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Skyloong GK108 Mechanical Gaming Keyboard User Manual

Model: GK108

INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your Skyloong GK108 Mechanical Gaming Keyboard. Please read this manual carefully before using the product to ensure optimal performance and longevity.

3-layer programmable download mode



DIY user mode

Press Fn+6^ to enter user mode **layer1** (1), "6^" lights white. Press FN+W again, back to standard mode.

DIY Mac OS mode

Press Fn+7& to enter Mac OS mode **layer2** (2), "7&" lights white. Press FN+E again, back to standard mode.



FNX layer3 function definition

Press Fn+8* to enter FNX mode **layer3** (3), "8*" lights white. Press FN+R again, back to standard mode.

Image: Front view of the Skyloong GK108 Mechanical Gaming Keyboard, showcasing its full layout and RGB backlighting.

PACKAGE CONTENTS

- Skyloong GK108 Mechanical Gaming Keyboard
- USB Type-C to Type-A Cable (1.52m)
- Keycap Puller Tool
- Switch Puller Tool (for hot-swappable switches)

SETUP

Follow these steps to set up your GK108 keyboard:

1. **Connect the USB Cable:** Locate the Type-C port on the back of the keyboard. Connect the Type-C end of the provided USB cable to the keyboard and the Type-A end to an available USB port on your computer.



Image: Close-up view of the Type-C interface on the keyboard, showing the USB cable being connected. Ensure the cable is securely inserted.

2. **Cable Routing Options:** The keyboard features three-way cable outlets on the bottom, allowing you to route the USB cable to the left, middle, or right for a tidy desk setup.



Image: Diagram showing the bottom of the keyboard with three distinct channels for cable management: left, middle, and right outlets. This allows users to choose the most convenient routing for their setup.

3. **System Compatibility:** The keyboard is plug-and-play and compatible with Windows 10/8/7, Windows Vista, Windows XP, and Mac OS. No additional drivers are typically required for basic functionality.

OPERATING INSTRUCTIONS

RGB Backlight Control

The GK108 features 16.8 million color RGB backlighting with multiple dynamic lighting modes. No drivers are needed for basic backlight control.

- **Available Modes:** Twilight, Small Ripple, Music Rhythm, Rainbow and Waves, Gradient Wheel, Spectra, and Single Light modes.
- Refer to the keyboard's quick function guide (often printed on the keycaps or included in a separate leaflet) for specific key combinations to cycle through modes, adjust brightness, and change colors.

Programmable Layers and Macros

The GK108 supports three fully programmable layers, allowing extensive customization of key functions and macros. To access advanced programming features, download the dedicated driver software from the official Skyloong website.

- **Layer 1: DIY User Mode**
 - Press **Fn + 6^** to enter DIY User Mode. The "6^" key will light white.
 - Press **Fn + W** again to return to standard mode.
- **Layer 2: DIY Mac OS Mode**
 - Press **Fn + 7&** to enter DIY Mac OS Mode. The "7&" key will light white.
 - Press **Fn + E** again to return to standard mode.
- **Layer 3: FNX Function Definition Mode**
 - Press **Fn + 8*** to enter FNX Function Definition Mode. The "8*" key will light white.
 - Press **Fn + R** again to return to standard mode.



Image: Visual guide illustrating the key combinations (Fn+6, Fn+7, Fn+8) to switch between the three programmable layers (DIY User, DIY Mac OS, FNX Function Definition) and their corresponding indicator lights.

The built-in flash memory saves your customized settings, ensuring they are retained even when the keyboard is disconnected.

Hot-Swappable Switches

The GK108 features hot-swappable sockets, allowing users to change KTT Brown switches with other compatible optical switches without soldering. This feature extends the keyboard's lifespan and offers

customization flexibility.

- To remove a switch, use the included switch puller tool to gently grip and pull the switch upwards.
- To install a new switch, align its pins with the sockets on the PCB and press down firmly until it clicks into place. Ensure the switch is properly seated to avoid damage.

MAINTENANCE

Proper maintenance ensures the longevity and performance of your keyboard:

- **Cleaning Keycaps:** Use the included keycap puller to remove keycaps. Clean them with a mild soap solution and a soft cloth, then dry thoroughly before reattaching.
- **Cleaning the Keyboard Base:** Use compressed air to remove dust and debris from between the switches. Wipe the surface with a slightly damp, lint-free cloth.
- **Avoid Liquids:** Do not spill liquids on the keyboard. If a spill occurs, immediately disconnect the keyboard and allow it to dry completely before reconnecting.
- **Storage:** Store the keyboard in a dry, dust-free environment when not in use.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Keyboard not responding	Loose USB connection, faulty cable, driver issue, or system conflict.	<ol style="list-style-type: none">1. Ensure the USB cable is securely connected to both the keyboard and the computer.2. Try a different USB port on your computer.3. Test with a different USB cable if available.4. Restart your computer.
Backlight not working or incorrect	Backlight mode setting, software conflict.	<ol style="list-style-type: none">1. Cycle through backlight modes using keyboard shortcuts (refer to operating instructions).2. Adjust brightness settings.3. If using custom software, ensure it is running correctly or try resetting keyboard settings.
Keys not registering or double-typing	Dust/debris under keycap, faulty switch, software issue.	<ol style="list-style-type: none">1. Remove the keycap and clean the switch area with compressed air.2. If the issue persists, consider replacing the switch (due to hot-swappable design).3. Ensure keyboard firmware is up to date.

SPECIFICATIONS

Feature	Detail
Brand	Skyloong
Model	GK108
Keyboard Type	Mechanical Gaming Keyboard
Switch Type	KTT Brown (Hot-Swappable Optical)
Connectivity	USB-C (Wired)
Backlight	RGB (16.8 Million Colors, Multiple Modes)
Programmable Layers	3 User-Defined Layers
Compatible Devices	PC, Mac
Operating Systems	Windows 10/8/7/Vista/XP, Mac OS
Keycap Material	Double-shot ABS
Cable Length	1.52m (USB Type-C to Type-A)
Included Components	Keycap Puller, USB Cable, Switch Puller
Internal Architecture	32-bit M3 MCU, 8M Flash Memory, 3 independent 256x256x256 RGB color control chips



Image: Detailed view of the keyboard's internal circuit board, highlighting the 32-bit M3 MCU, 8M Flash memory, and individual RGB color control chips (R, G, B) for advanced lighting effects.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official Skyloong website. Keep your proof of purchase for warranty claims.