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› GravaStar /

› GravaStar Mercury K1 Lite 75% Gaming Keyboard User Manual

GravaStar GS K1 LITE

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Model: GS K1 LITE

INTRODUCTION

Thank you for choosing the GravaStar Mercury K1 Lite 75% Gaming Keyboard. This mechanical keyboard features a unique hollow design, gasket-mounted structure, pre-lubed linear switches, and customizable RGB backlighting. It offers versatile tri-mode connectivity (2.4GHz wireless, Bluetooth 5.0, and wired USB-C) for seamless integration with various devices. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your keyboard.



Figure 1: GravaStar Mercury K1 Lite 75% Gaming Keyboard

Video 1: Overview of the GravaStar Mercury K1 Lite 75% Mechanical Keyboard, showcasing its design and features.

WHAT'S IN THE BOX

Upon unboxing your GravaStar Mercury K1 Lite keyboard, please verify that all the following components are included:

- GravaStar Mercury K1 Lite 75% Gaming Keyboard
- Type-A 2.4GHz Receiver
- Type-A to Type-C Cable
- Keycap & Switch 2-in-1 Puller
- Cleaning Brush
- Extra Switches (1 x Kailh Platycodon Switch, 1 x Kailh Crackle Ice Box Switch, 1 x KTT Silent Blue Switch, 1 x KTT Baby White Switch)

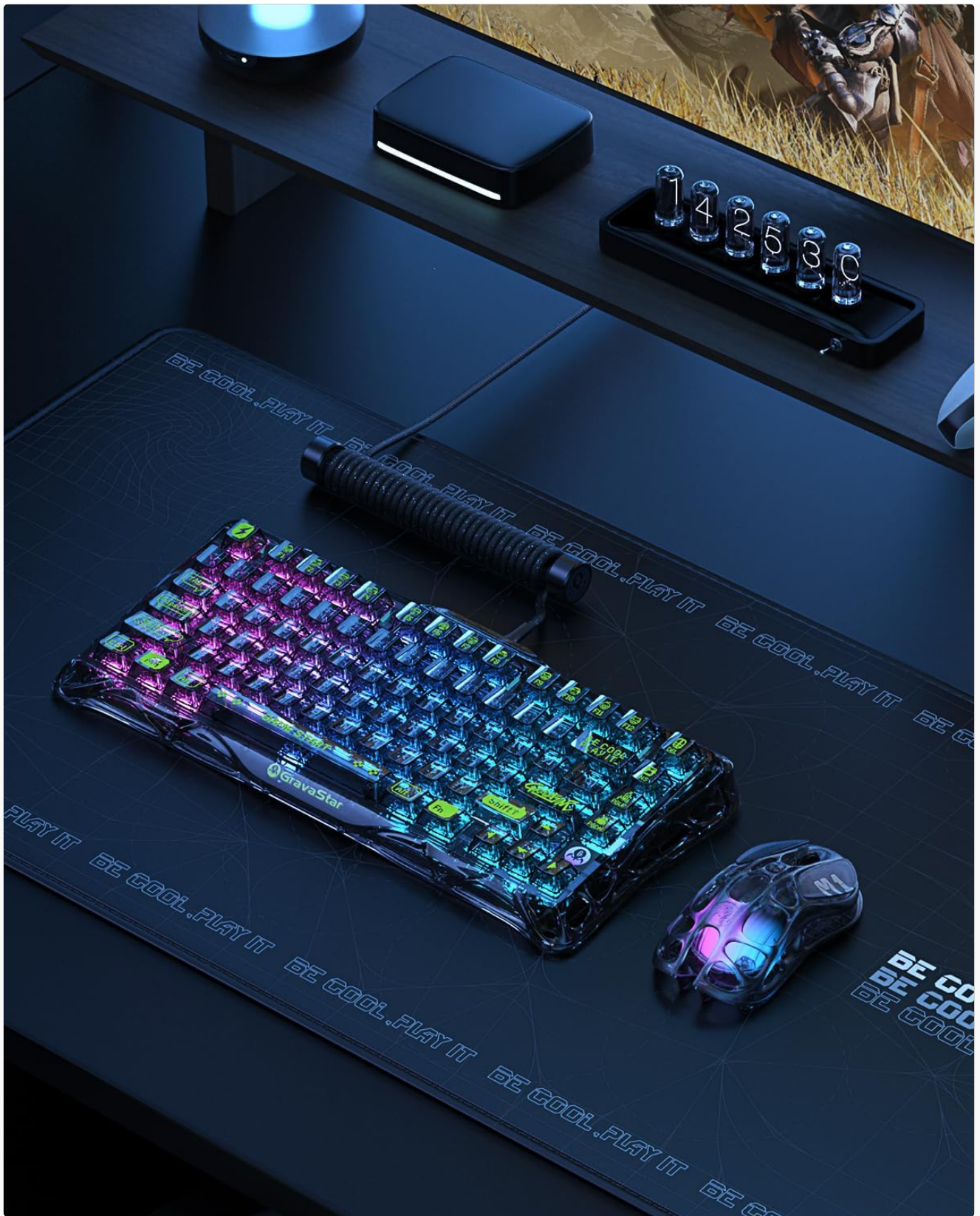


Figure 2: Contents of the GravaStar Mercury K1 Lite package, including the keyboard, cables, and tools.

SETUP

Charging the Keyboard

The GravaStar Mercury K1 Lite is equipped with a 4000mAh lithium-ion battery. Before first use, or when the battery is low, connect the included USB-C cable to the keyboard's USB-C port and the other end to a power source (e.g., computer USB port, wall adapter). The RGB lighting may indicate charging status.

LONG BATTERY LIFE

22H

with default

235H

with all lights off



Figure 3: Battery life illustration for the GravaStar Mercury K1 Lite keyboard.

Connectivity Options

The keyboard supports three modes of connection:

1. **2.4GHz Wireless:** Insert the included Type-A 2.4GHz receiver into an available USB port on your computer. The keyboard should automatically connect.
2. **Bluetooth 5.0:** Turn on Bluetooth on your device. On the keyboard, switch to Bluetooth mode (refer to the Operating section for mode switching). Search for "GravaStar K1 Lite" in your device's Bluetooth settings and pair. The keyboard can connect to up to three Bluetooth devices.

- 3. Wired (USB-C):** Connect the keyboard directly to your computer using the provided Type-A to Type-C cable. This mode offers an 8K Hz polling rate for ultra-low latency.

Video 2: A brief demonstration of the GravaStar Mercury K1 Lite keyboard, highlighting its transparent design and connectivity options.

Software Installation (GravaStar Control Center)

For advanced customization of RGB lighting effects and key assignments, download and install the GravaStar Control Center software from the official GravaStar website. The software is compatible with Windows XP, 7, 8, 8.1, 10, and 11.



Figure 4: GravaStar Control Center software interface for customizing RGB lighting and other settings.

OPERATING THE KEYBOARD

Basic Functions and FN Key Combinations

The GravaStar Mercury K1 Lite utilizes an FN (Function) key for accessing secondary functions and controls. Specific key combinations will vary based on the desired action (e.g., media control, lighting adjustments, device switching). Refer to the keyboard's keycap legends for common FN key combinations.

RGB Lighting Effects

The keyboard features 13 different RGB lighting modes. You can cycle through these modes using designated FN key combinations. Further customization, including brightness, speed, and color, is available through the GravaStar Control Center software.

RGB BACKLIGHT

Provide custom lighting software,
rich custom lighting modes



Figure 5: The GravaStar Mercury K1 Lite keyboard showcasing its dynamic RGB backlight.

Video 3: A demonstration of the typing sound produced by the GravaStar Mercury K1 Lite keyboard's linear switches.

MAINTENANCE

Cleaning

To maintain the keyboard's appearance and functionality, regularly clean it using the provided cleaning brush. For keycaps, a soft, damp cloth can be used. Avoid using harsh chemicals or abrasive materials.

Switch and Keycap Replacement (Hot-Swappable)

The GravaStar Mercury K1 Lite features a hot-swappable PCB, allowing for easy replacement of mechanical switches without soldering. Use the included 2-in-1 puller to carefully remove keycaps and switches. Ensure replacement switches are compatible (3-pin or 5-pin mechanical switches).

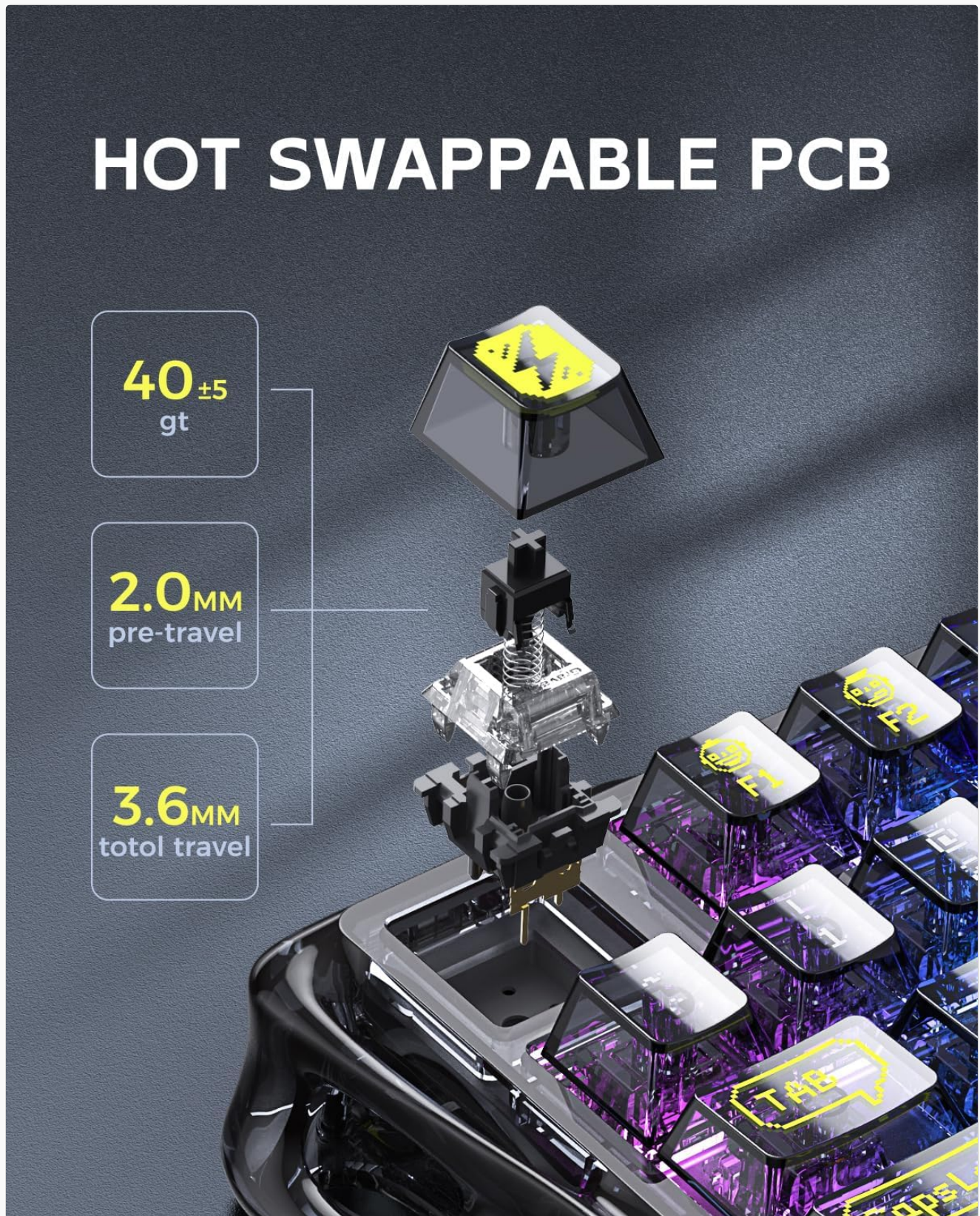


Figure 6: Detailed view of the hot-swappable PCB and switch components.

Video 4: A demonstration of the hot-swappable feature of the GravaStar Mercury K1 Lite keyboard, showing switch removal and installation.

Issue	Possible Cause	Solution
Keyboard not responding (Wired)	Loose cable connection, faulty USB port, driver issue.	Ensure USB-C cable is securely connected. Try a different USB port or cable. Restart your computer.
Keyboard not responding (Wireless/Bluetooth)	Low battery, incorrect mode, pairing issue, receiver interference.	Charge the keyboard. Ensure correct mode (2.4GHz or Bluetooth) is selected. Re-pair Bluetooth or re-insert 2.4GHz receiver. Move closer to receiver/device.
RGB lights not working/customizing	Lighting mode off, software not installed/configured correctly.	Check FN key combinations for lighting. Ensure GravaStar Control Center software is installed and updated.
Keys not registering or double-typing	Dust/debris under keycap, faulty switch.	Remove keycap and clean around the switch. If issue persists, replace the switch (hot-swappable feature).

SPECIFICATIONS

75% LAYOUT

80 KEYS COMPACT KEYBOARD

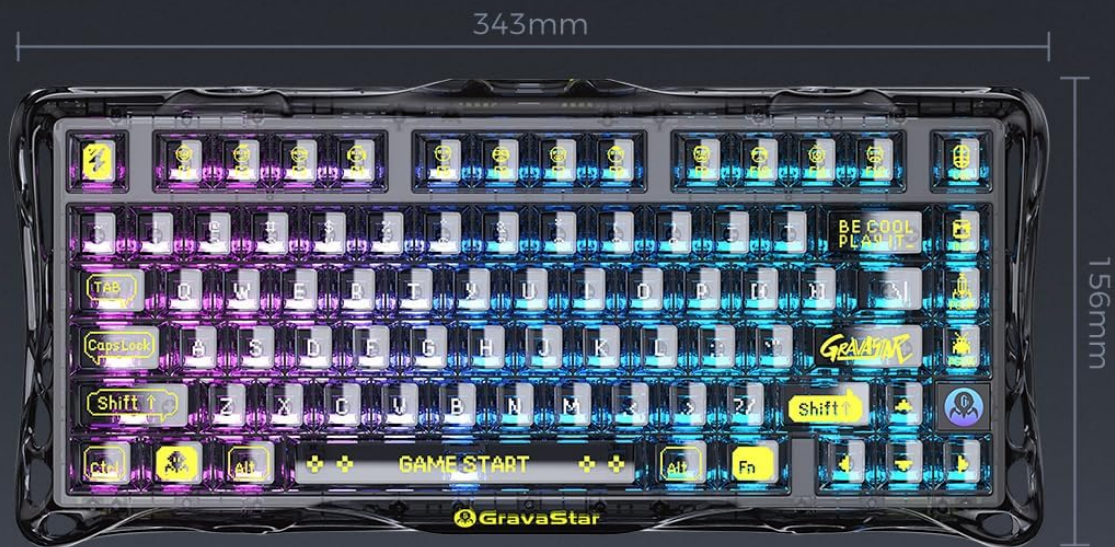


Figure 7: 75% Layout and dimensions of the GravaStar Mercury K1 Lite keyboard.

- **Product Dimensions:** 13.5 x 6.14 x 1.81 inches
- **Item Weight:** 1.87 pounds
- **Item Model Number:** GS K1 LITE
- **Batteries:** 1 A batteries required (included)
- **Brand:** GravaStar
- **Compatible Devices:** Laptop, PC, Gaming Console
- **Connectivity Technology:** 2.4GHz, Wi-Fi, USB-C
- **Keyboard Description:** Ergonomic

- **Recommended Uses:** Video Editing, Everyday Use, Personal, Student, Gaming
- **Special Features:** Ergonomic, Backlit, Programmable Keys, Rechargeable, Hot-Swappable
- **Color:** Black (Transparent)
- **Number of Keys:** 80
- **Keyboard Backlighting Color Support:** RGB
- **Style:** Steampunk

WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance, please visit the official GravaStar website or contact their customer service directly. Keep your purchase receipt for warranty claims.

Note: Product specifications and features are subject to change without prior notice.