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- › [GravaStar](#) /
- › [GravaStar Mercury V60 Magnetic Gaming Keyboard User Manual](#)

## GravaStar GS V60

# GravaStar Mercury V60 Magnetic Gaming Keyboard User Manual

Model: GS V60

## INTRODUCTION

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This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your GravaStar Mercury V60 Magnetic Gaming Keyboard. Designed for precision and speed, this keyboard features Hall Effect switches, an 8000Hz polling rate, and extensive customization options to enhance your gaming and typing experience.



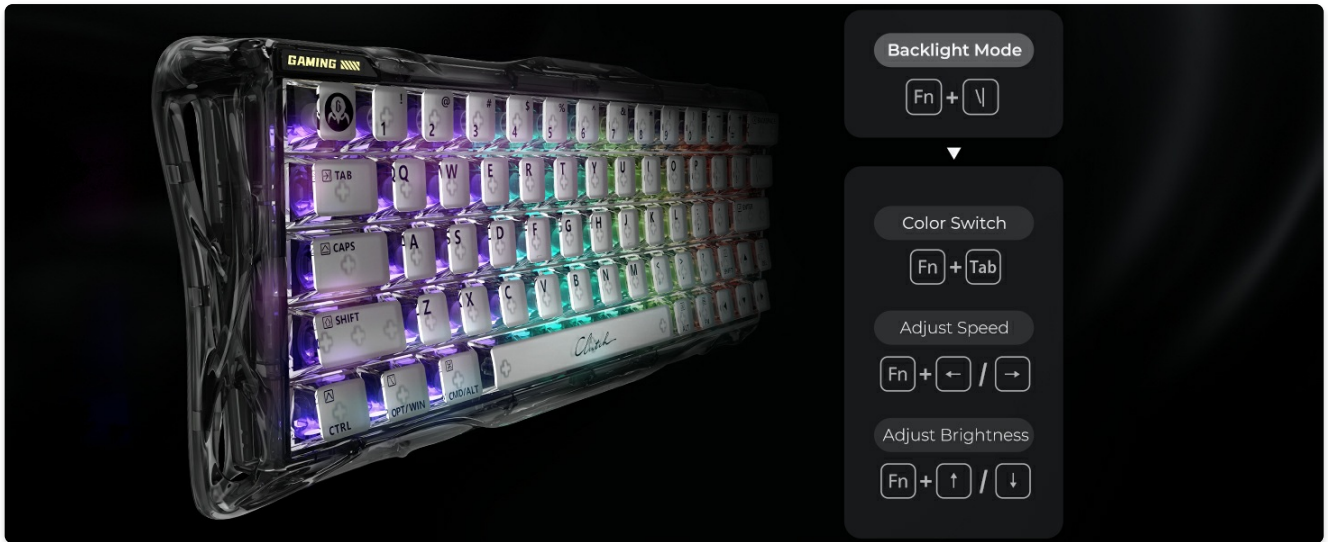
*The GravaStar Mercury V60 Magnetic Gaming Keyboard, showcasing its unique design and vibrant backlighting.*

## SETUP

### Package Contents

Before you begin, please ensure all items are present in the package:

- Mercury V60 Gaming Hall Effect Keyboard
- UFO Magnetic Switches (x4)
- Dust Cover Bag
- USB Cable
- Cleaning Brush
- Cleaning Cloth
- Brand Stickers
- Switch Puller
- Keycap Puller



All components included with the GravaStar Mercury V60 keyboard.

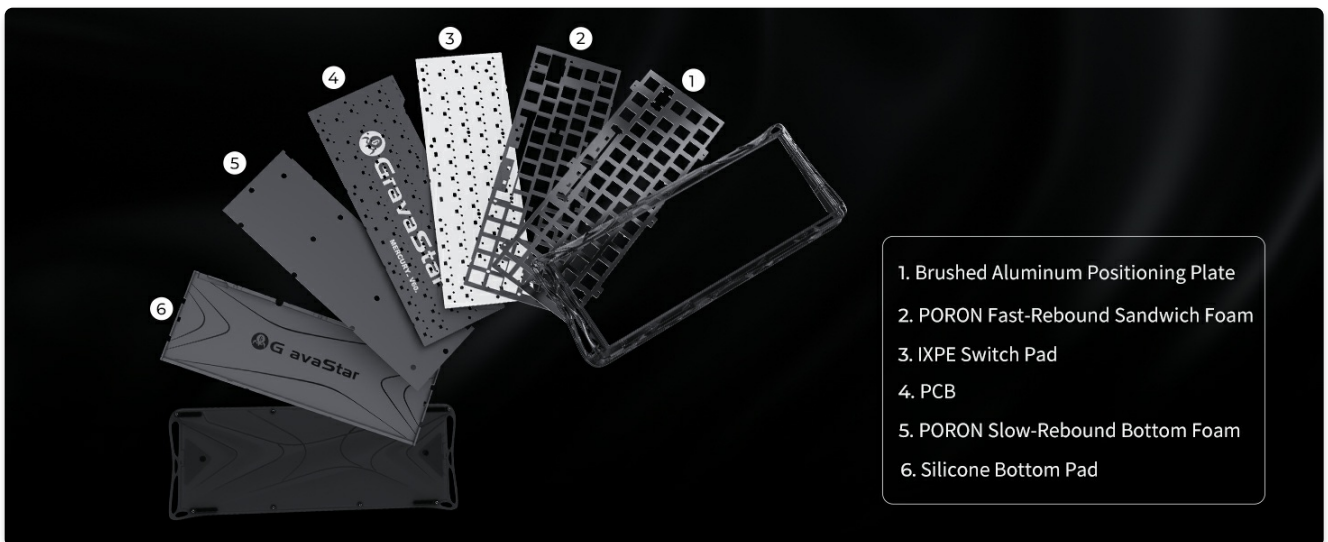
## Connecting the Keyboard

The GravaStar Mercury V60 connects via USB-C. Use the provided USB cable to connect the keyboard to an available USB port on your computer (PC, Laptop, or Gaming Console). No additional drivers are typically required for basic functionality.

## OPERATING INSTRUCTIONS

### Ultra-Precision Magnetic Switches

The keyboard features GravaStar UFO Magnetic Switches, offering 0.005mm precision and adjustable actuation from 0.005mm to 3.5mm. This allows for fine-tuning key sensitivity to match your preferences.



Anatomy of the UFO Magnetic Switch, highlighting its precision and magnetic flux.

### 8000Hz Polling Rate

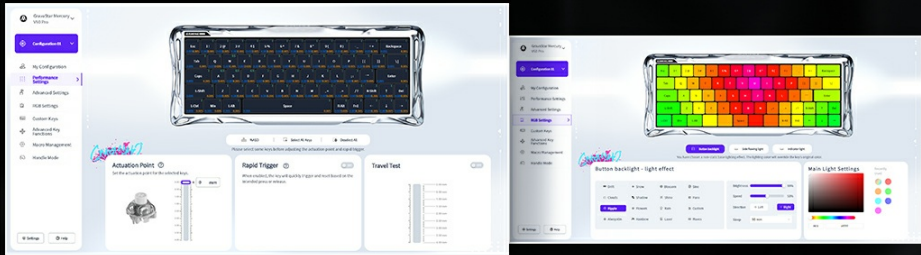
The V60 operates with a native 8000Hz polling rate and 256kHz key-position scanning, reducing latency to 0.125ms for rapid response times.

### Dynamic Rapid Trigger & Last Keystroke Prioritization (LKP)







Dynamic Rapid Trigger allows keys to reset the moment you lift your finger, enabling faster repeated inputs. LKP ensures that only the last pressed key is registered, preventing unintended inputs during quick directional changes.

## Controller Mapping & Analog Control

Each key can detect press depth, allowing for analog simulation. This feature enables mapping keys to mimic controller inputs like throttles or steering wheels for enhanced control in compatible games.



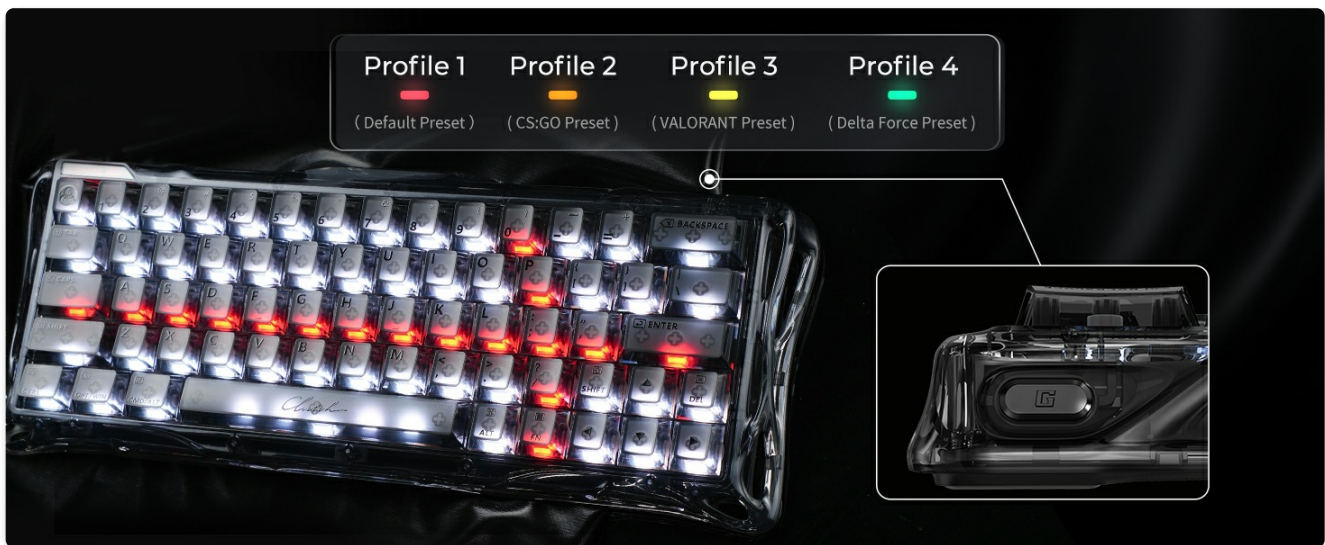
<https://hub.gravastar1.com>

 <b>SOC D</b> Bind two keys together - the last pressed key will force-release the previous key, ensuring only one key is triggered at any given moment.	 <b>DKS</b> A single key can perform four different functions.	 <b>TGL</b> Single click to enable continuous triggering.
 <b>MT</b> Hold and tap a key to achieve different functions.	 <b>MPT</b> A single key can trigger three different keys at three different actuation depths.	 <b>END</b> A single key can send another key signal upon release.

Keyboard profiles demonstrating customizable key layouts for different gaming scenarios.

## Premium Build & Silent Acoustics

The V60 features a full-transparent chassis and a 4-layer acoustic foam internal structure to minimize vibrations and hollow sounds, providing a consistent typing experience.



Internal structure of the keyboard, showing the layers designed for acoustic performance.

## Hot-Swappable & Customizable

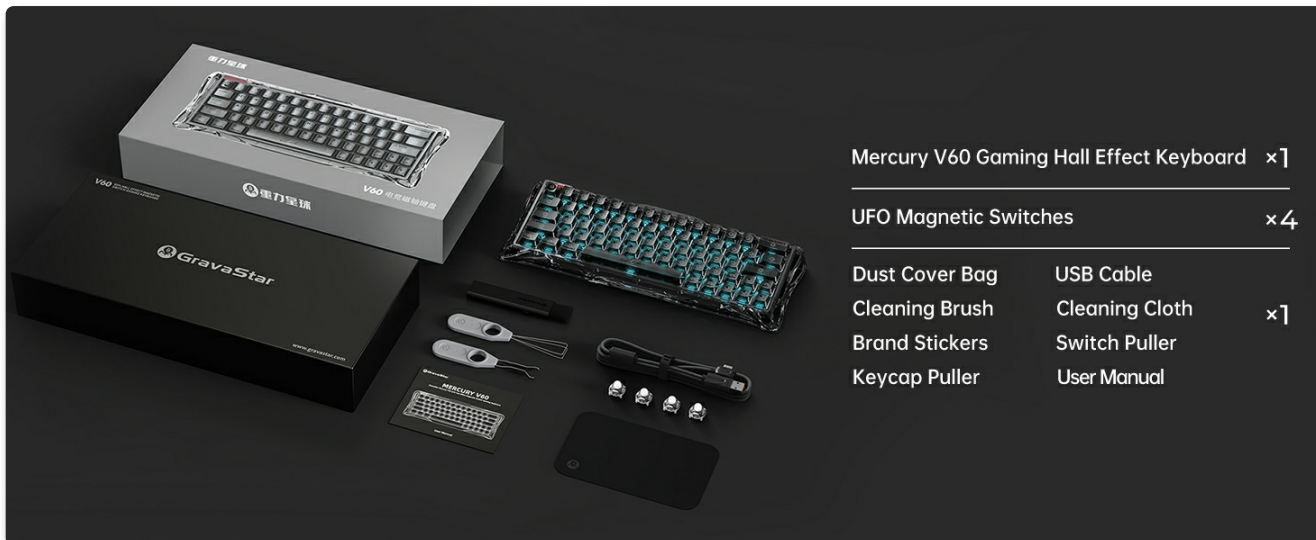
The magnetic Hall Effect PCB is fully hot-swappable, allowing for switch replacement without soldering. It is compatible with select magnetic switches from TTC and Gateron.

## RGB Lighting Control

The keyboard features customizable RGB backlighting. Use the following key combinations to adjust lighting effects:

- **Fn + \|**: Cycle through Backlight Modes
- **Fn + Tab**: Switch Colors
- **Fn + ← / →**: Adjust Speed

- **Fn + ↑ / ↓**: Adjust Brightness



Visual guide for controlling RGB backlight modes, colors, speed, and brightness.

## Official Product Video

Your browser does not support the video tag.

Official video showcasing the GravaStar Mercury V60 HE Gaming Keyboard in Onyx Crystal, demonstrating its features and aesthetics.

## MAINTENANCE

### Cleaning the Keyboard

To maintain optimal performance and appearance, regularly clean your keyboard. Use the provided cleaning brush and cloth to remove dust and debris from between the keycaps and the chassis. For stubborn dirt, a slightly damp cloth (water only) can be used, ensuring no liquid enters the keyboard. Always disconnect the keyboard before cleaning.

### Keycap and Switch Removal

Use the provided keycap puller to carefully remove keycaps. For switch replacement, use the switch puller to gently extract the magnetic switches. Ensure proper alignment when reinserting switches and keycaps to prevent damage.

## TROUBLESHOOTING

### Connectivity Issues

- **Keyboard not recognized:** Ensure the USB-C cable is securely connected to both the keyboard and your computer. Try a different USB port or cable.
- **Intermittent connection:** Check for any physical damage to the cable or ports. Avoid using unpowered USB hubs.

### Key Functionality Problems

- **Keys not responding:** Ensure the switches are properly seated. If hot-swapping, verify compatibility.
- **Incorrect input:** Check for any custom key bindings or profiles that might be active.

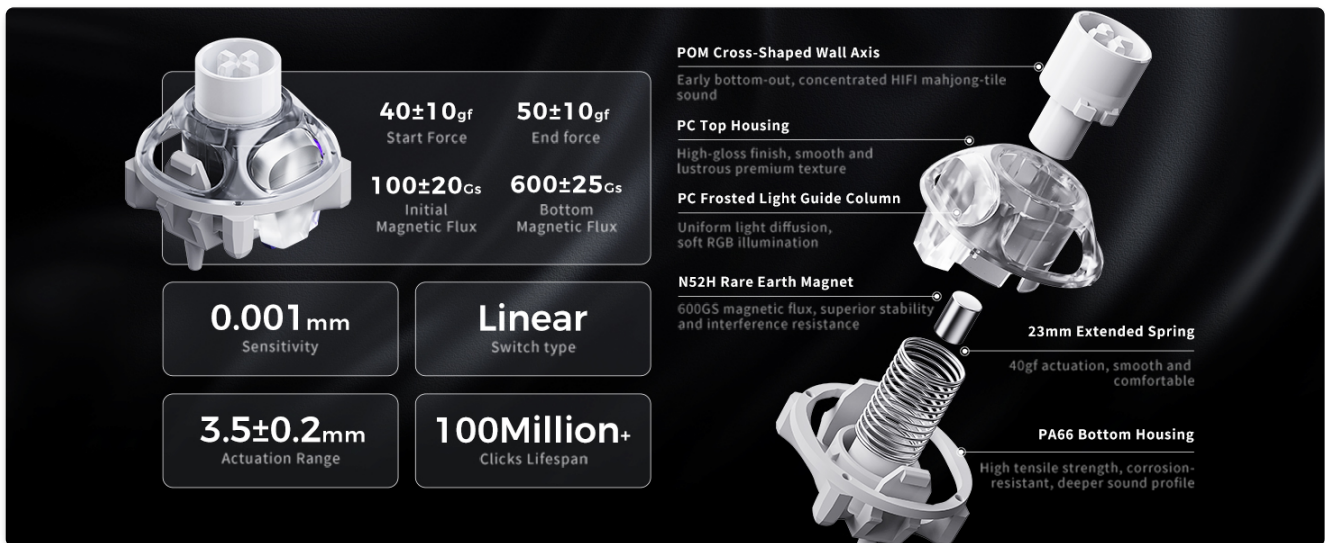
### RGB Lighting Issues

- **Lights not working:** Verify that the lighting is enabled and brightness is not set to minimum using the Fn key combinations.

- **Inconsistent lighting:** Ensure the keyboard firmware is up to date.

## Software Customization

For advanced customization, including actuation point adjustment, rapid trigger settings, and key remapping, visit the official GravaStar web-based application at [hub.gravastar.com](https://hub.gravastar.com). This application requires a Chrome browser for full functionality and will prompt for hardware access.



The GravaStar web-based application for advanced keyboard settings and customization.

## SPECIFICATIONS

Feature	Detail
Brand	GravaStar
Model Number	GS V60
Compatible Devices	Gaming Console, Laptop, PC
Connectivity Technology	USB-C
Keyboard Description	60% layout
Recommended Uses	Business, Everyday Use, Gaming, Video Editing
Special Features	8000Hz Polling Rate, Backlit, Hall Effect Switch, Rapid Trigger
Color	Onyx Crystal
Keyboard Backlighting	RGB
Product Dimensions (L x W x H)	11.5"L x 6.1"W x 1.8"H
Number of Keys	61
Power Source	USB Powered
Switch Type	Linear

Feature	Detail
Keyboard Layout	QWERTY
Mechanical Keyboard Switch Model	Hall Effect
Enclosure Material	Plastic

## WARRANTY

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The GravaStar Mercury V60 Magnetic Gaming Keyboard comes with a **1 Year Manufacturer Warranty**. Please retain your proof of purchase for any warranty claims. For detailed terms and conditions, refer to the official GravaStar website or contact customer support.

## SUPPORT

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For further assistance, product updates, or to explore other GravaStar products, please visit the official GravaStar Store or contact their customer support channels.

- **GravaStar Store:** [Visit the GravaStar Store on Amazon](#)
- **Web-based Software:** [hub.gravastar.com](http://hub.gravastar.com)