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Mediasonic H82-SU3S3

Mediasonic USB 3.0 8 Bay 3.5" SATA Hard Drive Enclosure (H82-SU3S3) User Manual

Model: H82-SU3S3

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Mediasonic USB 3.0 8 Bay 3.5" SATA Hard Drive Enclosure (H82-SU3S3). This Direct Attached Storage (DAS) unit is designed to expand your storage capacity by housing up to eight 3.5-inch SATA hard disk drives, connecting to your computer via USB 3.0 or eSATA. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

SAFETY INFORMATION

- Ensure the enclosure is placed on a stable, flat surface to prevent accidental falls.
- Do not expose the unit to moisture, rain, or extreme temperatures.
- Avoid blocking ventilation openings to prevent overheating.
- Use only the provided power adapter or a compatible replacement.
- Do not attempt to open or repair the unit yourself. Refer to qualified service personnel.
- Disconnect the power cable before performing any maintenance or installation procedures.

PACKAGE CONTENTS

Verify that all items are present in the package:

- Mediasonic H82-SU3S3 8-Bay Enclosure
- Power Adapter
- USB 3.0 Cable
- eSATA Cable
- Hard Drive Mounting Screws and Brackets
- User Manual (this document)



Image: The Mediasonic H82-SU3S3 enclosure shown alongside its included accessories, which typically consist of a power adapter, USB 3.0 cable, eSATA cable, mounting screws, and a user manual.

PRODUCT OVERVIEW

Familiarize yourself with the components and ports of the Mediasonic H82-SU3S3 enclosure.

Front View



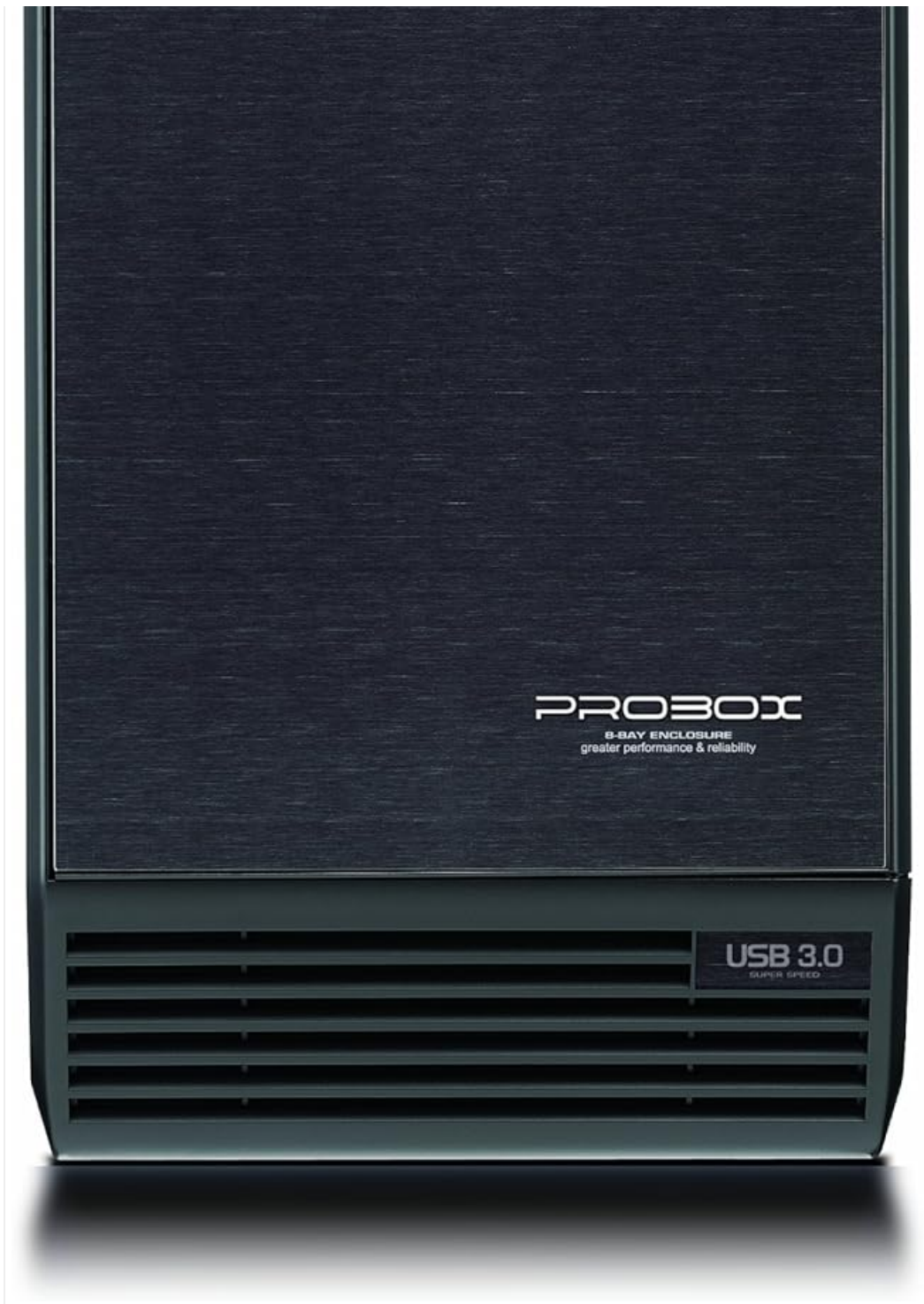


Image: A direct front view of the Mediasonic H82-SU3S3 enclosure, highlighting the drive bays, power button, and status indicators.

- **Power Button:** Controls the main power to the unit.
- **Drive Status LEDs:** Indicate the activity and status of each installed hard drive.
- **Interface Selection Button:** Toggles between USB 3.0 and eSATA connectivity.
- **Lock:** Secures the front panel.

Rear View



Image: The rear panel of the Mediasonic H82-SU3S3 enclosure, clearly labeling the eSATA port, USB 3.0 port, AC input port, and smart fans.

- **eSATA Port:** For connecting to a computer via eSATA cable.
- **USB 3.0 Port:** For connecting to a computer via USB 3.0 cable (backward compatible with USB 2.0).
- **AC Input Port:** Connects to the power adapter.
- **Smart Fans:** Two fans for cooling, featuring auto and manual speed control.

SETUP

1. Hard Drive Installation

The enclosure supports 3.5-inch SATA hard disk drives up to 30TB per drive. 2.5-inch SATA hard drives or SSDs up to 18TB per drive are also supported with a bracket adapter (sold separately).

1. Ensure the enclosure is powered off and disconnected from the computer.
2. Unlock and open the front panel of the enclosure.
3. Slide a 3.5-inch SATA hard drive into an available drive bay until it firmly connects to the SATA backplane. For 2.5-inch drives, first secure the drive to a 2.5" to 3.5" adapter bracket.
4. Secure the hard drive using the provided mounting screws if necessary, though the tool-less design often holds drives securely.
5. Repeat for additional drives.
6. Close and lock the front panel.

2. Connecting to Computer

Choose either USB 3.0 or eSATA for connection.

- **USB 3.0 Connection:** Connect one end of the USB 3.0 cable to the USB 3.0 port on the enclosure and the other end to an available USB 3.0 port on your computer.
- **eSATA Connection:** Connect one end of the eSATA cable to the eSATA port on the enclosure and the other end to an available eSATA port on your computer. Ensure your computer's eSATA port supports port multiplication if you intend to use multiple drives via eSATA.

3. Powering On

1. Connect the power adapter to the AC input port on the enclosure and then plug it into a power outlet.
2. Press the power button on the front of the enclosure. The power LED will illuminate, and the drive LEDs will indicate activity as the drives spin up.
3. Your operating system should detect the new drives. You may need to initialize and format new drives through Disk Management (Windows) or Disk Utility (macOS) before use.

OPERATION

Interface Selection

The enclosure features a one-button interface selection. Press the interface selection button on the front panel to switch between USB 3.0 and eSATA connectivity. Ensure the enclosure is disconnected from the computer or safely ejected before switching interfaces to prevent data loss.

Smart Fan Function

The built-in temperature sensor controls the smart fan function, offering both Auto and Manual modes with three levels of fan speed. This helps maintain optimal operating temperatures for your hard drives.

- **Auto Mode:** The fan speed adjusts automatically based on the internal temperature.
- **Manual Mode:** Allows you to manually select one of three fan speed levels. Refer to the full user manual for specific instructions on switching modes and adjusting speeds.



Image: Front and rear views of the Mediasonic H82-SU3S3 enclosure, illustrating the airflow path through the unit for effective cooling of the hard drives.

Drive Management

This enclosure functions as Direct Attached Storage (DAS), meaning each installed hard drive is recognized as an independent drive by your computer. It does not support hardware RAID. Software RAID configurations can be implemented via your operating system if desired.

- **Individual Drive Access:** Each drive appears as a separate volume.
- **Hot-Swap Capability:** While the enclosure supports hot-swapping, it is recommended to safely eject or dismount drives through your operating system before removal to prevent data corruption, especially when using USB. eSATA mode may offer more reliable hot-swap behavior depending on your system's eSATA controller.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the enclosure. Do not use liquid cleaners or aerosols.
- **Fan Maintenance:** Periodically check the cooling fans for dust accumulation. If necessary, gently clean the fan

blades with compressed air to ensure optimal airflow. The fans are designed for easy installation and replacement.

- **Firmware Updates:** Check the Mediasonic website for any available firmware updates for your model. Follow the instructions provided with the update carefully.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Enclosure does not power on.	Power cable not connected, power outlet faulty, power adapter failure.	Ensure power cable is securely connected. Test the power outlet. Try a different power adapter if available.
Hard drives not detected by computer.	Incorrect interface selected, loose data cable, new drives not initialized/formatted, faulty drive.	Press the interface selection button to ensure the correct mode (USB/eSATA) is active. Check data cable connections. For new drives, initialize and format them in Disk Management (Windows) or Disk Utility (macOS). Test drives individually.
Drives connect/disconnect repeatedly.	Faulty hard drive, unstable connection, power supply issue.	Test each drive individually to identify a potentially faulty drive. Ensure all cables are secure. Try a different USB/eSATA port on your computer.
Slow data transfer speeds.	Using USB 2.0 port, cable issue, drive performance limitations.	Ensure you are connected to a USB 3.0 port on your computer. Use the provided USB 3.0 cable. Check the performance specifications of your hard drives.
Enclosure is overheating.	Blocked ventilation, fan malfunction, excessive ambient temperature.	Ensure ventilation openings are clear. Check if fans are spinning. Adjust fan speed to a higher setting if in manual mode. Operate in a well-ventilated area.

SPECIFICATIONS

Feature	Detail
Model	H82-SU3S3
Brand	Mediasonic
Interface	USB 3.0, eSATA
Drive Support	8 x 3.5" SATA HDD (up to 30TB per drive), 2.5" SATA HDD/SSD with adapter (up to 18TB per drive)
Data Transfer Rate	Up to 5.0Gbps (USB 3.0), Up to 6.0Gbps (eSATA)
Material	Metal
Dimensions (L x W x H)	6.8" x 4.9" x 9" (17.3 cm x 12.4 cm x 22.9 cm)
Item Weight	11.1 pounds (5.03 kg)

Feature	Detail
Compatible OS	Windows, macOS, Linux
Special Features	One-button interface selection, Smart Fan Function (Auto/Manual with 3 speeds)

WARRANTY AND SUPPORT

Mediasonic products typically come with a limited manufacturer's warranty. Please refer to the warranty card included with your product or visit the official Mediasonic website for detailed warranty terms and conditions.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact Mediasonic customer service. Contact information can usually be found on the official Mediasonic website or within the product packaging.

You can also find additional resources and product information on the [Mediasonic Store on Amazon](#).

A PDF version of the user manual is available for download: [Mediasonic H82-SU3S3 User Manual \(PDF\)](#).

