

## Generic

# M.2 SATA Duplicator Notebook Hard Drive Box

## USER MANUAL

### 1. Introduction

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Thank you for purchasing the M.2 SATA Duplicator Notebook Hard Drive Box. This device is designed to provide efficient and convenient data management for M.2 SATA SSDs, offering both offline cloning capabilities and dual-bay reading when connected to a computer. Its compact design and versatile compatibility make it an ideal tool for data backup, migration, and storage expansion.

# M.2 SATA hard disk copier



Double disk  
simultaneous  
reading



Fast



Fast heat  
dissipation



Figure 1: M.2 SATA Hard Disk Copier highlighting its features.

Key features include:

- **One-click Offline Copy:** Duplicate data from one M.2 SATA SSD to another without needing a computer connection.
- **Dual Drawer Reading:** Efficiently transfer data between two M.2 SATA SSDs when connected to a host computer.
- **Multi-spec M.2 Hard Disk Compatibility:** Supports various M.2 SATA SSD sizes (2230, 2242, 2260, 2280, 22110) with a vertical in-line design.
- **LED Indicator:** Real-time progress display for cloning operations.
- **Wide Application:** Suitable for office storage, gaming, and connecting to routers.

## 2. Setup

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Follow these steps to set up your M.2 SATA Duplicator:

1. **Unpack the Device:** Carefully remove the M.2 SATA Duplicator and all accessories from the packaging. Ensure all

components listed in the package contents are present.

2. **Connect Power:** Connect the provided power adapter to the "DC IN" port on the duplicator and plug the other end into a power outlet.
3. **Insert M.2 SATA SSDs:**
  - Identify the "Source HDD1" and "Target HDD2" slots on the duplicator.
  - Gently insert your M.2 SATA SSDs (B-KEY or B+M-KEY) into the respective slots. Ensure they are fully seated.
4. **Optional PC Connection:** If you intend to use the device as an external drive enclosure, connect the Type-C data cable from the "PC" port on the duplicator to a USB port on your computer.



Figure 2: Device ports for power and PC connection.



Figure 3: Top view with SSD slots and progress indicators.

### 3. Operating Instructions

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#### 3.1. Offline Cloning (One-Click Copy)

This function allows you to duplicate data from a Source SSD to a Target SSD without connecting to a computer.

1. Ensure the duplicator is disconnected from any computer.
2. Insert the **Source M.2 SATA SSD** into the "Source HDD1" slot.
3. Insert the **Target M.2 SATA SSD** into the "Target HDD2" slot. *Note: The Target SSD must be equal to or larger in capacity than the Source SSD. All data on the Target SSD will be erased during the cloning process.*
4. Connect the power adapter to the duplicator and a power outlet.
5. Press and hold the "Clone" button (usually located near the LED indicators) for approximately 3-5 seconds until the LED indicators begin to flash, indicating the cloning process has started.
6. Monitor the LED indicators (25%, 50%, 75%, 100%) to track the cloning progress. Each LED will light up steadily as that percentage of the cloning process is completed.
7. Once the 100% LED is steadily lit, the cloning process is complete. Safely remove the SSDs.

# One-click offline copy

Copy data from one hard disk to another  
without connecting a computer

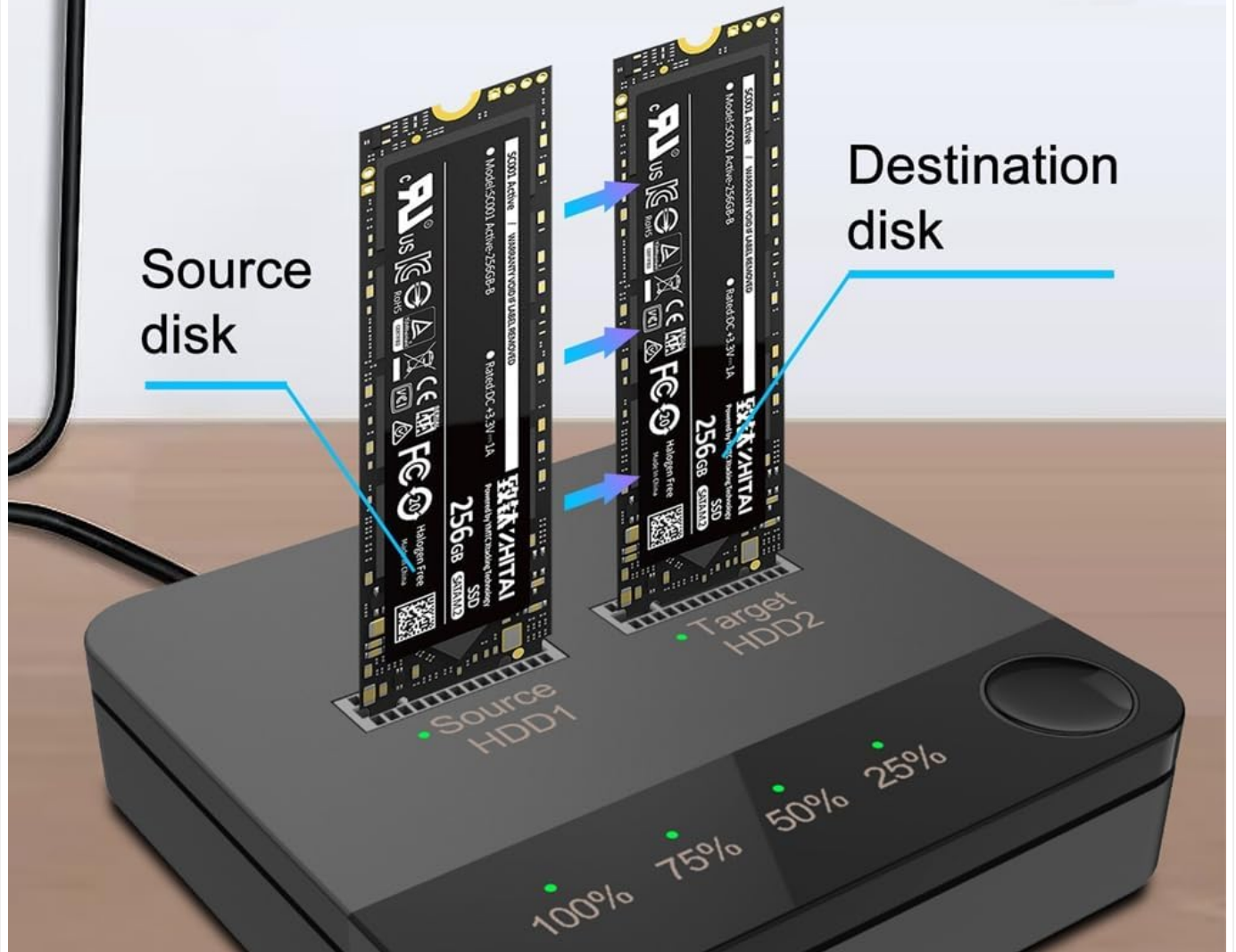


Figure 4: Offline cloning process illustration.

# LED indicator

Real-time understanding of copy progress



Figure 5: LED indicators for progress monitoring.

## 3.2. Data Transfer (PC Connection)

When connected to a computer, the duplicator functions as a dual-bay M.2 SATA SSD enclosure.

1. Ensure the duplicator is powered on.
2. Connect the Type-C data cable from the "PC" port on the duplicator to an available USB port on your computer.
3. Insert one or two M.2 SATA SSDs into the "Source HDD1" and/or "Target HDD2" slots.
4. Your computer's operating system (Windows, macOS) should automatically detect the connected SSD(s) as external storage devices.
5. You can now access, read, write, and transfer data to and from the inserted SSDs using your computer's file explorer.

# Dual drawer reading

More efficient transfer of copies



Figure 6: Dual drawer reading with PC connection.

## 4. Maintenance

To ensure the longevity and optimal performance of your M.2 SATA Duplicator, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry, lint-free cloth to wipe the exterior of the device. Do not use liquid cleaners or aerosols.
- **Storage:** Store the device in a cool, dry place away from direct sunlight, extreme temperatures, and humidity.
- **Handling:** Handle the device and M.2 SSDs with care to avoid physical damage. Avoid dropping or subjecting the device to strong impacts.
- **Power Off:** Always disconnect the power adapter when the device is not in use for extended periods.

## 5. Troubleshooting

If you encounter issues with your M.2 SATA Duplicator, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device not powering on / No LED activity.	Power adapter not connected properly or faulty.	Ensure the power adapter is securely connected to the device and a working power outlet. Try a different outlet.
Offline cloning does not start.	Clone button not held long enough; PC cable connected; Target SSD too small or faulty.	Hold the clone button for 3-5 seconds. Disconnect the Type-C PC cable. Ensure Target SSD capacity is equal to or greater than Source SSD. Check SSDs for proper insertion.
SSDs not recognized by computer.	Type-C data cable not connected; SSD not properly inserted; Driver issue; SSD not initialized/formatted.	Ensure Type-C cable is connected to the "PC" port and computer. Re-insert SSDs. Try a different USB port on your computer. Check Disk Management (Windows) or Disk Utility (macOS) to see if the SSD is detected but needs initialization/formatting.
Cloning process stops unexpectedly.	Power interruption; SSD error; Overheating.	Ensure stable power supply. Check SSD health. Allow device to cool down if it feels hot. Restart the cloning process.

## 6. Specifications

Feature	Detail
Product Name	M.2 SATA Duplicator
Model Number	Generic (Docking Station)
Supported Hard Disks	M.2 SATA (B-KEY / B+M-KEY)
Product Function	One-drive-one hard disk offline copy, Data transfer
Compatibility (OS)	Windows XP/7/8/10, macOS
Color	Black & Gray
Material	ABS
Dimensions (approx.)	8 x 7.7 x 2 cm / 7.9 x 7.6 x 1.8 cm
Hardware Interface	Solid State Drive
Compatible Devices	Laptop

# Compatible with multi-specification M.2 hard disk

Vertical in-line design, no size limit

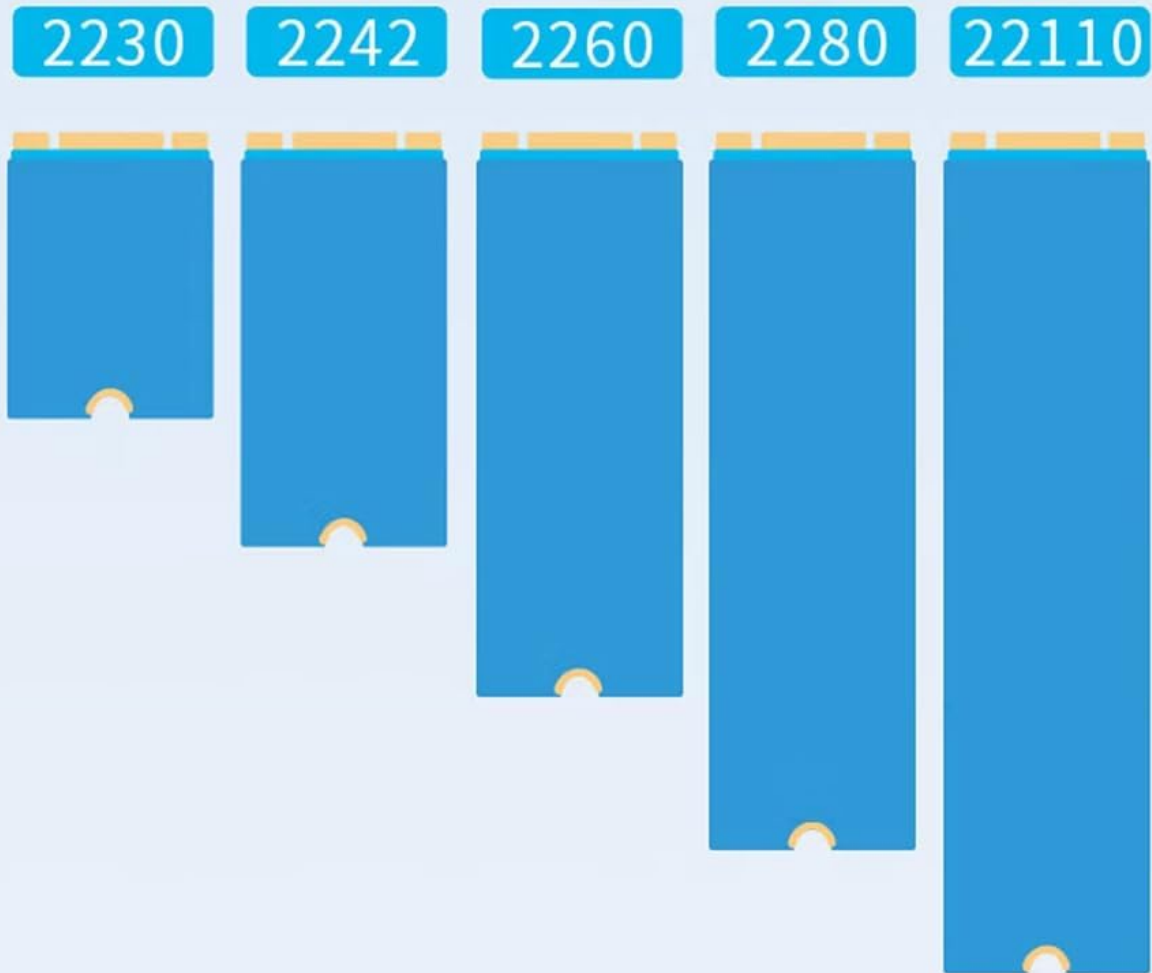


Figure 7: M.2 SSD size compatibility.

## 7. Warranty and Support

Specific warranty information for this product is not provided in this manual. Please refer to the retailer's return policy or the manufacturer's official website for warranty details.

For technical support or further assistance, please contact the seller or manufacturer through the platform where the product was purchased. Keep your purchase receipt or order number handy for faster service.