

- Manuals.plus /
- > [ORICO](#) /
 - > ORICO 40Gbps M.2 NVMe SSD Enclosure with Cooling Fan User Manual

ORICO Black-40Gbps

ORICO 40Gbps M.2 NVMe SSD Enclosure with Cooling Fan User Manual

Model: Black-40Gbps | Brand: ORICO

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ORICO 40Gbps M.2 NVMe SSD Enclosure. This device is designed to convert an M.2 NVMe SSD into a high-speed external storage solution, featuring a built-in cooling fan for optimal performance and longevity.



Figure 1: ORICO 40Gbps M.2 NVMe SSD Enclosure

SAFETY INFORMATION

- Do not expose the device to water or excessive moisture.
- Avoid extreme temperatures and direct sunlight.
- Handle the SSD and enclosure with care to prevent damage.
- Ensure proper ventilation during operation.

WHAT'S IN THE BOX

- 1x 40Gbps M.2 Enclosure
- 1x USB-C to A/C Cable

- 1x Thermal Pad
- 2x Fastener
- 1x Instruction Book

SETUP

1. SSD Compatibility

The ORICO 40Gbps M.2 NVMe SSD Enclosure is compatible only with M-Key NVMe SSDs. It supports various sizes: 2230, 2242, 2260, and 2280. SATA-based M.2 SSDs (B-Key or B+M Key) are not supported.

M.2 NVMe SSD Enclosure

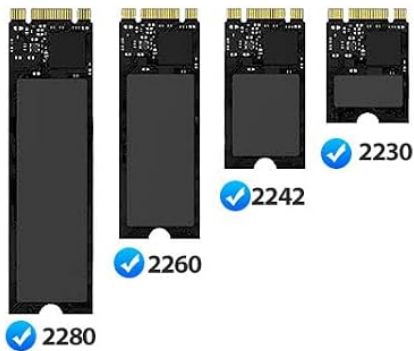
Supports M Key / 2230 2242 2260 2280 SSD only

Compatible SSD key



M KEY
NVMe/PCIe

Supported SSD protocols



✗ SATA: B-Key and B+M-Key

*Not compatible with SSD with heatsink or SATA SSD

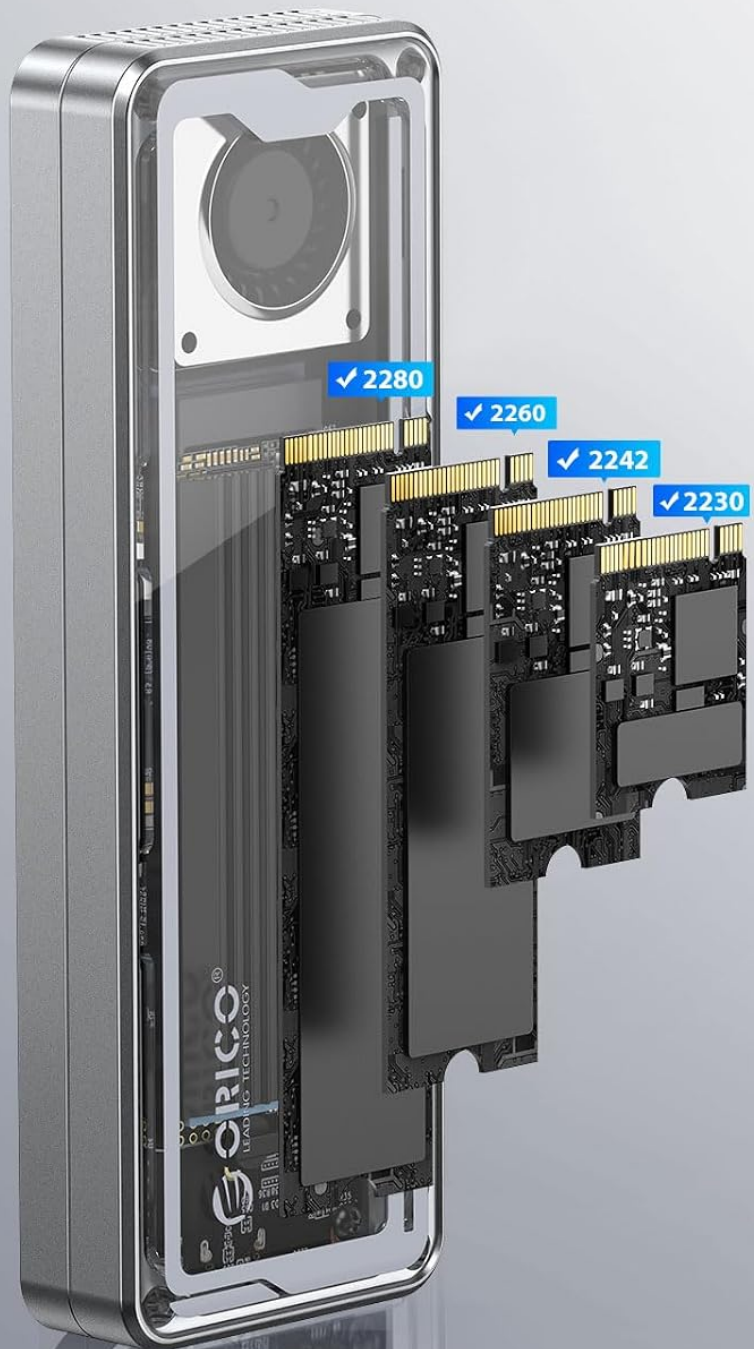


Figure 2: Supported SSD Types and Sizes

2. Tool-Free Installation

The enclosure features a tool-free design for easy SSD installation.

1. **Open the Enclosure:** Gently slide open the enclosure to reveal the internal M.2 slot.
2. **Insert SSD:** Align your M-Key NVMe SSD with the slot and insert it firmly.
3. **Secure SSD:** Use the provided fastener to secure the SSD in place.
4. **Apply Thermal Pad:** Place the thermal pad onto the SSD.

5. **Close Enclosure:** Slide the enclosure cover back until it clicks securely.

Tool-Free Installation

Opening



Close



Figure 3: Tool-Free Installation Steps

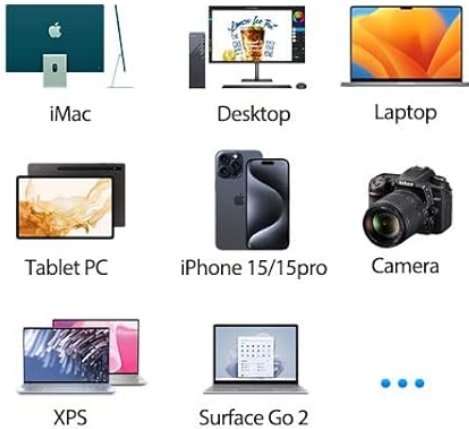
OPERATING INSTRUCTIONS

1. Connecting the Enclosure

Use the included USB-C to A/C cable to connect the enclosure to your host device. The enclosure is compatible with USB4 protocol and backward compatible with USB 3.2, USB 3.1, USB 3.0, and USB 2.0 interfaces.

Plug and Play & Wide Compatibility

1000+ Devices



System



Figure 4: Wide Compatibility

2. High-Speed Data Transmission

The enclosure supports 40Gbps transmission speeds, allowing for rapid file transfers. When connected to a Thunderbolt 4 interface, read and write speeds can reach up to 3500/2500MB/s, respectively.

40Gbps Lightning Speed

3GB File transfer in 1 Second



3700MB/s
Read Speed

3100MB/s
Write Speed

Figure 5: High-Speed Transmission

3. Important Compatibility Notes

For Thunderbolt ports, this enclosure is only compatible with Mac M1 & M2 and Windows Intel chips of the 12th generation and above. Thunderbolt ports of Intel 11th generation and earlier may not be compatible. If you are unsure about your CPU model, please contact ORICO support. It is not recommended to use Crucial-P3 Plus, WD Black SN750, or Samsung 970 EVO Plus SSDs with this enclosure.

4. Usage Scenarios

This enclosure is suitable for various demanding tasks such as:

- Expanding external database storage.
- Backing up critical data.
- Increasing storage capacity for devices.
- Facilitating fast video production and editing.
- Enhancing gaming performance by storing games externally.



Figure 6: Diverse Usage Applications

1. Heat Dissipation with Cooling Fan

The enclosure features a triple heat dissipation mechanism, including an aluminum alloy casing, a silicone thermal pad, and a built-in cooling fan. This design effectively manages heat generated by the SSD during prolonged use, ensuring stable performance and protecting the drive.

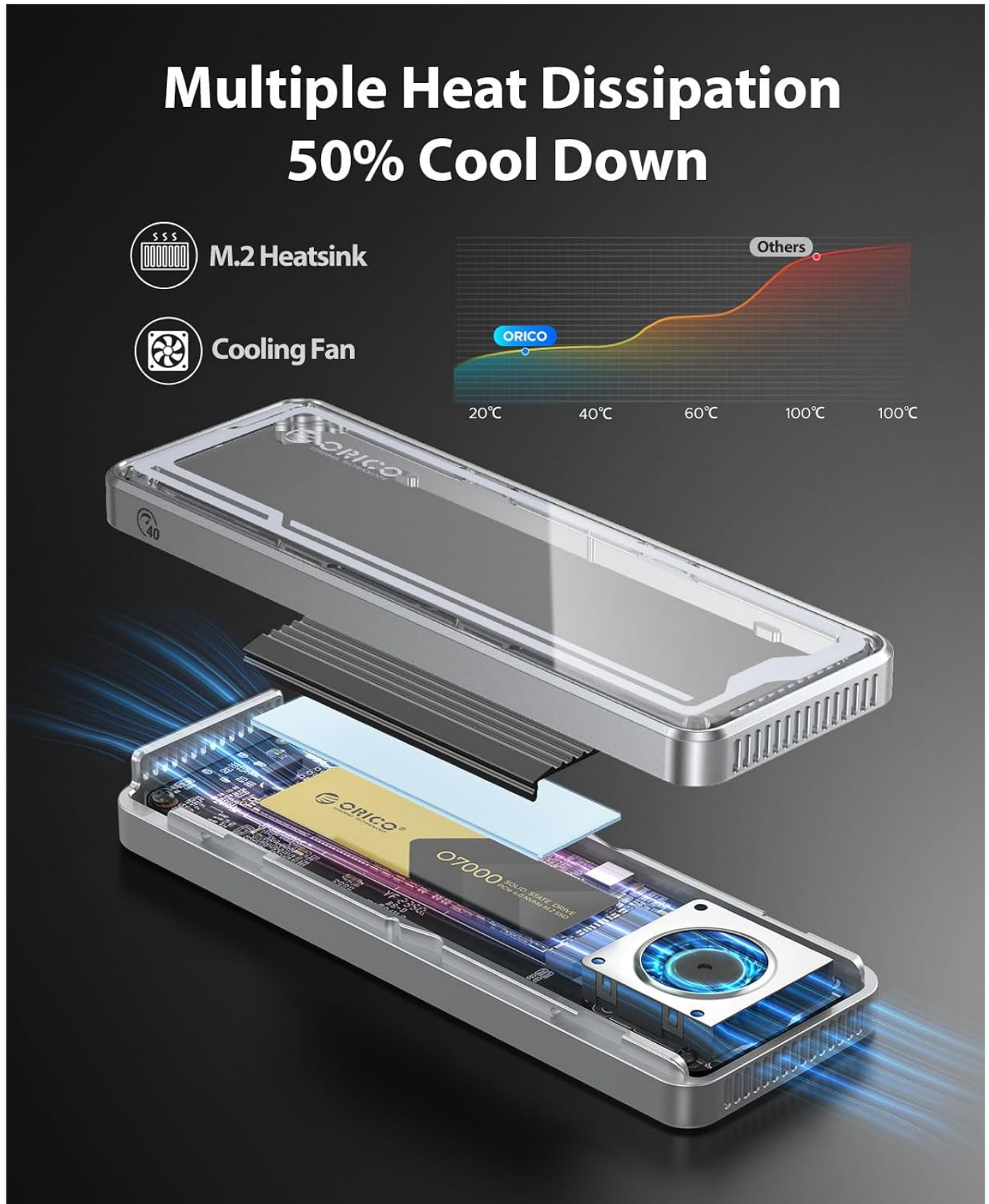


Figure 7: Advanced Cooling System

2. General Care

- Keep the enclosure clean and free from dust.

- Avoid dropping or subjecting the device to strong impacts.
- Store in a cool, dry place when not in use.

TROUBLESHOOTING

- **Slow Transfer Speeds:** Ensure your host device supports USB4 or Thunderbolt 3/4 for maximum speeds. Older Thunderbolt ports (11th generation and earlier) may not be fully compatible or achieve advertised speeds. Verify your CPU model if using Thunderbolt.
- **Device Not Recognized:** Check that the SSD is correctly seated in the enclosure and the cable is securely connected to both the enclosure and the host device. Try a different USB port or cable.
- **Overheating:** While the enclosure has a cooling fan, ensure it is not obstructed. If overheating persists, verify the thermal pad is correctly installed.
- **Fan Noise:** Some users may notice fan operation during heavy use. This is normal and indicates the cooling system is active.
- **SSD Compatibility Issues:** Confirm your SSD is an M-Key NVMe type and not a SATA M.2 SSD. Certain NVMe SSDs like Crucial-P3 Plus, WD Black SN750, or Samsung 970 EVO Plus are not recommended for optimal performance with this enclosure.

SPECIFICATIONS

Feature	Detail
Compatible Devices	Laptop
Max Supported Devices	1
Data Transfer Rate	40 Gigabits Per Second
Hardware Interface	USB Type C
Hardware Platform	Windows
Item Weight	8.1 ounces (0.23 Kilograms)
Memory Storage Capacity	Up to 8 TB
Supported SSD Types	M-Key NVMe SSDs (2230/2242/2260/2280)
Manufacturer	SHENZHEN ORICO TECHNOLOGIES CO.,LTD

OFFICIAL PRODUCT VIDEO



Video 1: ORICO 40Gbps M.2 NVMe SSD Enclosure Overview. This video provides a brief overview of the ORICO 40Gbps M.2 NVMe SSD Enclosure, showcasing its design and key features.

WARRANTY AND SUPPORT

ORICO products typically come with a manufacturer's warranty. For specific warranty details, technical support, or any inquiries regarding your ORICO 40Gbps M.2 NVMe SSD Enclosure, please refer to the official ORICO website or contact their customer service directly. The EU Spare Part Availability Duration is 12 Months.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B0CXCQCFC7>

More documents and user manuals: **<https://manuals.plus/>**