

SilverStone SST-MUA01B

SilverStone MUA01 M.2 NVMe SSD to U.2 SSD Adapter Instruction Manual

Model: SST-MUA01B

1. PRODUCT OVERVIEW

The SilverStone MUA01 is an adapter designed to convert an M.2 NVMe Solid State Drive (SSD) into a U.2 SSD (SFF-8639) form factor. This allows M.2 NVMe SSDs to be used in systems that support U.2 interfaces, providing high-speed data transfer capabilities up to PCIe Gen4 64GT/s. The adapter features an aluminum alloy construction for efficient heat dissipation and supports various M.2 NVMe SSD lengths.

2. FEATURES

- Converts M.2 NVMe SSD to U.2 SSD (SFF-8639).
- Constructed with all aluminum alloy to aid in reducing SSD temperature.
- Supports hot-swap function (requires motherboard or interface card support).
- Supports PCIe Gen4 64GT/s transmission speed.
- 9.5mm standard U.2 SSD mounting holes.
- Supports 2230, 2242, 2260, 2280 M.2 NVMe SSD form factors.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- SilverStone MUA01 M.2 NVMe to U.2 SSD Adapter (Aluminum enclosure)
- Thermal pad
- Screwdriver
- Mounting post
- Screws



Image: Included accessories for the MUA01 adapter, featuring a screwdriver, various screws, a thermal pad, and a mounting post.

4. SETUP AND INSTALLATION

Follow these steps to install your M.2 NVMe SSD into the MUA01 adapter and connect it to your system.

4.1. Installing M.2 NVMe SSD into the Adapter

1. Carefully open the MUA01 adapter enclosure.
2. Locate the M.2 slot inside the adapter.
3. Align your M.2 NVMe SSD with the M.2 slot and gently insert it. Ensure the notch on the SSD aligns with the key in the slot.
4. Secure the M.2 SSD with the provided mounting post and screw.
5. Apply the thermal pad to the M.2 SSD for optimal heat dissipation, then close the adapter enclosure and secure it with the provided screws.



Image: An exploded view of the MUA01 adapter, illustrating its components including the top cover, the main circuit board with the M.2 slot, and the bottom casing.



Image: An M.2 NVMe SSD correctly installed and secured within the MUA01 adapter, ready for enclosure assembly.

4.2. Connecting to System

1. Locate an available U.2 (SFF-8639) port on your motherboard or host adapter card.
2. Connect the MUA01 adapter, with the M.2 SSD installed, to the U.2 port. Ensure a firm connection.
3. Secure the adapter within your system chassis using standard drive bay screws if applicable.
4. Power on your system. The M.2 NVMe SSD should be detected by the operating system. You may need to initialize and format the drive through your operating system's disk management tools.



Image: A side profile of the MUA01 adapter, clearly showing the U.2 (SFF-8639) connector for system integration.

5. OPERATING INSTRUCTIONS

Once installed, the MUA01 adapter functions as a bridge, allowing your system to recognize and utilize the M.2 NVMe SSD as a U.2 drive. No specific software or drivers are typically required for the adapter itself, as it is a passive conversion device. The operating system will interact directly with the M.2 NVMe SSD.

5.1. Hot-Swap Functionality

The MUA01 adapter supports hot-swap functionality. However, this feature is dependent on the motherboard or interface card to which the adapter is connected. Ensure your system's U.2 interface and BIOS settings support hot-swapping if you intend to use this feature. Always safely eject or unmount the drive through your operating system before physically removing it during operation to prevent data loss.

6. MAINTENANCE

The SilverStone MUA01 adapter requires minimal maintenance. To ensure optimal performance and longevity:

- **Keep it Clean:** Periodically clean the exterior of the adapter with a soft, dry cloth to remove dust. Avoid using liquid cleaners.
- **Ensure Airflow:** If installed in a chassis, ensure adequate airflow around the adapter to assist with heat dissipation, especially during heavy workloads.
- **Proper Handling:** Handle the adapter and any installed SSDs with care to avoid physical damage to connectors or components.

7. TROUBLESHOOTING

If you encounter issues with the MUA01 adapter, consider the following troubleshooting steps:

- **Drive Not Detected:**
 - Ensure the M.2 NVMe SSD is fully seated in the adapter's slot and secured.
 - Verify the MUA01 adapter is securely connected to the U.2 port on your motherboard or host card.
 - Check your system's BIOS/UEFI settings to ensure the U.2 port is enabled and configured correctly.
 - Test the M.2 NVMe SSD directly in a compatible M.2 slot (if available) to rule out SSD failure.
 - Ensure your operating system's disk management can see and initialize the drive.
- **Slow Performance:**
 - Confirm your motherboard/interface card supports PCIe Gen4 speeds if your SSD is Gen4.
 - Ensure the U.2 cable (if external) is rated for the appropriate speed.
 - Check for system bottlenecks (CPU, RAM, other storage devices).
- **Overheating:**

- Ensure the thermal pad is correctly applied to the M.2 NVMe SSD.
- Verify adequate airflow within your system chassis.

For further assistance, refer to the official SilverStone website or contact their customer support.

8. SPECIFICATIONS

Feature	Specification
Model Number	SST-MUA01B
Hardware Interface	Solid State Drive (M.2 NVMe to U.2 SFF-8639)
Brand	SilverStone
Colour	Black
Hardware Platform	PC
Material	Aluminium
Item Weight	0.15 Kilograms
Compatible Devices	Laptop (and other systems with U.2 interface)
Max Number of Supported Devices	1 (M.2 NVMe SSD)
Data Transfer Rate	64 Gigabits Per Second (PCIe Gen4)
Supported M.2 SSD Lengths	2230, 2242, 2260, 2280
Built-In Media	Aluminum enclosure, thermal pad, screw driver, mounting post, screws
UPC	844761026349



Image: The bottom surface of the MUA01 adapter, displaying the SilverStone logo, various regulatory compliance symbols (FC, CE, UKCA), and the product model identifier.

9. WARRANTY AND SUPPORT

SilverStone Technology provides a limited warranty for its products. For specific warranty terms and conditions, please refer to the official SilverStone website or the warranty card included with your product. For technical support, product inquiries, or to download the latest drivers and manuals, please visit the official SilverStone Technology website.

An official manual for the MUA01 adapter can be found [here](#).



MUA01

M.2 NVMe SSD to U.2 SSD Adapter

- Converts M.2 NVMe SSD to U.2 SSD (SFF-8639)
- Constructed with all aluminum alloy
- Supports hot-swap function
(motherboard or interface card must support hot-swap function)

TH M.2 NVMe SSD to U.2 SSD Adapter
KR M.2 NVMe SSD to U.2 SSD Adapter
JP M.2 NVMe SSD to U.2 SSD Adapter
CN M.2 NVMe SSD to U.2 SSD Adapter
TW M.2 NVMe SSD to U.2 SSD Adapter

Image: The retail packaging for the SilverStone MUA01, featuring product images, key features, and a QR code that links to the digital manual.