the compact 60% layout of the SK61 keyboard relative to a standard full-size keyboard.

4.2 RGB Backlighting

The SK61 features 16.8 million color RGB SMD lighting with multiple pre-programmed modes. These modes can be cycled through directly on the keyboard without software, or customized further using the dedicated software. Available backlight modes include Aurora, Ripple, Music, Rainbow, Waves, Gradient, Windmill, Spectrum, and single lighting effects. The keyboard's chipset includes independent RGB color management chips for dynamic lighting effects, including musical rhythm synchronization.

4.3 N-Key Rollover (NKRO)

The SK61 supports N-Key Rollover, ensuring that every keypress is registered accurately, even when multiple keys are pressed simultaneously. This feature is crucial for fast typing and gaming.



Image: A visual representation of N-Key Rollover, showing multiple simultaneous key presses being registered.

4.4 Compatibility

The EPOMAKER SK61 is compatible with a wide range of operating systems, including Windows 10/8/7, Win Vista, Windows XP, and Mac OS.



Image: The SK61 keyboard shown with both Mac and Windows operating systems, highlighting its broad compatibility.

4.5 Gateron Optical Switches

The SK61 utilizes Gateron optical switches, known for their durability and smooth actuation. The hot-swappable design allows users to easily change switch types to suit their preference.

GATERON OPTICAL SWITCHES

	SWITCH NAME	SWITCH TYPE	OPERATING FORCE	ACTUATION TRAVEL	TOTAL TRAVEL
	GATERON OPTICAL RED	LINEAR	45 ± 15gf	2.0 ± 0.6mm	4.0 ± 0.4mm
	GATERON OPTICAL BROWN	TACTILE	55 ± 15gf	2.0 ± 0.6mm	4.0 ± 0.4mm
	GATERON OPTICAL BLACK	LINEAR	60 ± 15gf	2.0 ± 0.6mm	4.0 ± 0.4mm
	GATERON OPTICAL BLUE	CLICKY	55 ± 15gf	2.3 ± 0.6mm	4.0 ± 0.4mm

Image: A table providing detailed specifications for various Gateron optical switch types, including switch name, type, operating force, actuation travel, and total travel.

5. MAINTENANCE

5.1 Cleaning the Keyboard

To maintain optimal performance and appearance, regularly clean your keyboard. Use a soft, lint-free cloth for general dusting. For deeper cleaning, you may use a can of compressed air to remove debris from between keycaps.

5.2 Keycap and Switch Replacement

The SK61 features durable double-shot ABS keycaps and hot-swappable optical switches, allowing for easy customization and replacement.

- 1. Removing Keycaps:** Use the provided keycap puller. Gently hook the puller onto the keycap and pull straight up to remove it.
- 2. Removing Switches:** After removing the keycap, use the provided switch puller. Align the prongs of the switch puller with

the clips on the top and bottom of the switch. Squeeze the clips and pull the switch straight up.

- 3. **Installing Switches:** Align the pins of the new optical switch with the holes on the PCB. Press the switch firmly until it clicks into place. Ensure the switch is seated correctly and not bent.
- 4. **Installing Keycaps:** Align the keycap with the switch stem and press down gently until it is fully seated.



Image: A close-up view demonstrating the removal of a keycap and the underlying hot-swappable optical switch on the SK61 keyboard.



Image: An illustration of double-shot ABS keycaps, highlighting their construction and Cherry profile, which contributes to their durability and feel.

6. TROUBLESHOOTING

6.1 Common Issues and Solutions

Issue	Possible Cause	Solution
Keyboard not responding	Loose USB connection, incorrect port, driver issue.	Ensure USB cable is securely connected. Try a different USB port or computer. Restart your computer.
RGB lighting not working or incorrect	Lighting mode not selected, software conflict.	Cycle through lighting modes using keyboard shortcuts. Check the EPOMAKER software for lighting settings. Reinstall software if necessary.

Issue	Possible Cause	Solution
Specific keys not working	Faulty switch, debris under keycap.	Remove keycap and check for debris. If hot-swappable, try replacing the switch with a known working one.
"Spring ping" noise from switches	Normal characteristic of some mechanical switches.	This is often a characteristic of the switch type. Lubing the switches can reduce this sound.

If you encounter issues not listed here, or if the suggested solutions do not resolve the problem, please refer to the official EPOMAKER support resources.

7. SPECIFICATIONS

Feature	Detail
Brand	EPOMAKER
Model	SK61 (Series: sk61 gk61)
Product Dimensions	29.2 x 10.2 x 3.1 cm
Weight	600 g
Color	White
Connectivity	USB-C Wired
Number of Keys	61
Switch Type	Hot-swappable Gateron Optical Switches
Keycap Material	Double-shot ABS
Backlighting	RGB (16.8 million colors)
Compatibility	Windows, Mac OS
Special Features	Programmable keys, Ergonomic, Dustproof

60% Layout Hotswap Mechanical Keyboard

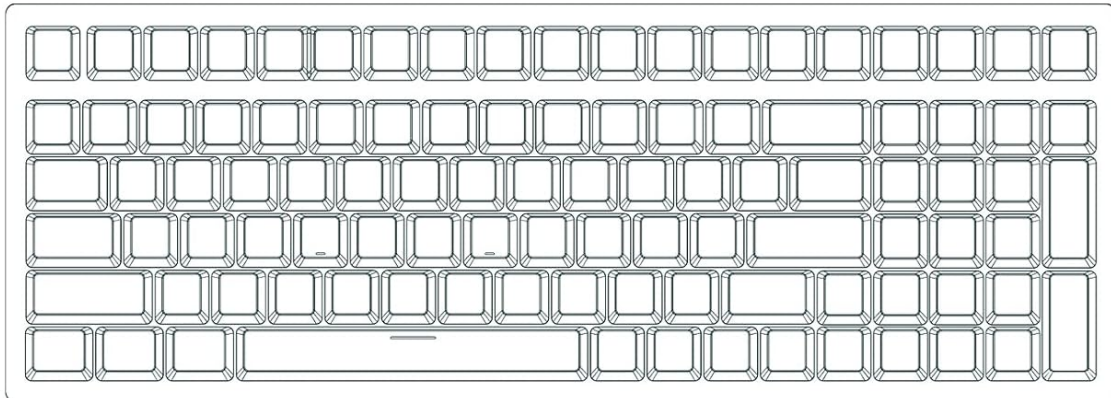


Image: The EPOMAKER SK61 keyboard with its approximate dimensions (length 29.3cm, width 12cm, height 1.6cm) indicated.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official EPOMAKER website or contact their customer service directly. Details regarding warranty periods and service procedures are typically provided with your purchase documentation or on the product support page.

You can visit the EPOMAKER store on Amazon for more products and information: [EPOMAKER Store](#)

© 2024 EPOMAKER. All rights reserved.

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