GravaStar V75 Pro, Mercury X Pro

GravaStar V75 Pro Gaming Keyboard and Mercury X Pro Gaming Mouse User Manual

Brand: GravaStar | Models: V75 Pro, Mercury X Pro

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your GravaStar V75 Pro Gaming Keyboard and Mercury X Pro Gaming Mouse. Please read this manual carefully to ensure optimal performance and longevity of your devices.

2. GRAVASTAR V75 PRO GAMING KEYBOARD

2.1. Key Features

- **Hall-Effect Magnetic Switches:** Features Gateron × GravaStar Magnetic Hall-Effect switches with 0.005mm actuation accuracy, per-key customizable actuation, and a 100 million keystroke lifespan.
- **Ultra-Low Latency:** Boasts 8000Hz USB polling (0.125ms response time) and a 256kHz key scan rate for high-stakes gaming.
- **Customizable RGB Lighting:** Fully programmable RGB lighting via customizable software.
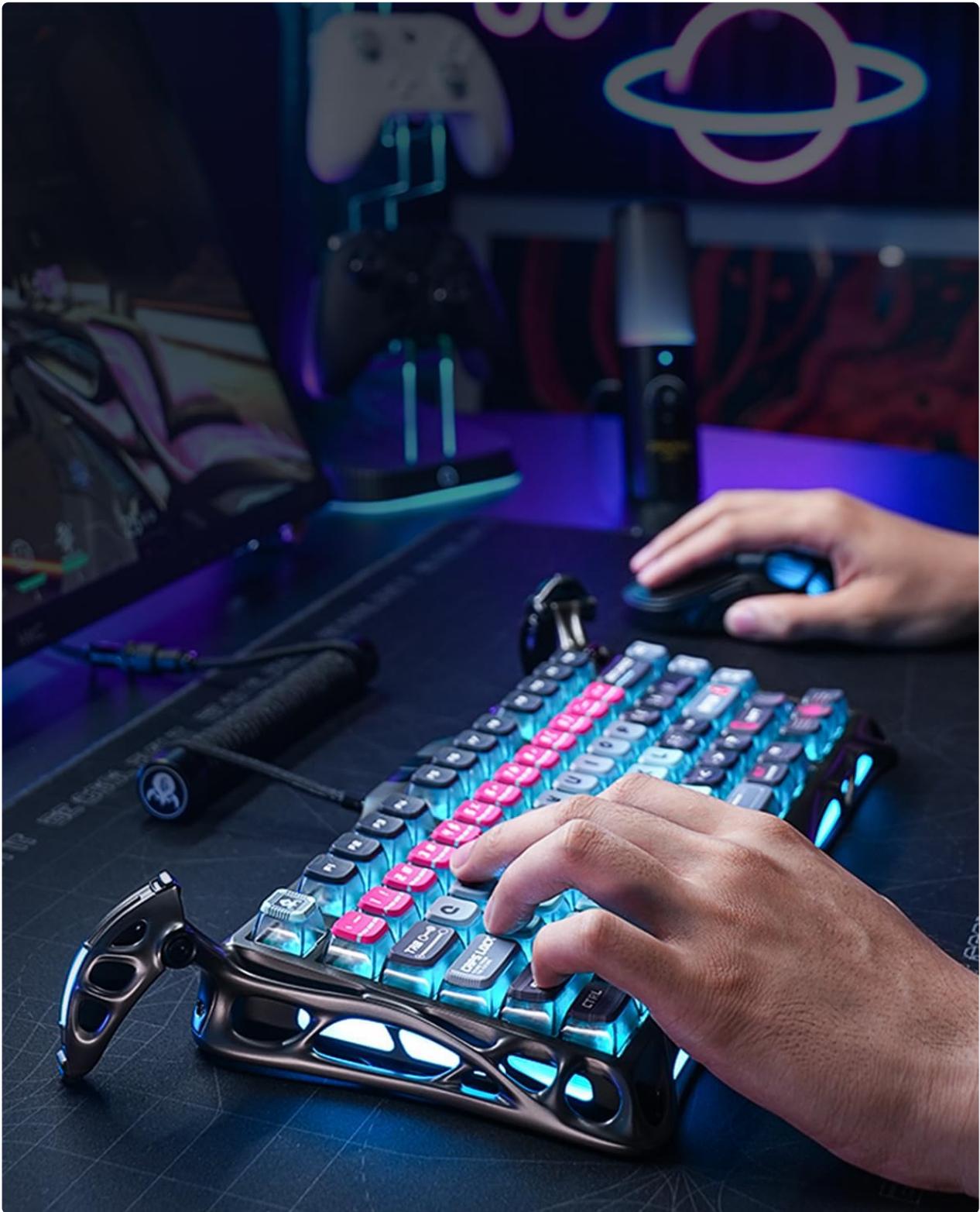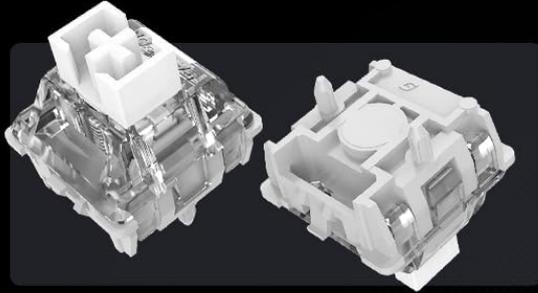
2.2. Visual Overview

Figure 1: User playing a game with the GravaStar V75 Pro Gaming Keyboard, showcasing its vibrant RGB lighting.

The GravaStar V75 Pro keyboard features a distinctive design with vibrant RGB lighting, enhancing the gaming experience. Its ergonomic layout is designed for comfortable and efficient gameplay.

Gaming Magnetic Switch

36g Start force | **50g** End force

0.005mm Sensitivity

Linearer Switch type

0.005-3.3mm Actuation Range

100 Millionen Klicks Lifespan

Figure 2: Specifications of the GravaStar V75 Pro Gaming Keyboard's magnetic switches.

The magnetic switches offer precise control with a low start force of 36g and an end force of 50g, ensuring rapid and accurate key presses. The sensitivity is rated at 0.005mm, with an actuation range of 0.005-3.3mm, and a lifespan of 100 million clicks.

Figure 3: 0.005mm RT Accuracy & 256KHz Scan Rate.

The keyboard's 256KHz scan rate provides superior responsiveness compared to traditional mechanical switches, crucial for competitive gaming across various genres like RTS, FPS, and MOBA.
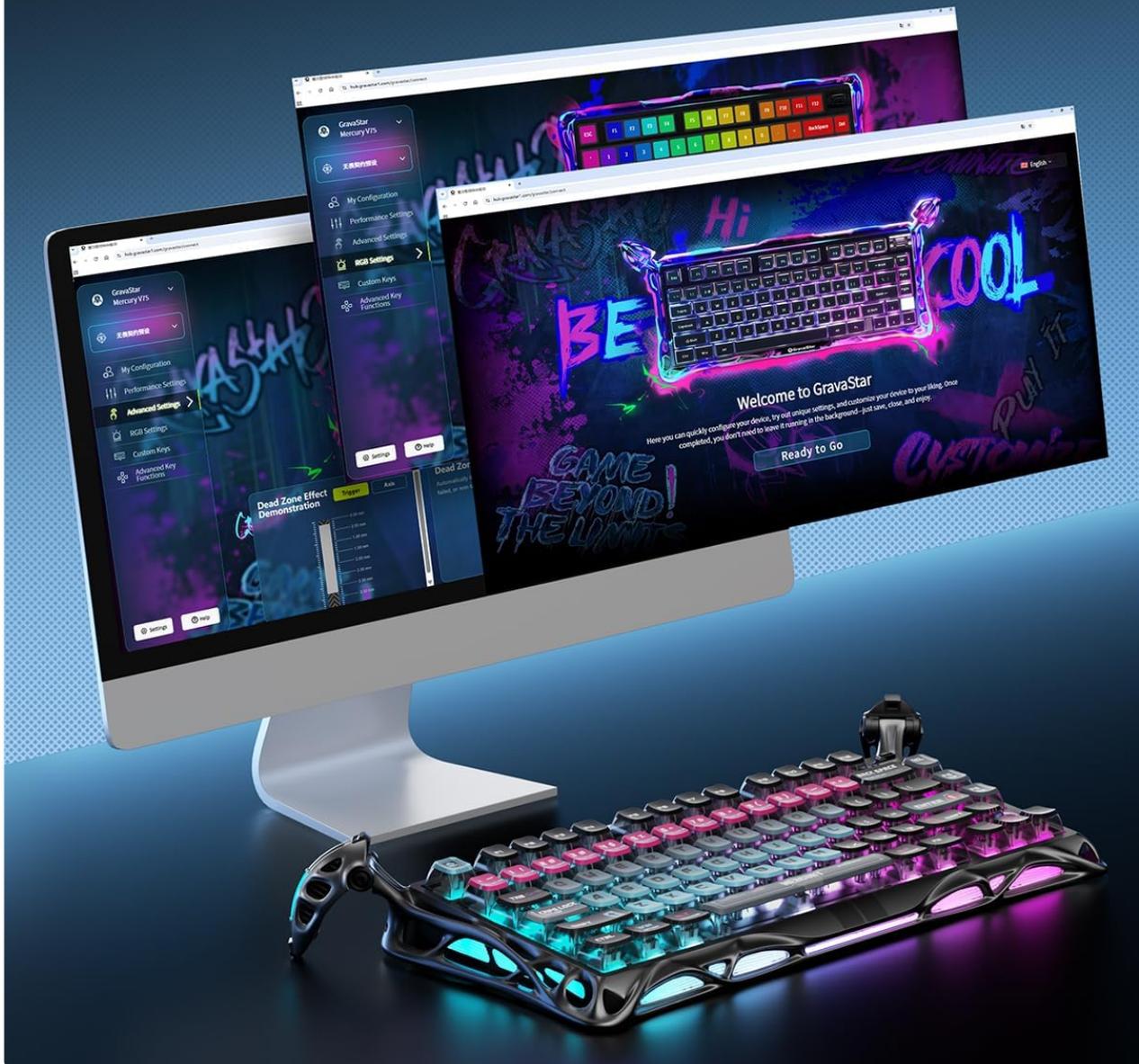
Figure 4: GravaStar Software for Customization.

The dedicated GravaStar software allows users to customize key functions, actuation points, and RGB lighting effects, enabling a personalized gaming experience.

Figure 5: True 8KHz Polling Rate.

With a true 8KHz polling rate, the keyboard achieves an ultra-low latency of 0.125ms, ensuring that every command is registered almost instantaneously.

2.3. Official Product Video

Video 1: Official video demonstrating the GravaStar V75 Pro Gaming Keyboard in action, highlighting its cyberpunk aesthetic and responsive performance during gameplay.

3. GRAVASTAR MERCURY X PRO GAMING MOUSE

3.1. Key Features

- **Innovative Hollow Skeleton Design:** Maximized airflow with a durable, lightweight magnesium alloy frame to keep your hand cool and dry during intense gaming sessions.

- **Precision Sensor:** PAW 3950 sensor offers ultra-accurate tracking with up to 32,000 DPI, ideal for both fast-paced FPS and precision-demanding MOBA games.

- **Customizable Buttons & RGB:** Fully programmable buttons and RGB lighting via customizable software.
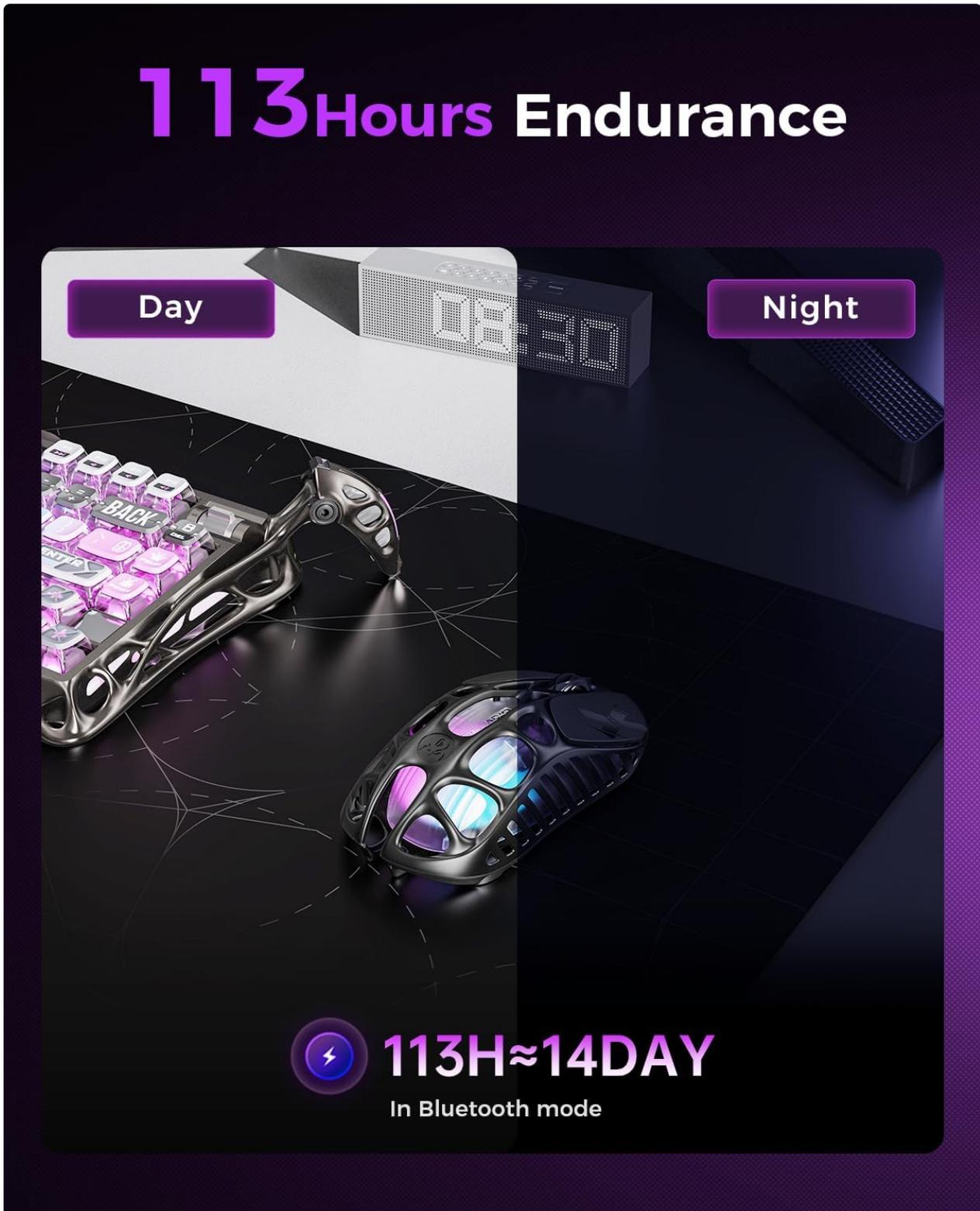
3.2. Visual Overview

Figure 6: 113 Hours Endurance.

The Mercury X Pro mouse offers an impressive 113 hours of battery life in Bluetooth mode, providing extended usage for up to 14 days on a single charge.

Figure 7: 8000Hz Polling Rate.

The mouse's 8000Hz polling rate ensures a rapid 0.125ms response time, minimizing input lag for critical in-game actions.

Figure 8: Hollow Skeleton Design with 0.8mm Magnesium Alloy Build.

The mouse's hollow skeleton design, constructed from 0.8mm magnesium alloy, provides a lightweight yet durable structure, promoting airflow to keep hands cool during extended use.

4. SETUP

4.1. Initial Connection

1. **Unboxing:** Carefully remove the keyboard and mouse from their packaging.

2. **Charging:** For optimal performance, fully charge both devices before first use. Connect the provided

USB-C cable to the devices and a power source.

3. **Wireless Connection (2.4GHz):** Insert the 2.4GHz USB dongle into an available USB port on your computer. Ensure the devices are switched to 2.4GHz mode. They should connect automatically.

4. **Bluetooth Connection:** Switch the devices to Bluetooth mode. On your computer or device, search for new Bluetooth devices and select 'GravaStar V75 Pro' or 'GravaStar Mercury X Pro' to pair.

5. **Wired Connection:** Connect the USB-C cable directly from the device to your computer. The devices will function in wired mode and charge simultaneously.

4.2. Software Installation

Download the official GravaStar customization software from the manufacturer's website. This software allows for advanced customization of RGB lighting, key remapping, macro creation, and DPI settings.

5. OPERATING INSTRUCTIONS

5.1. Keyboard Operation

- **Actuation Point Adjustment:** Use the GravaStar software to fine-tune the actuation point of each Hall-Effect switch from 0.005mm to 3.3mm for personalized responsiveness.
- **RGB Lighting Modes:** Cycle through various preset RGB lighting effects using dedicated function keys or customize them extensively via the software.
- **Polling Rate:** The keyboard operates at an 8000Hz polling rate in wired mode for minimal latency.

5.2. Mouse Operation

- **DPI Adjustment:** Use the dedicated DPI button on the underside of the mouse or the software to cycle through preset DPI levels, up to 32,000 DPI.
- **Programmable Buttons:** Customize the functions of the mouse buttons using the GravaStar software to assign macros or specific commands.
- **Polling Rate:** The mouse supports an 8000Hz polling rate for ultra-responsive tracking.

6. MAINTENANCE

6.1. Cleaning

- **Keyboard:** Use a soft, dry cloth to wipe down the keyboard surface. For deeper cleaning, use a keycap puller to remove keycaps and compressed air to clear debris from between switches.
- **Mouse:** Wipe the mouse surface with a soft, slightly damp cloth. Use a cotton swab for hard-to-reach areas, especially within the hollow skeleton design.

6.2. Battery Care

- Avoid fully discharging the battery frequently.
- Store devices in a cool, dry place when not in use for extended periods.
- Use only the provided charging cable or a certified equivalent.

7. TROUBLESHOOTING

7.1. Connectivity Issues

- **Device not connecting:** Ensure the device is charged and switched to the correct mode (2.4GHz or Bluetooth). Re-pair Bluetooth devices or re-insert the 2.4GHz dongle.
- **Intermittent connection:** Move the device closer to the receiver/computer. Avoid sources of interference (e.g., other wireless devices, large metal objects).

7.2. Unresponsive Keys/Mouse

- **Keyboard:** Check for debris under the keycaps. Ensure the keyboard firmware is up to date via the software.
- **Mouse:** Clean the sensor area. Adjust DPI settings to a suitable level. Ensure the mouse is on a clean, uniform surface.

7.3. Software Not Recognizing Device

- Ensure the device is connected (wired or wireless) and powered on.
- Restart the software and/or your computer.
- Reinstall the GravaStar software.

8. SPECIFICATIONS

Feature	GravaStar V75 Pro Keyboard	GravaStar Mercury X Pro Mouse
Switches	Gateron × GravaStar Magnetic Hall-Effect	N/A
Actuation Accuracy	0.005mm	N/A
Keystroke Lifespan	100 Million	N/A
Polling Rate	8000Hz (USB)	8000Hz
Key Scan Rate	256kHz	N/A
Sensor	N/A	PAW 3950
DPI Range	N/A	Up to 32,000 DPI
Design	Cyberpunk Aesthetic	Hollow Skeleton, Magnesium Alloy Frame
Battery Life	N/A	113 Hours (Bluetooth mode)

9. WARRANTY AND SUPPORT

GravaStar products come with a limited manufacturer's warranty. For detailed warranty information, product registration, and technical support, please visit the official GravaStar website or contact their customer service. Keep your proof of purchase for warranty claims.

GravaStar Official Store: Visit GravaStar Store on Amazon