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ORICO MSG

ORICO MSG mSATA SSD Enclosure Instruction Manual

Model: MSG

1. PRODUCT OVERVIEW

The ORICO MSG mSATA SSD Enclosure allows you to convert an mSATA SSD into a portable USB 3.0 external storage device. It supports mSATA hard drives of 50mm and 30mm lengths. This enclosure is designed for efficient data transfer and portability.



Image: Key features of the ORICO mSATA SSD Enclosure, including its USB protection cap, internal design, direct plug capability, and aluminum alloy shell for durability and heat dissipation.



Image: The enclosure held in a hand, demonstrating its compact and lightweight nature, making it easy to carry.

2. SETUP AND INSTALLATION

Follow these steps to install your mSATA SSD into the ORICO enclosure:

1. **Open the Enclosure:** Gently slide open the mSATA enclosure to access the internal PCBA board.

2. **Insert SSD:** Carefully insert your mSATA SSD into the designated slot on the PCBA board. Ensure it is fully seated.
3. **Secure SSD:** Use the provided screws and screwdriver to secure the mSATA SSD to the PCBA board.
4. **Place into Enclosure:** Slide the PCBA board with the installed SSD back into the aluminum enclosure.
5. **Close and Secure:** Close the back cover of the enclosure and tighten any remaining screws to secure it.

Installation Steps



- 1 Open the mSATA enclosure, take out the PCBA board and insert the SSD



- 2 Install screws on the back of PCBA board



- 3 Put the SSD in the hard drive enclosure



- 4 Close the back cover



- 5 Tighten the screws of the back cover, carry out!

Image: A five-step visual guide demonstrating the installation process of an mSATA SSD into the enclosure, from opening to securing the drive.

The enclosure supports Plug & Play functionality, meaning no additional drivers are required for most operating systems. It also supports Hot-Swapping for convenient storage management.

3. OPERATING INSTRUCTIONS

Once your mSATA SSD is installed, connect the ORICO enclosure directly to an available USB 3.0 port on your computer. The device will be recognized automatically by your operating system.

- **Data Transfer:** The enclosure supports SuperSpeed USB 3.0, providing data transfer rates up to 5 Gbit/s. For optimal performance, connect to a USB 3.0 compatible port.
- **LED Indicator:** An integrated LED indicator provides visual feedback on the operation status of the enclosure.
- **Compatibility:** This enclosure is compatible with Windows, Mac OS, and Linux operating systems.



Image: A diagram showing the internal components and how the mSATA to USB 3.0 bridge chip enables 5Gbps high-speed data transmission.



Image: Icons representing Windows, Linux, and Mac operating systems, confirming the enclosure's broad compatibility.

Lightweight and Portable

Small and portable, easily fit into any position such as backpack, computer bag, etc.

LIGHT Up to 40g: LIGHT

Up to 40g

THIN only 0.43 in: THIN

only 0.43in



Image: The ORICO mSATA SSD Enclosure plugged directly into the USB port of a laptop, demonstrating its cable-free design.

4. MAINTENANCE

To ensure the longevity and optimal performance of your ORICO mSATA SSD Enclosure, consider the following maintenance guidelines:

- **Heat Dissipation:** The aluminum alloy shell is designed for efficient heat dissipation. Avoid covering the enclosure during operation to allow for proper airflow.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the enclosure. Avoid liquid cleaners or abrasive materials.
- **Storage:** When not in use, store the enclosure in a cool, dry place away from direct sunlight and extreme temperatures.
- **USB Port Protection:** Utilize the included USB protection cap to safeguard the USB interface from dust and damage when not connected to a device.

5. TROUBLESHOOTING

If you encounter issues with your ORICO mSATA SSD Enclosure, refer to the following common troubleshooting steps:

- **Device Not Recognized:**
 - Ensure the mSATA SSD is correctly installed and secured within the enclosure.
 - Try connecting the enclosure to a different USB port on your computer.
 - If using a USB hub, try connecting the enclosure directly to the computer's USB port. Some hubs may not provide sufficient power or data bandwidth.
 - Verify that your mSATA SSD is functional by testing it in another compatible device if possible.
- **Slow Data Transfer Speed:**
 - Ensure the enclosure is connected to a USB 3.0 port on your computer. USB 2.0 ports will result in significantly lower speeds.
 - Check that your computer's USB 3.0 drivers are up to date.
- **Enclosure Becomes Warm During Use:**
 - It is normal for the aluminum enclosure to become warm during prolonged data transfer, as it acts as a heatsink for the SSD.
 - If it feels excessively hot, ensure there is adequate ventilation around the device and avoid placing it on soft surfaces that can trap heat.
- **Incompatible SSD Types:**
 - This enclosure is designed exclusively for mSATA SSDs. It is not compatible with SATA Mini PCIE, PATA Mini PCIE, or RAID Mini PCIE SSDs.

6. SPECIFICATIONS

Model	MSG
Brand	ORICO
Hardware Interface	USB 3.0 (compatible with USB 2.0)
Data Transfer Rate	Up to 5 Gbit/s
Compatible SSD Type	mSATA SSD (50mm and 30mm)
Max Storage Capacity	Up to 4TB
Material	Aluminum Alloy
Color	Silver
Item Weight	40 Grams
Compatible Devices	Laptop, Desktop PC
Supported Operating Systems	Windows, Mac OS, Linux

7. WARRANTY AND SUPPORT

ORICO provides a 12-month warranty for this product, covering manufacturing defects and malfunctions under normal use. Additionally, lifetime technical support is available to assist with any product-related inquiries or issues you may encounter.

For warranty claims or technical assistance, please contact ORICO customer support through their official website or the retailer where the product was purchased. Please have your product model (MSG) and purchase information ready when contacting support.