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› Yottamaster Aluminum M.2 NVME SATA SSD Enclosure Adapter User Manual

Yottamaster M.2 NVME+SATA

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Model: M.2 NVME+SATA

PRODUCT OVERVIEW

The Yottamaster Aluminum M.2 NVME SATA SSD Enclosure Adapter is a versatile external storage solution designed for M.2 NVMe and SATA (B+M Key) SSDs. It supports USB 3.2 Gen 2 with a data transfer rate of up to 10 Gbps, providing fast and efficient data access. Its tool-free design allows for easy installation and removal of SSDs, making it ideal for users needing portable and high-speed storage.



Figure 1: Yottamaster M.2 NVME SATA SSD Enclosure with included USB-C to USB-C/USB-A cable.

SETUP AND INSTALLATION

This enclosure features a tool-free design for quick and easy installation of your M.2 SSD.

1. **Open the Enclosure:** Gently slide open the enclosure cover. The design allows for easy access to the internal tray.
2. **Insert the SSD:** Align your M.2 NVMe or SATA (B+M Key) SSD with the M.2 slot inside the enclosure. Carefully push the SSD into the slot until it is fully seated.
3. **Secure the SSD:** Use the provided silicone screw to secure the SSD in place. This ensures the SSD remains stable during use.
4. **Close the Enclosure:** Slide the cover back onto the enclosure until it clicks securely into place.

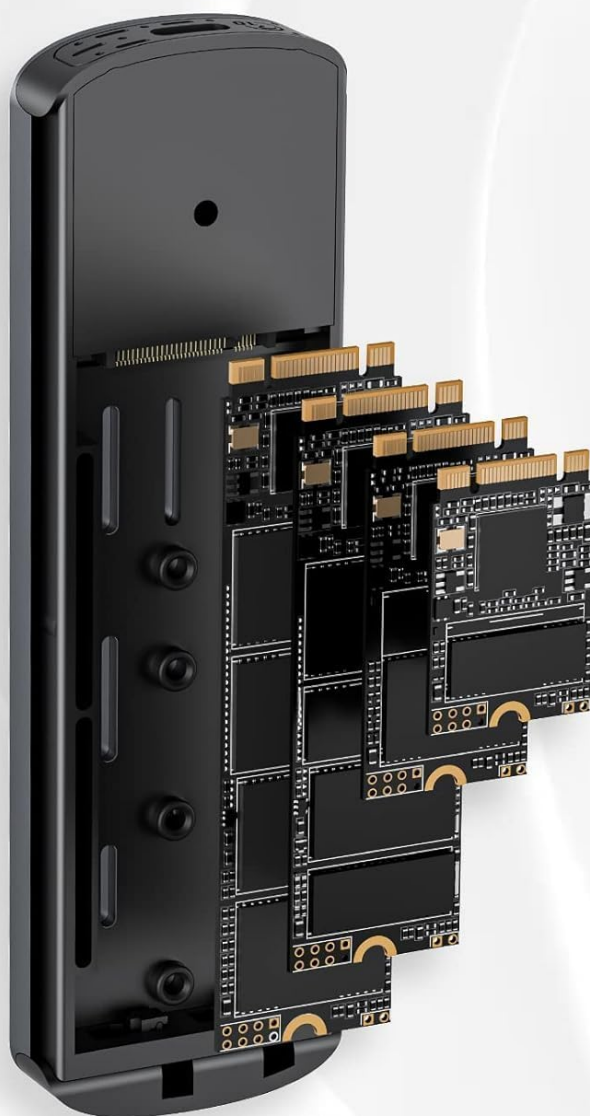
Plug and Play

Compatible with
Multiple Systems



Figure 2: Visual guide for the tool-free installation process of an M.2 SSD into the enclosure.

Compatible with



interface



NVME—M Key



NVME—B+M Key



SATA—B Key

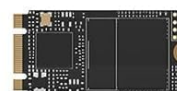


SATA—B+M Key

SSD size



2230



2242



2260



2280

Figure 3: Supported M.2 interface types (NVMe M-Key, NVMe B+M Key, SATA B+M Key) and SSD sizes (2230, 2242, 2260, 2280).

OPERATING INSTRUCTIONS

Once your SSD is installed, connect the enclosure to your device using the provided USB-C to C+A 2-in-1 data cable.

- **Connection:** Use the USB-C end of the cable to connect to the enclosure and either the USB-C or USB-A end to connect to your computer, laptop, smartphone, tablet, or game console.
- **Plug and Play:** The enclosure is plug-and-play compatible with various operating systems, including Windows, macOS, Linux, and iPadOS. No drivers are typically required.
- **Data Transfer:** The enclosure supports USB 3.2 Gen 2, offering data transfer speeds of up to 10 Gbps (approximately 1000 MB/s), ideal for large file transfers, backups, and running applications directly from the SSD.
- **LED Indicator:** A blue LED indicator light on the enclosure signifies power and activity. It will illuminate when connected and blink during data transfer.
- **Auto Sleep Mode:** To conserve power and extend SSD lifespan, the enclosure features an automatic 15-minute sleep mode when inactive.

USB C TO C+A 2-in-1 data cable



Smartphones & Tablets



iPad Pro/iPad mini 2021
iPad Air 4/Mate Pad and other
Type-C interface tablets

Game consoles



Switch/PS5/PS4

Laptops



MacBook/ASUS
Lenovo and other
Type-A/C laptops

Figure 4: The versatile USB-C to C+A cable and examples of compatible devices including smartphones, tablets, game consoles, and laptops.



Figure 5: The enclosure offers plug-and-play functionality across various operating systems such as iPadOS, Linux, macOS, and Windows.

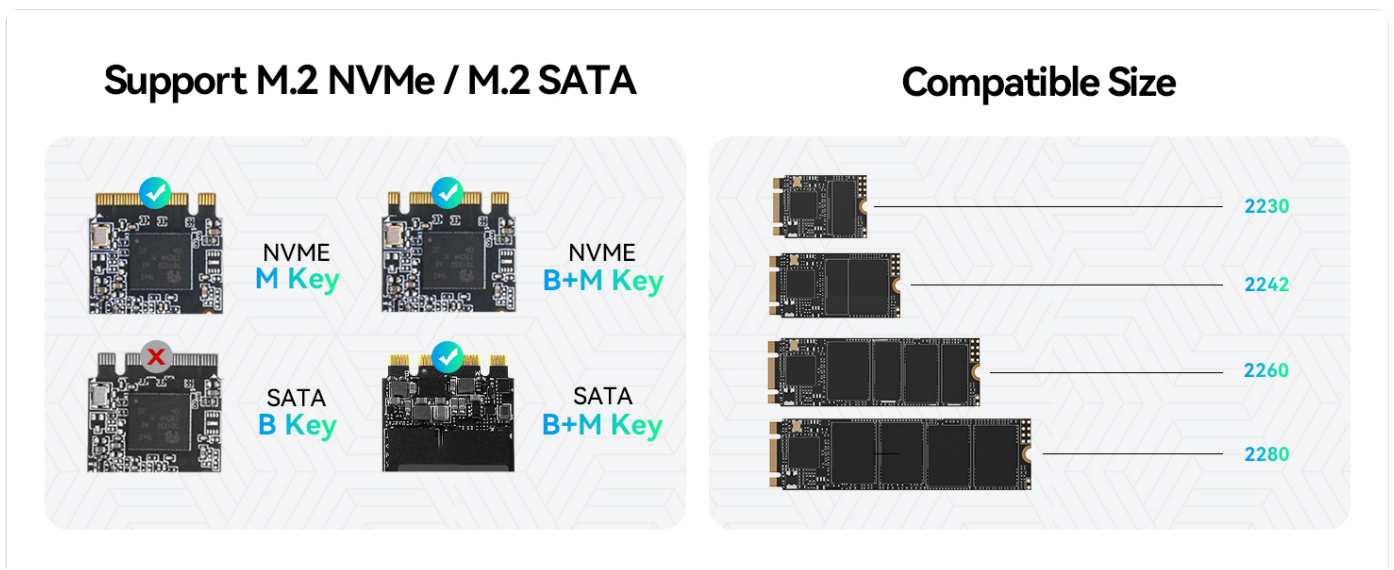


Figure 6: The enclosure automatically enters a sleep mode after 15 minutes of inactivity to save power.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Yottamaster SSD enclosure.

- **Heat Dissipation:** The aluminum casing and included thermal pad are designed to dissipate heat effectively. Ensure proper airflow around the enclosure during extended use, especially during large data transfers.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the enclosure. Avoid using 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.

M.2 NVMe Enclosure



Figure 7: Exploded view illustrating the internal components, including the aluminum casing, LED indicator, thermal fin, and cooling pad, all contributing to efficient heat dissipation.

TROUBLESHOOTING

If you encounter issues with your Yottamaster SSD enclosure, refer to the following common solutions:

- **Enclosure Not Detected:**

- Ensure the USB cable is securely connected to both the enclosure and your device.
- Try a different USB port on your device.
- Test with a different USB cable if available.
- Verify that the SSD is properly seated in the enclosure and secured with the silicone screw.
- Check if the SSD itself is functional by testing it in another compatible device if possible.

- **Slow Data Transfer Speeds:**

- Ensure you are connected to a USB 3.2 Gen 2 (10Gbps) compatible port on your device. Older USB ports (e.g., USB 2.0,

USB 3.0/3.1 Gen 1) will result in lower speeds.

- Verify that your SSD is capable of high speeds (NVMe SSDs are generally faster than SATA SSDs).
 - Close other applications that might be consuming system resources or disk I/O.
 - Ensure the enclosure and SSD are not overheating. The aluminum casing is designed for heat dissipation, but extreme workloads in hot environments can affect performance.
- **SSD Overheating:**
 - Ensure the thermal pad and heat sink (if included and installed) are correctly placed on the SSD.
 - Avoid placing the enclosure in confined spaces that restrict airflow.
 - Reduce continuous heavy workloads if overheating persists.
 - **LED Indicator Not Lighting Up:**
 - Confirm the enclosure is properly connected to a powered USB port.
 - Check the SSD installation.

SPECIFICATIONS

Feature	Detail
Model Number	M.2 NVME+SATA
Compatible SSDs	M.2 NVMe PCI-E (M-Key), M.2 SATA (B+M Key) SSDs
Supported SSD Sizes	2230, 2242, 2260, 2280
Max Memory Storage Capacity	4 TB
Hardware Interface	USB Type C, USB 3.2 Gen 2
Data Transfer Rate	10 Gigabits Per Second (10Gbps)
Material	Aluminum
Product Dimensions	4.96 x 1.5 x 0.55 inches
Item Weight	4.6 ounces
Compatible Devices	Laptop, Desktop, Smartphones, Tablets, Game Consoles
Hardware Platform	Windows, macOS, Linux, iPadOS

WARRANTY AND SUPPORT

Yottamaster products are designed for reliability and performance. For warranty information, technical support, or any inquiries regarding your M.2 NVME SATA SSD Enclosure, please visit the official Yottamaster website or contact their customer service directly.

You can find more information and contact details on the [Yottamaster Store on Amazon](#).

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Email

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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

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