



Manuals.plus /

› GravaStar /

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GravaStar K1 Lite and M1 Pro

GravaStar Mercury K1 Lite Mechanical Gaming Keyboard and Mercury M1 Pro Wireless Gaming Mouse User Manual

Model: K1 Lite Keyboard, M1 Pro Mouse

Brand: GravaStar

1. INTRODUCTION

Welcome to your new GravaStar Mercury K1 Lite Mechanical Gaming Keyboard and Mercury M1 Pro Wireless Gaming Mouse. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your devices. Please read this manual thoroughly before using your new products.

2. PRODUCT OVERVIEW

GravaStar Mercury K1 Lite Mechanical Gaming Keyboard

The K1 Lite keyboard features a unique hollow and skeletal design, constructed from durable PVC. It offers a comfortable typing experience with a mainstream gasket structure and GravaStar x BSUN custom switches, along with a five-layer internal design for high-quality keypress sound. It has an 80-key 75% layout and vibrant RGB backlighting.



An overhead view of the GravaStar Mercury K1 Lite Mechanical Gaming Keyboard in white, alongside the Mercury M1 Pro Wireless Gaming Mouse, also in white with blue accents.

75% Layout



80 Keys Compact Keyboard



An image illustrating the 75% layout of the GravaStar Mercury K1 Lite keyboard, highlighting its compact 80-key design.

BEAUTY IN FORM BUILT TO PERFORM



Hollowed-out Frame

Ergonomically Designed

Gasket-Mounted

A close-up image of the GravaStar Mercury K1 Lite keyboard, emphasizing its hollowed-out frame, ergonomic design, and gasket-mounted structure.



reddot winner 2024

78g



An image showing a keycap and switch being removed from the GravaStar Mercury K1 Lite keyboard, illustrating its hot-swappable PCB feature.

BattleWorn Version

Handcrafted Vintage Finish

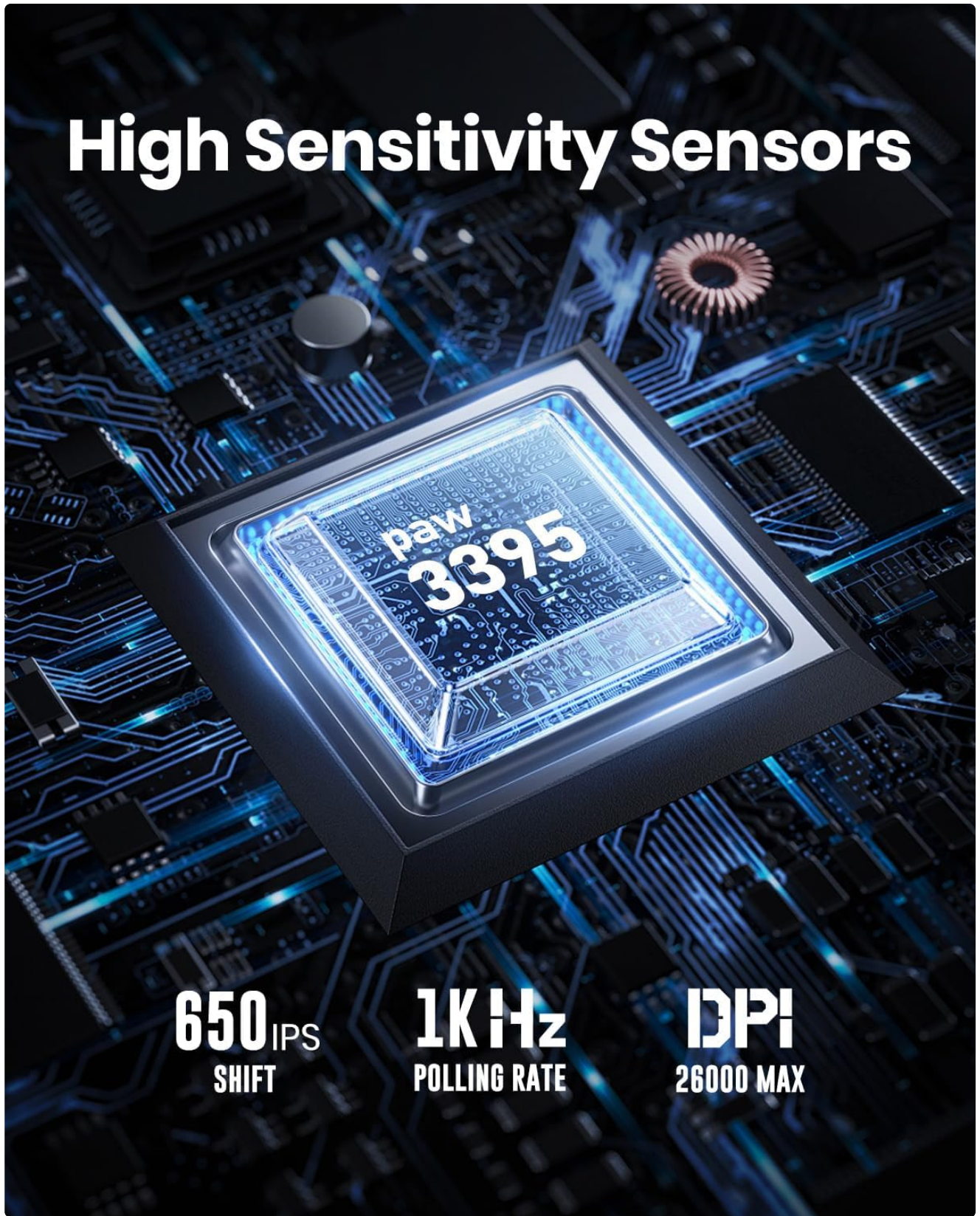


The GravaStar Mercury K1 Lite keyboard displaying its vibrant RGB backlighting in a gradient pattern.

GravaStar Mercury M1 Pro Wireless Gaming Mouse

The M1 Pro mouse features a battle-worn magnesium alloy body with a hollowed-out design for durability and lightweight agility. It is ergonomically designed for precision and enhanced tactile button feedback. It includes a PAW3395DM sensor, up to 26000 DPI, and 5 programmable buttons.

High Sensitivity Sensors



650 IPS
SHIFT

1KHz
POLLING RATE

DPI
26000 MAX

A detailed image of the PAW3395DM sensor chip inside the GravaStar Mercury M1 Pro mouse, highlighting its 650 IPS, 1KHz polling rate, and 26000 max DPI capabilities.



2.4G Hz
Wireless



5.1
Bluetooth



USB-C
connections



A hand holding the GravaStar Mercury M1 Pro mouse, showcasing its handcrafted vintage, battle-worn finish.

HOT SWAPPABLE PCB

• 40GF

• 2.0MM_{pre-travel}

• 3.6MM_{total travel}



An image of the GravaStar Mercury M1 Pro mouse with "78g" prominently displayed, indicating its lightweight design.

RGB BACKLIGHT



An image illustrating the connectivity options for the GravaStar Mercury M1 Pro mouse, including 2.4GHz wireless, Bluetooth 5.1, and USB-C connections.

3. SETUP GUIDE

Initial Charging

Before first use, ensure both the keyboard and mouse are fully charged. Connect the included USB-C cables to the devices and a power source. The charging indicator will show status.

Connecting the Keyboard (K1 Lite)

1. Wireless (Bluetooth):

Turn on the keyboard.

Press **Fn + 1, 2, or 3** to enter Bluetooth pairing mode. The indicator light will flash.

On your device (computer, laptop), search for Bluetooth devices and select "GravaStar K1 Lite".

Once connected, the indicator light will become solid.

2. Wired (USB-C):

Connect the USB-C cable from the keyboard to your computer's USB port.

The keyboard will be automatically recognized.

Connecting the Mouse (M1 Pro)

1. 2.4GHz Wireless (Dongle):

Insert the 2.4GHz USB dongle into an available USB port on your computer.

Turn on the mouse. The mouse will automatically connect to the dongle.

2. Bluetooth:

Turn on the mouse and switch to Bluetooth mode.

Press and hold the pairing button (refer to mouse diagram for location) until the indicator light flashes.

On your device, search for Bluetooth devices and select "GravaStar M1 Pro".

Once connected, the indicator light will become solid.

3. Wired (USB-C):

Connect the USB-C cable from the mouse to your computer's USB port.

The mouse will function as a wired device and charge simultaneously.

4. OPERATING INSTRUCTIONS

Keyboard Functions (K1 Lite)

- **RGB Backlight Control:**

Press **Fn + [** to cycle through backlight modes.

Press **Fn +]** to adjust backlight brightness.

Press **Fn + ** to change backlight color.

- **Function Keys:**

Use **Fn** in combination with F1-F12 keys for multimedia and system controls (e.g., volume, play/pause).

- **Hot-Swappable Switches:**

The K1 Lite supports hot-swappable switches. To replace a switch, gently pull out the keycap, then use the included switch puller to remove the switch. Align the new switch's pins with the PCB holes and press firmly until it clicks into place.

Mouse Functions (M1 Pro)

- **DPI Adjustment:**

Use the DPI button (refer to mouse diagram) to cycle through different DPI settings. The LED indicator will change color to indicate the current DPI level.

- **Programmable Buttons:**

The M1 Pro features 5 programmable buttons. Download the official GravaStar software from the GravaStar website to customize button assignments and macros.

- **Polling Rate:**

The mouse supports up to 1KHz polling rate. This can be adjusted via the GravaStar software.

5. MAINTENANCE AND CARE

Cleaning

- **Keyboard:**

Disconnect the keyboard from power. Use a soft, dry cloth to wipe the surface. For deeper cleaning, use compressed air to remove dust from between keycaps. For stubborn stains, a slightly damp cloth with mild soap can be used, ensuring no liquid enters the keyboard.

- **Mouse:**

Disconnect the mouse. Use a soft, dry cloth to wipe the body. For the sensor, use a cotton swab lightly dampened with isopropyl alcohol to gently clean the lens.

Storage

Store the devices in a cool, dry place away from direct sunlight and extreme temperatures.

Battery Care

To prolong battery life, avoid fully discharging the devices frequently. Charge them when the low battery indicator appears.

6. TROUBLESHOOTING

Keyboard (K1 Lite)

- **Keyboard not responding:**

Check cable connection (for wired mode) or battery level (for wireless mode).

Re-pair Bluetooth connection.

Try connecting to a different USB port or device.

- **Keys not registering:**

Ensure switches are properly seated if they are hot-swappable.

Clean under the keycap.

- **RGB backlight not working:**

Check backlight settings using **Fn** key combinations.

Ensure the keyboard is sufficiently charged.

Mouse (M1 Pro)

- **Mouse not responding:**

Check battery level.

Ensure the 2.4GHz dongle is properly inserted or Bluetooth is paired.

Try a different USB port.

- **Cursor erratic or not moving:**

Clean the optical sensor on the bottom of the mouse.

Ensure you are using the mouse on a suitable surface (non-reflective, uniform color).

- **Buttons not working:**

Check software settings for button assignments.

Ensure no debris is lodged under the buttons.

7. SPECIFICATIONS

GravaStar Mercury K1 Lite Mechanical Gaming Keyboard

- **Layout:** 75% (80 keys)
- **Structure:** Gasket-mounted
- **Switches:** GravaStar x BSUN custom linear switches (hot-swappable)
- **Material:** PVC
- **Backlight:** RGB
- **Connectivity:** Bluetooth, USB-C

GravaStar Mercury M1 Pro Wireless Gaming Mouse

- **Sensor:** PAW3395DM
- **DPI:** Up to 26000
- **Polling Rate:** Up to 1KHz
- **Buttons:** 5 programmable
- **Material:** Magnesium Alloy
- **Weight:** 78g
- **Connectivity:** 2.4GHz Wireless (dongle), Bluetooth 5.1, USB-C

8. WARRANTY AND SUPPORT

GravaStar products come with a limited warranty. Please refer to the official GravaStar website for detailed warranty terms and conditions.

For technical support, troubleshooting assistance, or to download the latest software and drivers, visit the official GravaStar support page: www.gravastar.com/support.

You can also contact customer service via email at support@gravastar.com.

