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› Avolusion HD250U3-M2 External Hard Drive Enclosure User Manual

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USER MANUAL

1. Introduction

Thank you for choosing the Avolusion HD250U3-M2 Ultra Slim SuperSpeed USB 3.0 2.5" External Hard Drive Enclosure. This enclosure is designed to transform any standard 2.5-inch SATA I/II/III HDD or SSD into a portable, high-speed external storage solution. Its robust aluminum housing ensures durability and efficient heat dissipation, while USB 3.0 connectivity provides fast data transfer rates up to 5Gbps. This manual provides detailed instructions for installation, operation, and maintenance to ensure optimal performance and longevity of your device.

2. Package Contents

- Avolusion HD250U3-M2 External Hard Drive Enclosure
- USB 3.0 Type-A to Micro-B Cable
- User Manual (this document)
- (Optional: Small screwdriver and mounting screws, depending on specific model revision)

3. Features

- **Robust Aluminum Housing:** Ensures durability and efficient heat dissipation.
- **Compatibility:** Supports 2.5" SATA I/II/III Hard Drives and Solid State Drives (SSDs).
- **SuperSpeed USB 3.0:** Data transfer rates up to 5Gbps, backward compatible with USB 2.0.
- **USB Powered:** No separate AC adapter needed, convenient for portability.
- **Plug and Play:** No drivers required for most operating systems.
- **Hot Swappable:** Easily replace drives without restarting your computer.
- **Data Activity Indicator:** Blue LED indicates power and data transfer activity.
- **Ultra Slim Design:** Compact and portable for on-the-go use.

4. System Requirements

- Available USB 3.0 or USB 2.0 port
- Windows 10 / 8.1 / 8 / 7 / Vista / XP

- macOS (OS X) 10.4 or later
- Linux Kernel 2.6 or later

5. Setup and Installation

Follow these steps to install your 2.5-inch SATA hard drive or SSD into the Avolusion HD250U3-M2 enclosure.

1. **Open the Enclosure:** Carefully slide open the enclosure cover. Depending on the model, this may involve sliding one end or removing small screws.

Image description: A diagram showing how to slide open the enclosure cover to reveal the internal SATA connector.



2. **Connect the Drive:** Align your 2.5-inch SATA HDD or SSD with the SATA connector inside the enclosure. Gently push the drive firmly into the connector until it is securely seated. Ensure the drive is oriented correctly.

Image description: An illustration showing a 2.5-inch SATA drive being connected to the internal SATA data and power connector within the enclosure.



3. **Secure the Drive (if applicable):** If your enclosure model includes mounting screws, use them to secure the drive within the enclosure. This prevents movement and ensures proper contact.

4. **Close the Enclosure:** Slide the enclosure cover back into place until it clicks or is fully closed. If screws were removed, re-insert and tighten them.

Image description: A visual guide demonstrating how to close the enclosure after the hard drive has been installed, showing the cover sliding back into position.



5. **Connect to Computer:** Connect one end of the provided USB 3.0 cable to the Micro-B port on the enclosure and the other end to an available USB 3.0 (blue port) or USB 2.0 port on your computer.

Image description: A diagram showing the USB 3.0 cable connecting the external hard drive enclosure to a computer's USB port.



6. **Drive Recognition:** Your operating system should automatically detect the new drive.
 - **For new drives:** If you are using a brand new hard drive or SSD, it may need to be initialized and formatted before it can be used. Refer to your operating system's disk management tools (e.g., Disk Management in Windows, Disk Utility in macOS) to perform this action.
 - **For used drives:** If the drive already contains data, it should appear as a removable drive in "My Computer" (Windows) or on the Desktop/Finder (macOS).

6. Operation

- **Power Indicator:** The blue LED on the enclosure will illuminate when connected to a powered USB port. It will blink during data transfer activity.
- **Data Transfer:** Drag and drop files to and from the drive icon, or use copy/paste functions as you would with any other storage device.
- **Safe Removal:** Always safely eject the drive from your operating system before disconnecting the USB cable to prevent data corruption.
 - **Windows:** Click the "Safely Remove Hardware and Eject Media" icon in the system tray, then select your drive.
 - **macOS:** Drag the drive icon to the Trash, or right-click (Control-click) the drive icon and select "Eject".
- **Hot Swappable:** The enclosure supports hot-swapping, meaning you can connect and disconnect the drive without

needing to restart your computer, provided you safely eject it first.

7. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the enclosure. Do not use liquid cleaners or solvents.
- **Storage:** When not in use, store the enclosure in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping or subjecting the enclosure to strong impacts, as this can damage the internal drive.
- **Firmware:** Periodically check the Avolusion website for any firmware updates for the enclosure, though these are rare for simple enclosures.

8. Troubleshooting

Q: The enclosure is not detected by my computer.

- Ensure the USB cable is securely connected to both the enclosure and the computer.
- Try connecting to a different USB port on your computer.
- Test with a different USB cable if available.
- Verify that the internal 2.5" drive is properly seated in the SATA connector.
- If it's a new drive, ensure it has been initialized and formatted using your operating system's disk management tools.
- Try connecting the enclosure to another computer to rule out a computer-specific issue.

Q: The data transfer speed is slow.

- Ensure you are connected to a USB 3.0 port on your computer (typically blue colored). Connecting to a USB 2.0 port will limit speeds to USB 2.0 rates.
- The actual speed depends on the performance of the installed 2.5" drive. Older HDDs will be slower than modern SSDs.
- Avoid transferring many small files simultaneously, as this can reduce overall transfer speed.

Q: The LED indicator is not lighting up.

- Ensure the USB cable is firmly connected to a powered USB port.
- Try a different USB port or computer.
- Verify the internal drive is correctly installed.

9. Specifications

Model Number	HD250U3-M2
Interface	USB 3.0 (backward compatible with USB 2.0)
Internal Interface	SATA I/II/III for 2.5" HDD/SSD
Max Transfer Speed	Up to 5Gbps (USB 3.0)
Material	Aluminum
Power Supply	USB Bus Powered
Compatible Drive Type	2.5-inch SATA HDD/SSD (up to 9.5mm thickness)

10. Warranty and Support

Avolusion products are designed for reliability and performance. This product comes with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your purchase or visit the official Avolusion website.

For technical support, troubleshooting assistance, or to inquire about warranty service, please contact Avolusion customer support through their official website or the contact information provided with your product documentation.

Avolusion Official Website: www.avolusion.com (Please note: This is a placeholder URL. Refer to your product packaging or official documentation for the correct support website.)

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