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Glacier Glacier Skyloong GK104 Pro

Glacier Skyloong GK104 Pro Mechanical Keyboard User Manual

Model: Glacier Skyloong GK104 Pro

Brand: Glacier

1. INTRODUCTION

The Glacier Skyloong GK104 Pro is a versatile full-size mechanical keyboard designed for both productivity and gaming. It features triple-mode connectivity (wireless 2.4G, Bluetooth, and wired USB-C), hot-swappable switches, customizable display screens, and integrated knobs for enhanced functionality. This manual provides detailed instructions for setup, operation, and maintenance of your keyboard.



Figure 1: Glacier Skyloong GK104 Pro Mechanical Keyboard and included coiled cable.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- Glacier Skyloong GK104 Pro Mechanical Keyboard
- USB-A to USB-C Cable (Standard or Premium Coiled Cable)
- Switch and Keycap Puller Tool
- User Manual (this document)



Figure 2: Included premium coiled USB-C cable.

***Free Switches/Caps Puller Included**



Figure 3: The included switch and keycap puller tool facilitates customization.

3. SETUP

3.1 Connectivity Options

The Glacier Skyloong GK104 Pro supports three connection modes:

1. **Wired Connection:** Connect the keyboard to your computer using the provided USB-C cable. This mode provides the most stable connection and charges the keyboard.
2. **2.4G Wireless:** Insert the 2.4G USB receiver (not explicitly listed in "whats_in_the_box" but implied by "wireless" feature) into an available USB port on your device. The keyboard should automatically connect.
3. **Bluetooth 5.1:**
 - a. Ensure the keyboard is in Bluetooth pairing mode (refer to keyboard's specific indicator for Bluetooth).
 - b. On your device (PC, smartphone, tablet), navigate to Bluetooth settings.
 - c. Select the keyboard from the list of available devices to pair.

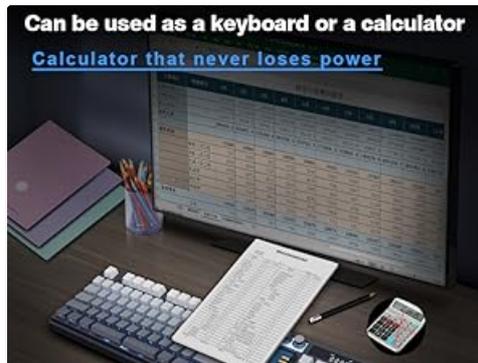


Figure 4: The keyboard supports Bluetooth 5.1, 2.4G wireless, and wired connections.

3.2 Software Installation

For full customization of RGB lighting, key remapping, and screen functions, it is recommended to install the official software. The primary driver for RGB and key customization is the **GK6Xplus Driver (also known as CMSengine)**. For screen customization, use **GMonitor V2.2**. Please visit the official Glacier website for the latest software versions and installation instructions.

The keyboard supports both Windows and Mac operating systems. Dedicated drivers or applications are available for each platform.



Figure 5: Software interfaces for Windows and Mac systems.

4. OPERATING INSTRUCTIONS

4.1 Basic Keyboard Functions

The GK104 Pro functions as a standard full-size keyboard. All keys perform their labeled functions by default. For advanced key remapping, refer to the software section (3.2).

4.2 Screen and Knob Functions

The keyboard features a vibrant TFT LCD RGB screen (available in 1.7-inch or 2.0-inch resolutions) and integrated knobs for quick adjustments.

- **Screen Display:** The screen can display various information, images, or GIFs (up to 15MB).
- **Screen Menu:** To access the screen's internal menu, hold **FN + Menu button** (the button next to the screen) for approximately 3 seconds. Use the arrow keys, Enter, and Back to navigate. Language settings are typically found at the bottom of this menu.
- **Switching Views:** Press **FN + ~`** to cycle through different display views on the screen.
- **Knob Control:** The knobs are typically used for volume adjustment and other multimedia controls. Their functions can be customized via the software.



Figure 6: The color screen and cyclone shaft knob modules are hot-swappable for customization.

4.3 Integrated Calculator Function

The GK104 Pro includes a voice broadcast assistant for its calculator function, enhancing productivity.

- **Activate Calculator:** Press the switch located on the right side of the keyboard to the "I" position to activate the calculator function.
- **Normal Digital Area:** Press the switch towards "O" for normal digital area function.
- **Voice Broadcast Toggle:** Press **FN + Num0** (on the number pad) to turn the voice broadcast on or off.



Figure 7: The calculator function can be activated via a dedicated switch.



Figure 8: The keyboard can function as a standalone calculator.

4.4 Hot-Swappable Switches and Keycaps

The GK104 Pro supports hot-swappable 3-pin or 5-pin mechanical switches, allowing for easy customization without soldering. The keycaps are also replaceable.

- **Replacing Switches:** Use the included switch puller tool to gently remove existing switches. Align the pins of the new switch with the sockets on the PCB and press firmly until it clicks into place.
- **Replacing Keycaps:** Use the keycap puller side of the tool to carefully remove keycaps. Press new keycaps onto the switch stems until secure.



Switch Hot swappable

The switch body can be freely replaced

Figure 9: Hot-swappable design allows for easy switch replacement.



OEM-PBT **Side Print Keycaps**

Figure 10: The keyboard features OEM-PBT side print keycaps.

4.5 Split Space Bar Functionality

The keyboard supports a split space bar configuration, which can be replaced with a normal space bar if preferred.

- The split space bar module can be easily replaced by swapping the satellite shaft and keycap.
- This feature allows for greater customization and ergonomic preference.



Figure 11: The split space bar can be freely replaced with a normal space bar.

4.6 RGB Lighting Control

The keyboard features RGB backlighting with various effects.

- **Toggle Backlight:** Press **FN + 9** to turn the backlight on or off.
- **Advanced Customization:** Use the GK6Xplus Driver (CMSengine) software for detailed control over RGB patterns, colors, and brightness.

4.7 Profile Management

The keyboard supports different profiles for various operating systems or user preferences.

- **Switch to Windows Profile:** Hold **FN + 6** (above T/Y keys) for approximately 6 seconds, or until the key lights up white, to switch to the Windows profile. This profile is often used for saving custom settings via software.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your keyboard.

- **Cleaning:** Regularly clean the keyboard with a soft, dry cloth. For deeper cleaning, remove keycaps and use compressed air to clear debris from between switches. Avoid using harsh chemicals or abrasive materials.

- **Storage:** Store the keyboard in a cool, dry place away from direct sunlight and extreme temperatures.
- **Liquid Exposure:** Avoid spilling liquids on the keyboard. In case of accidental spills, immediately disconnect the keyboard, dry it thoroughly, and allow it to air dry completely before reconnecting.

6. TROUBLESHOOTING

If you encounter issues with your Glacier Skyloong GK104 Pro, refer to the following common solutions:

- **Connectivity Issues:**
 - Ensure the cable is securely connected in wired mode.
 - For 2.4G wireless, verify the USB receiver is properly inserted and the keyboard is in 2.4G mode.
 - For Bluetooth, ensure the keyboard is in pairing mode and your device's Bluetooth is enabled and searching. Try re-pairing the device.
- **Software Malfunctions:**
 - Ensure you have downloaded the correct and latest version of the GK6Xplus Driver (CMSengine) and GMonitor V2.2 from the official Glacier website.
 - If the screen customization software (GMonitor V2.2) fails to send images, try unplugging and replugging the keyboard while the software is open.
 - Restart your computer and the keyboard.
- **Keypress Sounds:** If the keyboard produces unexpected sounds on keypress (e.g., "bubble pop" sounds), press **FN + Num0** to silence the voice broadcast.
- **Battery Indicator Light:** If the '4' key is lit a different color, it might indicate the battery indicator light. Hold **FN + 4** (above E/R keys) for 6 seconds to remove this light.
- **Screen Not Displaying:** If the screen goes black or is unresponsive, ensure the screen module is properly seated. If issues persist, contact customer support.

7. SPECIFICATIONS

Feature	Detail
Model Number	Glacier Skyloong GK104 Pro
Brand	Glacier
Connectivity Technology	Wired/Wireless (2.4G, Bluetooth 5.1)
Keyboard Description	Mechanical
Number of Keys	104
Special Features	Backlit (RGB), Customizable Display Keys, Ergonomic, Hot-Swappable, Volume Knobs, Voice Calculator, Split Space Bar
Compatible Devices	Gaming Console, PC, Smartphone, Tablet
Item Weight	3.89 pounds
Package Dimensions	19 x 7.5 x 2.2 inches
Keyboard Backlighting Color Support	RGB

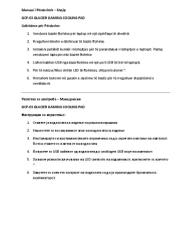
Style	Modern
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8. WARRANTY AND SUPPORT

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

Official Website: [Glacier PC Gaming Store](#)

Related Documents - Glacier Skyloong GK104 Pro

	<p>GCP-03 Glacier Gaming Cooling Pad User Manual</p> <p>User manual for the GCP-03 Glacier Gaming Cooling Pad, providing instructions for use in English and Macedonian.</p>
	<p>Glacier GM-41R 47\" Merchandiser Refrigerator - Product Specifications</p> <p>Detailed specifications and features for the Glacier GM-41R, a 47-inch glass door merchandiser refrigerator designed for high-traffic areas, featuring LED lighting, digital temperature control, and robust construction.</p>
	<p>Glacier GM-19R 29\" Merchandiser Refrigerator - Product Specifications</p> <p>Detailed product overview and technical specifications for the Glacier GM-19R 29-inch merchandiser refrigerator, featuring LED lighting, digital temperature control, and R290 refrigerant.</p>
	<p>SKYLOONG GK104 Pro Keyboard User Guide</p> <p>A comprehensive guide to the SKYLOONG GK104 Pro keyboard, covering its features, functions, and customization options for USB wired, Bluetooth, and 2.4g wireless modes.</p>
	<p>Keychron C2 Full Size Mechanical Keyboard User Guide</p> <p>User guide for the Keychron C2 Full Size Mechanical Keyboard, detailing setup, function key customization, lighting effects, key remapping, Siri/Cortana activation, backlight control, and factory reset procedures.</p>



[EPOMAKER F108 PRO Mechanical Keyboard Quick Start Guide](#)

This guide provides instructions for setting up and using the EPOMAKER F108 PRO mechanical keyboard, including connection methods, function key combinations, and troubleshooting.