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› [Alxum M.2 NVMe SATA HDD Enclosure S1232A User Manual](#)

Alxum S1232A

Alxum M.2 NVMe SATA HDD Enclosure S1232A User Manual

Model: S1232A

1. INTRODUCTION

This manual provides comprehensive instructions for the Alxum M.2 NVMe SATA HDD Enclosure, Model S1232A. It covers product features, setup, operation, maintenance, troubleshooting, and technical specifications to ensure optimal use of your device.

2. PRODUCT OVERVIEW

2.1 Key Features

- 10Gbps Transmission Rate:** Utilizes a USB 3.2 Gen 2 interface for data transfer speeds up to 10 Gbps, enabling efficient transfers for most drives.
- Wide Compatibility:** Supports both M.2 NVMe and SATA hard drives, suitable for various storage needs and frequent device switching.
- Tool-Free Plug and Play:** Designed for easy use without tools or drivers. Simply insert SATA SSDs by opening the dust cover, or M.2 SSDs directly into the NVMe slot. The open design accommodates all M.2 sizes.
- Intelligent Sleep Technology:** Automatically enters sleep mode after 30 minutes of inactivity, indicated by the disk light turning off, to conserve power and extend drive life.
- Efficient and Stable:** Features anti-breakage and over-current protection for data safety. Supports SSD TRIM commands and UASP acceleration for enhanced read and write performance.

2.2 Package Contents

- Alxum M.2 NVMe SATA HDD Enclosure (Model S1232A)
- USB-C to USB-A Cable (integrated)
- Power Adapter (for 3.5-inch HDDs)
- SATA Interface Cover
- User Manual

Slim & Compact



Image: The Alxum M.2 NVMe SATA HDD Enclosure S1232A shown with its integrated USB-C cable, power adapter, SATA interface cover, and user manual, illustrating its compact size and included components.

3. SETUP INSTRUCTIONS

Follow these steps for tool-free installation of your M.2 NVMe or SATA drive:

- 1. Open the Cover:** Gently slide open the protective cover of the enclosure.
- 2. Insert SATA Drive:** For a 2.5-inch or 3.5-inch SATA HDD/SSD, insert it into the designated SATA interface.
- 3. Insert M.2 SSD:** For an M.2 NVMe SSD, insert it into the PCIe/NVMe slot. Ensure it is seated firmly.
- 4. Connect Power Adapter:** If using a 3.5-inch HDD or if additional power is required, connect the provided power adapter to the enclosure and a power outlet.
- 5. Connect to Device:** Plug the integrated USB cable from the enclosure into a compatible USB port on your computer, laptop, game console (e.g., PS5), or other device.

Tool-free Installation



Image: A visual guide demonstrating the five steps for tool-free installation: opening the cover, inserting SATA HDD/SSD, inserting M.2 SSD, plugging in the power adapter, and connecting to a host device.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

Once connected, the enclosure operates as a plug-and-play device. Your operating system (Windows, macOS, Linux) should automatically detect the connected drive without requiring additional drivers.



Image: The Alxum enclosure connected to a laptop, illustrating its driver-free, plug-and-play compatibility across Windows, Mac OS, and Linux operating systems.

4.2 LED Indicators

The enclosure features LED indicators to display its operational status:

- **Power Light:** Indicates the device is powered on.
- **M.2 Run Light:** Illuminates when an M.2 SSD is active.
- **SATA Run Light:** Illuminates when a SATA drive is active.

4.3 Auto Sleep Mode

To conserve energy and prolong drive lifespan, the enclosure will automatically enter sleep mode if there is no read or write activity for 30 minutes. The disk activity lights will turn off during this state.



Image: A close-up of the Alxum enclosure highlighting the Power, M.2 Run, and SATA Run LED indicators, along with a visual representation of the 30-minute auto sleep mode and the detachable SATA interface cover.

4.4 Usage Scenarios

The Alxum enclosure is versatile for various applications:

- **Data Transfer:** Quickly move files between drives or to/from your computer.
- **Data Storage:** Use as an external storage solution for backups or expanding capacity.
- **Media Playback:** Access and play movies, music, or other media directly from the connected drive.
- **Gaming:** Store and run games from an external drive for compatible consoles or PCs.

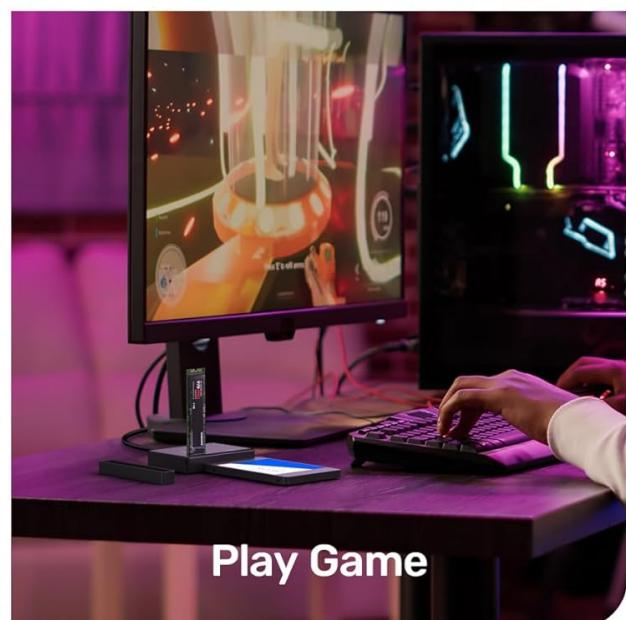
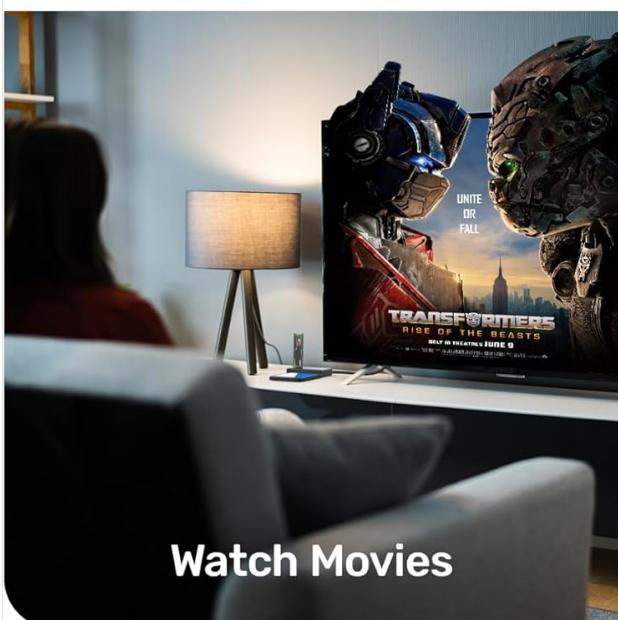
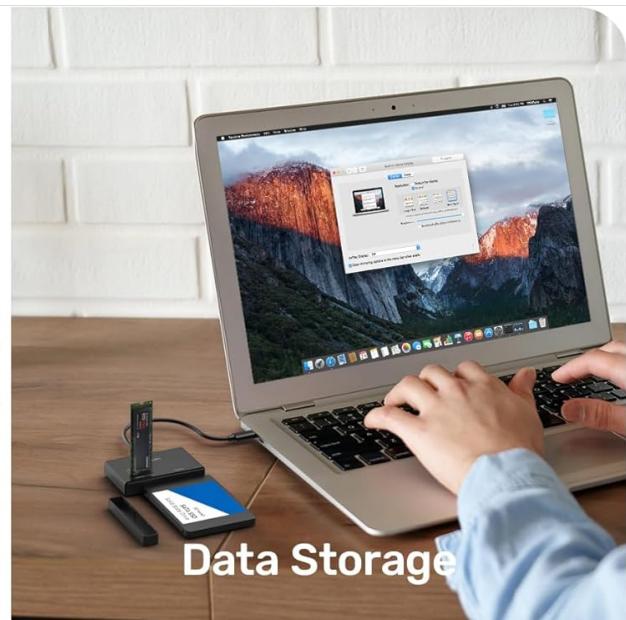


Image: A collage depicting four common use cases for the Alxum enclosure: data transfer between a laptop and an external drive, data storage with a laptop, watching movies on a TV, and playing games on a desktop PC, all utilizing the enclosure.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Alxum enclosure:

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the enclosure to extreme temperatures, humidity, or direct sunlight.
- Handle the device with care to prevent physical damage.
- Utilize the detachable protection cap to cover the SATA interface when not in use, preventing dust accumulation and damage.

6. TROUBLESHOOTING

If you encounter issues with your Alxum enclosure, consider the following:

- **Device Not Recognized:**
 - Ensure all cables are securely connected.

- Verify the drive is properly seated in its slot (M.2 or SATA).
- If using a 3.5-inch HDD, confirm the power adapter is connected and supplying power.
- Try connecting to a different USB port on your computer.
- Check your computer's Disk Management (Windows) or Disk Utility (macOS) to see if the drive is detected but uninitialized or unformatted.

- Slow Transfer Speeds:**

- Ensure you are connected to a USB 3.2 Gen 2 (10Gbps) compatible port on your host device.
- Verify the drive itself supports high transfer speeds (e.g., NVMe SSDs are faster than SATA SSDs, which are faster than HDDs).
- Close other applications that might be using system resources or the drive.

- Drive Not Powering On:**

- Confirm the power adapter is correctly plugged into both the enclosure and a working power outlet (especially for 3.5-inch HDDs).
- Check the power light indicator on the enclosure.

- Incompatible Drive:**

- Ensure your M.2 SSD is NVMe (M Key or B&M Key) and not SATA (B Key). The enclosure supports PCIe M.2 NVMe and SATA drives, but not M.2 SATA drives.
- Verify the physical size of your M.2 SSD (22x42, 22x60, 22x80, 22x110).

7. SPECIFICATIONS

Feature	Detail
Model Number	S1232A
Brand	Alexum
Hardware Interface	USB 3.2 Gen 2
Data Transfer Rate	Up to 10 Gbps
Compatible Drive Types	PCIe M.2 NVMe SSD, SATA 2.5" HDD/SSD, SATA 3.5" HDD/SSD
Supported M.2 Key Types	M Key (NVMe), B & M Key (NVMe)
Supported M.2 Sizes	22x42mm, 22x60mm, 22x80mm, 22x110mm
Compatible Devices	Laptop, Desktop PC, Game Consoles (e.g., PS5)
Hardware Platform	Universal
Material	Plastic
Product Dimensions	3.31 x 2.36 x 0.61 inches (84 x 60 x 15 mm)
Item Weight	8.8 ounces

Feature	Detail
Special Features	Tool-free installation, UASP acceleration, TRIM support, 30-minute auto sleep mode, Over-current protection



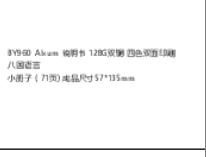
Image: A diagram illustrating the compatibility of the Alxum enclosure with various SATA interface drives (2.5"/3.5" HDD/SSD) and M.2 NVMe drives (M Key, B&M Key) of different sizes (22x42, 22x60, 22x80, 22x110).

8. WARRANTY AND SUPPORT

For product support, including troubleshooting assistance or warranty inquiries, please refer to the seller's contact information available on the product purchase page where you acquired this Alxum M.2 NVMe SATA HDD Enclosure S1232A.

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