

GRAUGEAR G-PS5HS03

GRAUGEAR G-PS5HS03 M.2 NVMe SSD Heatsink and Cover Set for PS5

Installation and User Manual

1. PRODUCT OVERVIEW

The GRAUGEAR G-PS5HS03 is an M.2 NVMe SSD heatsink and cover set specifically designed for the PlayStation 5 (PS5) console. This set enhances the thermal performance of an M.2 SSD installed in the PS5's expansion slot, ensuring stable operation and prolonged SSD lifespan by efficiently dissipating heat. It features a copper heat pipe and an aluminum fin design integrated into a metal dust cover.

2. PACKAGE CONTENTS

Verify that all items are present in the package before proceeding with installation.

- GRAUGEAR PS5 M.2 NVMe SSD Heatsink with Cover (Model: G-PS5HS03)
- Thermal Pads (0.5mm, 3.6W/m-k) - 2 pieces
- Screwdriver
- Screws (for SSD mounting)
- User Manual
- Warranty Card

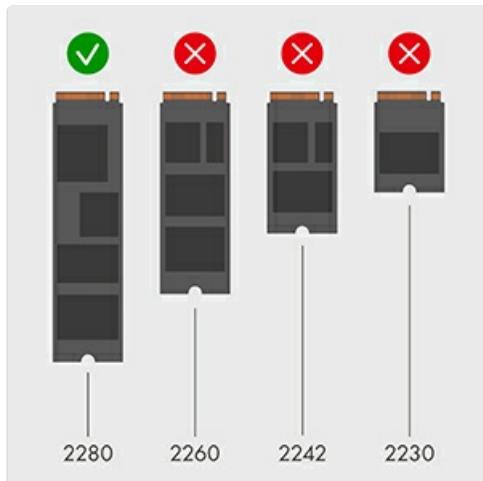


Image: Contents of the GRAUGEAR G-PS5HS03 package, including the heatsink, cover, thermal pads, screwdriver, and screws.

3. SPECIFICATIONS

Brand	GRAUGEAR
Model Number	G-PS5HS03
Cooler Heatsink Material	Aluminum / Copper Heat Pipe
Cooler Heatsink Compatibility	PS5 M.2 NVMe SSD (2280 size)
Heat Sink Dimension (L x W x H)	100mm x 23.5mm x 11mm
Dust Cover Dimension (L x W x H)	126mm x 33mm x 5mm
Heat Sink Weight	40g
Dust Cover Weight	15g
Color	Black/Silver

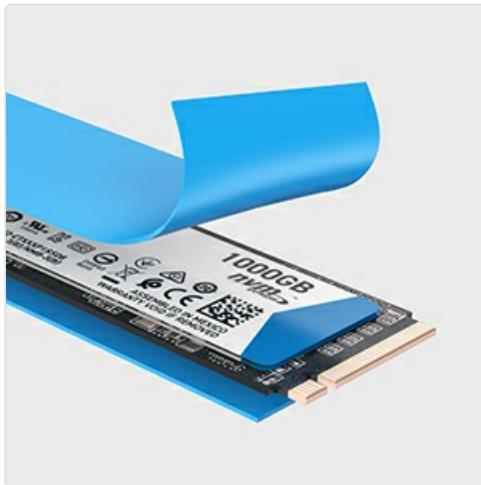


Image: Detailed dimensions and specifications of the GRAUGEAR G-PS5HS03 heatsink and dust cover.

4. INSTALLATION GUIDE

Follow these steps carefully to install your GRAUGEAR M.2 NVMe SSD Heatsink and Cover Set into your PlayStation 5 console. Ensure your PS5 is powered off and disconnected from all cables before beginning.

Video Installation Guide

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Video: This video demonstrates the unboxing and step-by-step installation of the GRAUGEAR PS5 M.2 NVMe SSD Heatsink with Cover into a PlayStation 5 console. It shows how to prepare the SSD with thermal pads, assemble it with the heatsink, and secure it in the PS5's expansion slot.

Step-by-Step Instructions

- 1. Prepare the M.2 NVMe SSD:** Carefully peel off the protective films from both sides of the thermal pads. Apply

one thermal pad to the top surface of your M.2 NVMe SSD and the other to the bottom surface. Ensure the pads are aligned with the SSD chips.

2. **Assemble Heatsink and SSD:** Place the prepared M.2 NVMe SSD into the aluminum heatsink bracket. Ensure the SSD is securely seated and the thermal pads make full contact with the heatsink.
3. **Install into PS5:** Open your PlayStation 5 console to access the M.2 expansion slot. Carefully insert the assembled heatsink and SSD unit into the slot. Gently push until it is fully seated.
4. **Secure the Heatsink:** Use the provided screwdriver and screw to fix the heatsink unit into place within the PS5's expansion slot.
5. **Attach the Dust Cover:** Place the GRAUGEAR metal dust cover over the installed heatsink. Secure it using the original screw from the PS5's M.2 expansion slot cover.



Image: Visual guide showing the four main steps for installing the heatsink and cover set.



Image: The GRAUGEAR heatsink and cover set perfectly fitted into the PlayStation 5's M.2 expansion slot.

With standard PlayStation®5 Cover

The expansion slot with standard cover on will cause the active flow little and no ventilation inside, and the high operating temperature will degrade or throttle the NVMe SSD.

With Graugear heat pipe cooler

The integrated cover and heatsink were crafted to replace the standard cover and allows your SSD upgrade to dissipate the heat and maximize the performance of your NVMe SSD upgrade.

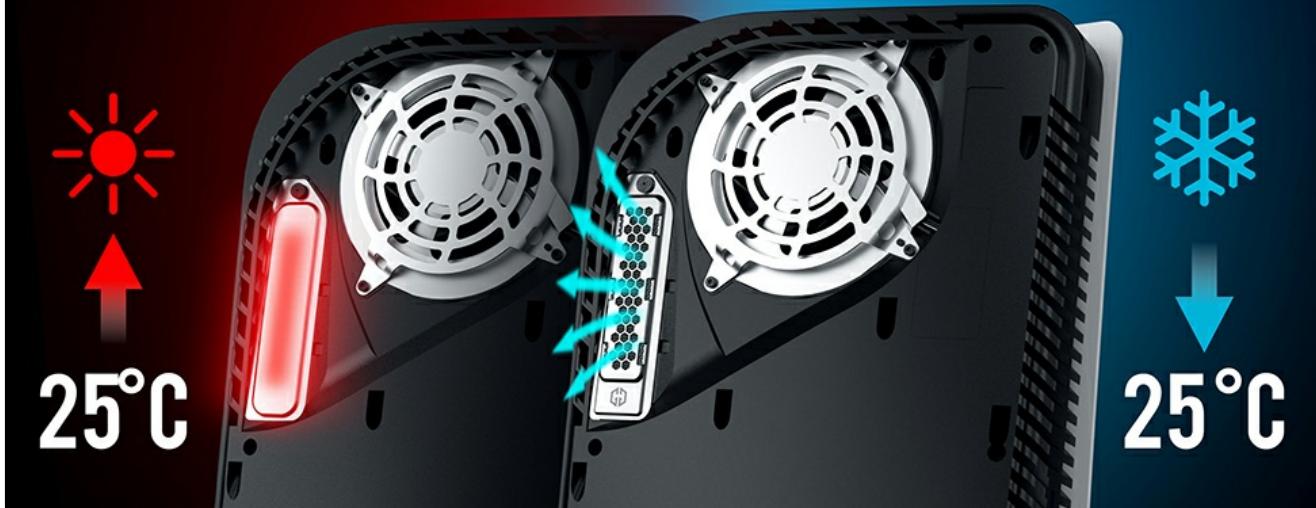


Image: Illustration of the copper heat pipe in direct contact with the SSD, efficiently transferring heat to the aluminum fins.

5. OPERATION

Once installed, the GRAUGEAR G-PS5HS03 heatsink operates passively to cool your M.2 NVMe SSD. The copper heat pipe efficiently draws heat away from the SSD, transferring it to the aluminum fins. The metal dust cover, with its ventilation holes, facilitates airflow and heat dissipation, working in conjunction with the PS5's internal cooling system to maintain optimal operating temperatures for your SSD. This helps prevent thermal throttling and ensures consistent performance during extended gaming sessions.



Image: Diagram illustrating the enhanced airflow and cooling effect provided by the heatsink within the PS5.

6. MAINTENANCE

To ensure continued optimal performance of your GRAUGEAR heatsink and PS5, periodic maintenance is recommended:

- **Dust Removal:** Periodically remove the PS5 side panel and gently clean any accumulated dust from the heatsink's fins and the dust cover's ventilation holes using compressed air or a soft brush.
- **Thermal Pad Inspection:** If you ever need to remove the SSD, inspect the thermal pads for wear or damage. Replace them if necessary to ensure efficient heat transfer.

7. TROUBLESHOOTING

If you encounter issues after installing the heatsink, consider the following:

- **SSD Not Recognized:** Ensure the M.2 SSD is fully seated in its slot. Re-install the SSD and heatsink, making sure all connections are firm.
- **Overheating Concerns:** Double-check that the thermal pads are correctly applied and making full contact with both the SSD and the heatsink. Verify that the heatsink is properly secured. Ensure the PS5's internal cooling system is not obstructed.
- **Physical Fit Issues:** Confirm that you have the correct GRAUGEAR model (G-PS5HS03) designed for the standard PS5 console.

8. WARRANTY AND SUPPORT

GRAUGEAR products come with a manufacturer's warranty. For specific warranty details, please refer to the warranty card included in your package or visit the official GRAUGEAR website. If you require technical assistance or have questions regarding your G-PS5HS03 heatsink, please contact GRAUGEAR USA customer service.

GRAUGEAR USA Customer Service: Refer to your warranty card or the official GRAUGEAR website for contact information.