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ORICO OS5

ORICO OS5 2TB M.2 SSD User Manual for PS5 Storage Expansion

Model: OS5 | Brand: ORICO

1. INTRODUCTION

The ORICO OS5 M.2 NVMe SSD is engineered to expand the storage capacity of your PlayStation 5 console. This high-performance solid-state drive features PCIe 4.0 and NVMe 2.0 technology, delivering fast data transfer speeds for an enhanced gaming experience. It comes with a pre-installed heatsink designed to optimize cooling within the PS5's airflow system, ensuring stable performance during intensive use. This manual provides essential information for installation, operation, and maintenance of your ORICO OS5 SSD.

Compatibility: This SSD is compatible with PS5, PS5 Slim, and PS5 Pro consoles. It is not compatible with PS4 series consoles due to the absence of an M.2 expansion slot.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x ORICO OS5 2TB NVMe SSD (with heatsink pre-installed)

Note: Additional tools like a screwdriver may be required for installation, depending on your console model.

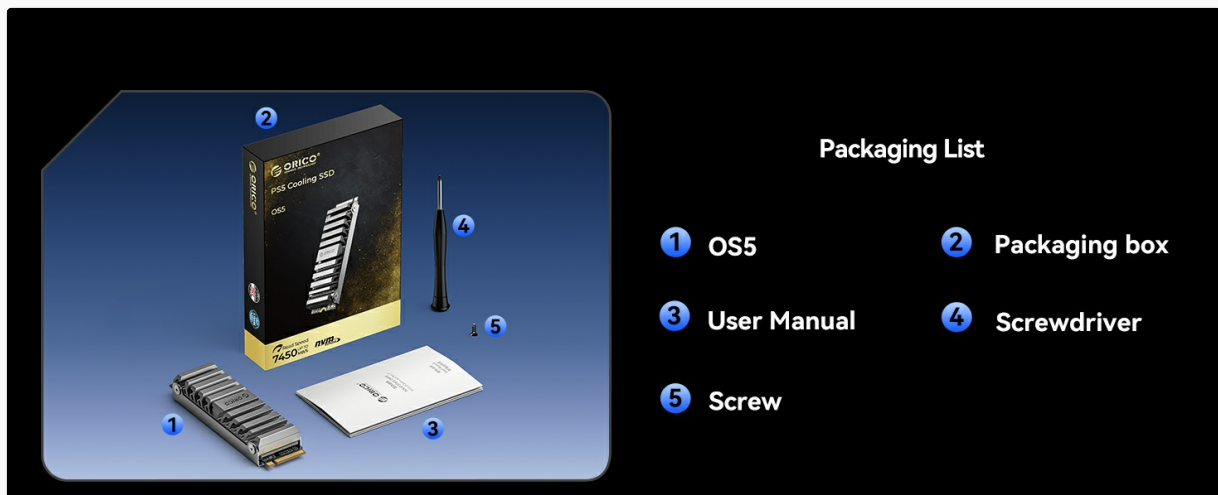


Figure 2.1: ORICO OS5 SSD packaging contents. Includes the SSD, packaging box, user manual, screwdriver, and screw.

3. SETUP & INSTALLATION (FOR PS5)

Follow these steps carefully to install your ORICO OS5 SSD into your PlayStation 5 console. Ensure the console is powered off and unplugged before beginning.

3.1 Safety Precautions

- Always power off your PS5 and unplug all cables (power, HDMI, USB) before installation.
- Work on a clean, flat surface.
- Avoid touching the connector pins of the SSD.
- Ground yourself by touching a metal object to discharge static electricity before handling internal components.

3.2 Installation Steps

1. **Remove the PS5 Base Stand:** If your PS5 is standing vertically, remove the base stand.
2. **Remove the Side Panel:** Place your PS5 on a soft cloth with the PlayStation logo facing up. Gently lift the corner of the side panel opposite the logo, then slide it downward to remove it.
3. **Unscrew the SSD Bay Cover:** Locate the expansion slot cover. Use a screwdriver to remove the screw securing the cover, then remove the metal plate.
4. **Remove the Standoff:** Inside the SSD bay, you will find a screw and a spacer (standoff). Unscrew the standoff from the slot.
5. **Insert the ORICO OS5 SSD:** Hold the ORICO OS5 SSD by its edges and align the notch on the SSD with the ridge in the expansion slot. Insert the SSD firmly into the slot at an angle.
6. **Secure the SSD:** Gently push the SSD down until it is flat. Move the standoff to the hole that matches the length of your SSD (the OS5 is a standard 2280 size). Secure the SSD with the screw into the standoff.
7. **Replace the Covers:** Reattach the metal SSD bay cover and secure it with its screw. Slide the PS5 side panel back into place until it clicks. Reattach the base stand if desired.

Your browser does not support the video tag.

Video 3.1: Official ORICO OS5 SSD Installation Guide for PS5. This video demonstrates the step-by-step process of installing the SSD into a PS5 console.

3.3 Initial Setup on PS5

After physical installation, you will need to format the SSD through your PS5 console:

1. Power on your PS5. The console should automatically detect the new M.2 SSD and prompt you to format it.
2. Follow the on-screen instructions to format the drive. This process will erase all data on the SSD, so ensure it is empty.
3. The PS5 will perform a read speed test. Note that PS5 system limitations may cap the reported read speed at approximately 6500MB/s, even if the SSD is capable of higher speeds.

Your browser does not support the video tag.

Video 3.2: Guide on formatting a new SSD. While this video shows a PC, the general principle of formatting a new drive for recognition applies.

4. KEY FEATURES

4.1 Next-Gen Speed with PCIe 4.0 & NVMe 2.0

Experience blazing-fast read speeds up to 7450MB/s for smoother gaming, faster load times, and responsive gameplay. This significantly reduces waiting times and enhances the overall gaming experience. (Performance may vary based on host device, environment, and drive capacity).



Figure 4.1: Visual representation of the ORICO OS5 SSD's high-speed performance, highlighting 7450MB/s read speed.

4.2 Integrated Heatsink for Optimized Cooling

The non-removable aluminum heatsink features a fin structure and airflow cutouts, specifically engineered to align with the PS5's internal cooling path. This design ensures efficient heat dissipation, maintaining stable operation even under heavy gaming loads and preventing thermal throttling.



Figure 4.2: Diagram illustrating how the ORICO OS5 SSD's heatsink design optimizes airflow within the PS5 for effective cooling.

4.3 Expanded Capacity for More Adventures

With 2TB of high-speed storage (available in 1TB to 4TB variants), you can significantly expand your game library. This allows you to store numerous games without the need to delete old favorites to make space for new ones. (1GB = 1 billion bytes, 1TB = 1 trillion bytes; actual user capacity may be less depending on operating environment).

4.4 Durable 3D TLC Flash for Long-Term Use

Built with high-quality 3D TLC NAND flash, the ORICO OS5 offers greater endurance with up to 1200TBW (for the 2TB model). This makes it ideal for heavy workloads and frequent game updates, ensuring long-term reliability and performance.

Product Specification

Product name	Capacity Options	Sequential Read (up to)	Sequential Write (up to)	MTBF	Service Coverage	TBW
M.2 NVMe SSD (with Heatsink)	1TB	7450MB/s	5000MB/s	≥1.5 million hours	5 Years	600TBW
	2TB	7450MB/s	6600MB/s			1200TBW
	4TB	7450MB/s	6600MB/s			2400TBW

Figure 4.3: Illustration of TLC NAND technology, emphasizing its role in providing stable performance and extended lifespan for the SSD.

5. SPECIFICATIONS

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Note: Performance may vary based on host device, environment, and drive capacity. PS5 system limitations may cap read speeds at approximately 6500MB/s.

6. OPERATING

Once the ORICO OS5 SSD is installed and formatted on your PS5, it will appear as an additional storage option. You can manage your game and application installations between the console's internal storage and the M.2 SSD storage.

6.1 Moving Games and Applications

To move games or applications between your console storage and the M.2 SSD:

1. Go to **Settings** on your PS5.
2. Select **Storage**.
3. Choose either **Console Storage** or **M.2 SSD Storage**.
4. Select **Games and Apps**.
5. Choose the items you wish to move and select **Move**.

Games installed on the M.2 SSD can be played directly without needing to move them back to console storage.

7. MAINTENANCE

To ensure the longevity and optimal performance of your ORICO OS5 SSD:

- Keep your PS5 console in a well-ventilated area to prevent excessive heat buildup.
- Avoid physical shocks or drops to the console, which could damage the internal SSD.
- Regularly update your PS5 system software to ensure compatibility and performance optimizations for M.2 SSDs.
- Do not attempt to remove the pre-installed heatsink, as this may cause damage and void the warranty.

8. TROUBLESHOOTING

8.1 SSD Not Recognized by PS5

- Ensure the SSD is correctly seated in the M.2 expansion slot. Re-insert it if necessary.
- Verify that the SSD bay cover and side panel are properly reattached.
- Confirm your PS5 system software is up to date.
- Attempt to reformat the SSD through PS5 settings (Settings > Storage > M.2 SSD Storage > Format M.2 SSD).

8.2 Performance Issues

- Ensure your PS5 is in a well-ventilated area to prevent overheating, which can impact performance.
- Remember that PS5 system limitations may cap reported read speeds at approximately 6500MB/s, even if the SSD is rated higher. This is normal behavior for the console.

9. WARRANTY & SUPPORT

The ORICO OS5 M.2 NVMe SSD is backed by a **5-year limited service plan**. For detailed warranty terms and conditions, please refer to the official ORICO website or contact customer support.

For technical support or further assistance, please visit the [ORICO Store on Amazon](#) or contact ORICO customer service directly.