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> GravaStar Mercury V75 HE Keyboard User Manual

GravaStar GS V75

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Model: GS V75

1. INTRODUCTION

The GravaStar Mercury V75 HE Keyboard is a high-performance 75% layout gaming keyboard featuring Hall-Effect magnetic switches. Designed for precision and speed, it offers advanced customization options, ultra-low latency, and durable construction for an optimized gaming and typing experience.

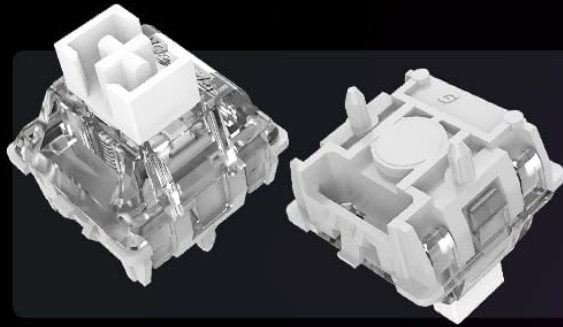


Image: The GravaStar Mercury V75 HE Keyboard, showcasing its unique design and vibrant RGB backlighting.

2. KEY FEATURES

- **Hall Effect Magnetic Switches:** Advanced technology provides lightning-fast 0.005mm sensitivity and adjustable actuation points (0.1–3.6mm) for precise control.
- **8000Hz Polling Rate:** Experience ultra-low latency with a 0.125ms response time, providing a competitive edge.
- **Compact 75% Layout:** Streamlined 79-key layout with full arrow and function row support.
- **Hot-Swappable Switches:** Easily replace switches without soldering.
- **Customizable via Software:** Personalize key actuation points, lighting effects, and macros using GravaStar's intuitive web-based software.
- **Semi-Aluminum Chassis:** Durable and robust construction.
- **Dynamic RGB Backlighting:** Per-key RGB and secondary zone lighting with various patterns.

Hall Effect Magnetic Sensing



◆ **36g**
Start force

50g
End force

◆ **0.005mm**
Sensitivity

◆ **Linearer**
Switch type

◆ **0.1-3.6mm**
Actuation Range

◆ **100 Millionen
Klicks**
Lifespan



Image: Detailed view of the Hall Effect magnetic switches, highlighting their sensitivity, actuation range, and lifespan.

8KHZ Polling Rate
0.125ms Latency-Free Response

0.125ms



Image: The keyboard emphasizing its 8KHz polling rate for rapid response times.

3. PACKAGE CONTENTS

Upon unboxing your GravaStar Mercury V75 HE Keyboard, please ensure all the following items are present:

- GravaStar Mercury V75 HE Keyboard
- Keycap Puller

- USB-C Cable
- User Manual (this document)



Image: All items included in the GravaStar Mercury V75 HE Keyboard package, laid out for inspection.

4. SETUP GUIDE

The GravaStar Mercury V75 HE Keyboard is designed for simple plug-and-play setup.

1. **Connect the USB-C Cable:** Locate the USB-C port on the back of the keyboard. Insert one end of the provided USB-C cable into this port.
2. **Connect to Computer:** Insert the other end of the USB-C cable into an available USB port on your computer (PC, Laptop, or Gaming Console).
3. **System Recognition:** Your operating system should automatically detect and install the necessary drivers for the keyboard. This process may take a few moments.
4. **Initial Test:** Once recognized, the keyboard's RGB lighting will illuminate. Test key functionality by typing in a text editor or navigating your system.

5. OPERATION

The Mercury V75 HE Keyboard offers several features to enhance your experience.

5.1 Mode Switches

On the back of the keyboard, you will find two physical switches:

- **RT / N Switch:** This switch toggles between Rapid Trigger (RT) mode and Normal (N) mode.
 - **RT (Rapid Trigger) Mode:** Optimized for gaming, this mode allows for ultra-fast key resets and repeated inputs, ideal for competitive play.
 - **N (Normal) Mode:** Standard keyboard operation, suitable for general typing and office use.
- **Win / Mac Switch:** This switch allows you to select the appropriate key mapping for Windows or macOS operating systems. Ensure this is set correctly for your system to ensure proper function of modifier keys.

Custom Your Way

Web-Based Software Included



Image: The physical switches on the rear of the keyboard for toggling between RT/Normal mode and Windows/Mac compatibility.

5.2 Volume Rocker

The keyboard features a dedicated volume rocker in the top right corner for convenient audio control. Rotate it to adjust volume up or down.

5.3 RGB Lighting Control

The keyboard features dynamic RGB backlighting. Specific lighting effects and brightness can be adjusted through the

web-based software. Refer to the software section for more details.

6. CUSTOMIZATION SOFTWARE

The GravaStar Mercury V75 HE Keyboard is fully customizable via its intuitive web-based software. This software allows for fine-tuning of various parameters to match your preferences and optimize performance.

6.1 Accessing the Software

To access the customization software, ensure your keyboard is connected to your computer. Open a web browser (Google Chrome is recommended for optimal compatibility) and navigate to the official GravaStar support page for the Mercury V75 HE keyboard. Look for the link to the web-based configuration tool.

6.2 Software Features

- **Adjustable Actuation Points:** Precisely set the actuation point for each key from 0.1mm to 3.6mm. This allows you to customize how sensitive each key press is.
- **Rapid Trigger Settings:** Fine-tune the rapid trigger sensitivity for faster resets and repeated inputs, crucial for competitive gaming.
- **RGB Lighting Effects:** Choose from a wide array of pre-set lighting effects, adjust brightness, speed, and direction. You can also create custom lighting profiles.
- **Macro Programming:** Assign complex sequences of key presses and mouse clicks to a single key for quick execution.
- **Key Remapping:** Reassign functions to individual keys to suit your workflow or gaming style.
- **Profile Management:** Create and save multiple profiles for different applications or games, and switch between them easily.



Image: The web-based software interface for customizing the keyboard's settings, including lighting and key functions.

7. MAINTENANCE AND CARE

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

- **Cleaning:** Regularly clean the keyboard to prevent dust and debris buildup. Use a soft, lint-free cloth for the surface. For keycaps, you can use the provided keycap puller to remove them and clean underneath with compressed air or

a small brush.

- **Avoid Liquids:** Keep liquids away from the keyboard to prevent damage to internal components. In case of spills, immediately disconnect the keyboard and allow it to dry completely before reconnecting.
- **Storage:** When not in use for extended periods, store the keyboard in a dry, cool place away from direct sunlight.
- **Handle with Care:** While the keyboard features a durable semi-aluminum chassis, avoid dropping or subjecting it to excessive force.

8. TROUBLESHOOTING

If you encounter issues with your GravaStar Mercury V75 HE Keyboard, refer to the following common solutions:

Problem	Possible Cause	Solution
Keyboard not responding	Loose cable connection, incorrect USB port, driver issue.	Ensure USB-C cable is securely connected to both keyboard and computer. Try a different USB port. Restart your computer.
Keys not registering or double-typing	Dust/debris under keycap, software actuation setting too low, magnetic interference.	Clean under the keycap. Adjust actuation point in the software. Ensure no strong magnets are near the keyboard.
RGB lighting not working	Software setting, power issue.	Check lighting settings in the customization software. Ensure keyboard is receiving sufficient power from the USB port.
Incorrect key functions (e.g., Alt/Cmd swapped)	Win/Mac switch set incorrectly.	Toggle the Win/Mac switch on the back of the keyboard to the correct operating system setting.
Cannot access web-based software	Browser compatibility, internet connection, keyboard not detected by software.	Use Google Chrome. Ensure stable internet connection. Verify keyboard is connected and recognized by the computer.

8.1 Factory Reset

If issues persist or you wish to revert all settings to default, perform a factory reset by pressing and holding **Fn** and **Esc** keys simultaneously for several seconds until the keyboard's lights flash, indicating a reset.

9. TECHNICAL SPECIFICATIONS

- **Model:** GS V75
- **Keyboard Type:** 75% Hall-Effect Magnetic-Switch Gaming Keyboard
- **Number of Keys:** 79-Key
- **Connectivity:** Wired USB-C
- **Polling Rate:** 8000Hz
- **Response Time:** 0.125ms
- **Actuation Sensitivity:** 0.005mm
- **Adjustable Actuation Range:** 0.1mm – 3.6mm
- **Switch Type:** Linear Hall Effect Magnetic Switches

- **Lifespan:** 100 Million Clicks
- **Backlighting:** RGB (Per-key and edge lighting)
- **Chassis Material:** Semi-Aluminum
- **Product Dimensions:** 13.5"L x 6.1"W x 1.8"H (34.29cm x 15.49cm x 4.57cm)
- **Item Weight:** 3.83 pounds (1.74 kg)
- **Compatible Devices:** Gaming Console, Laptop, PC
- **Manufacturer:** ZhuoYe ChuangYi Co., Ltd.

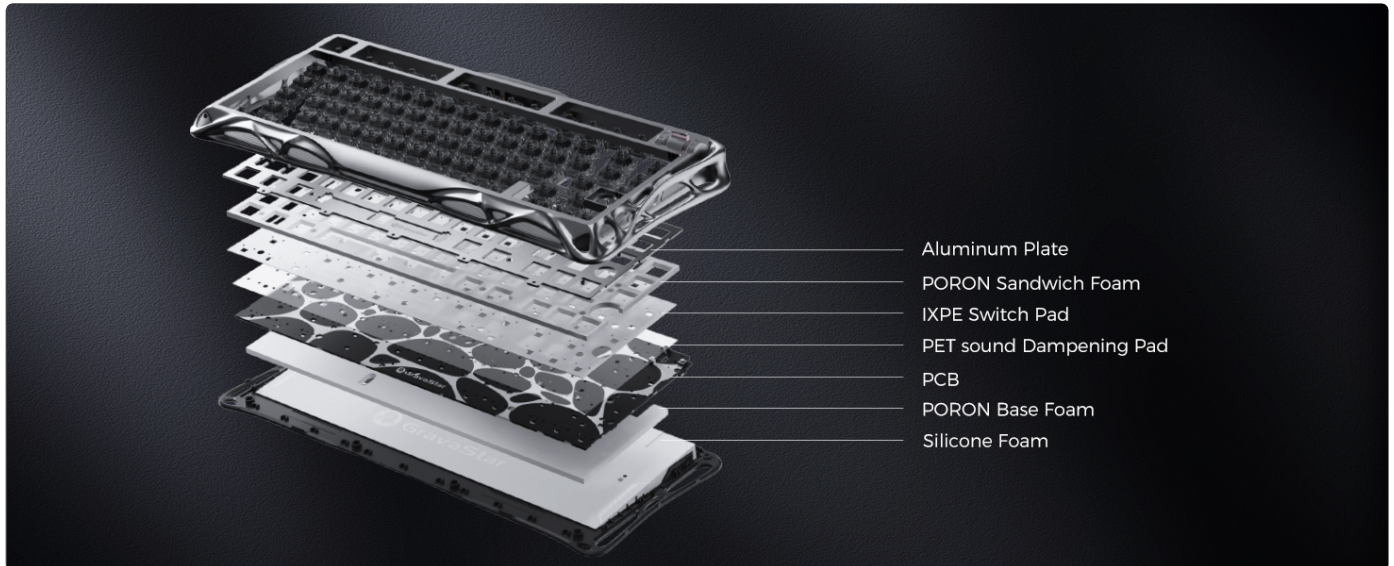


Image: An exploded view illustrating the various internal layers and components of the keyboard's construction.

10. WARRANTY INFORMATION

GravaStar products are manufactured to high quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official GravaStar website. Keep your proof of purchase for any warranty claims.

11. SUPPORT

For further assistance, technical support, or inquiries regarding your GravaStar Mercury V75 HE Keyboard, please visit the official GravaStar support website or contact their customer service team. Contact information can typically be found on the product packaging or the official brand website.

Official GravaStar Store: [GravaStar Amazon Store](#)