Hagibis MC25PRO HD

Hagibis MC25PRO HD USB-C Hub with Dual Hard Drive Enclosure User Manual

Model: MC25PRO HD

1. INTRODUCTION

This manual provides instructions for the Hagibis MC25PRO HD USB-C Hub with Dual Hard Drive Enclosure. This device is designed to expand connectivity and storage options for your Mac Mini or Mac Studio, offering multiple ports and dual hard drive bays.

Please read this manual thoroughly before using the product to ensure proper operation and to prevent damage.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- Hagibis MC25PRO HD USB-C Hub
- User Manual
- USB-C Data Cable (x2)

Image: Contents of the product package, showing the Hagibis hub, user manual, and two data cables.

3. PRODUCT OVERVIEW

The Hagibis MC25PRO HD is a multi-functional docking station designed for Mac Mini and Mac Studio. It integrates various ports and dual hard drive enclosures into a compact form factor.

3.1. Features

- **Dual Hard Drive Enclosure:** Supports M.2 NVMe/NGFF and 2.5-inch SATA (HDD/SSD up to 10mm thickness).
- **Video Output:** DP1.4 (4K/60Hz) and HDMI (4K/60Hz) for dual screen expansion.
- **USB Ports:** 1x USB3.1 Gen2 (10Gbps), 1x USB-C (10Gbps), 2x USB3.0 (5Gbps).
- **Card Readers:** SD and Micro SD card slots.
- **Material:** Aluminum alloy for efficient heat dissipation.

3.2. Port Layout

Image: Detailed diagram illustrating the various ports and their functions on the Hagibis MC25PRO HD hub.

- **USB3.0 (5Gbps):** Standard USB-A ports for peripherals.
- **SD/Micro SD:** Card reader slots.
- **LED:** Power/activity indicator.
- **USB3.1 Gen2 (10Gbps):** High-speed USB-A port.
- **USB-C (10Gbps):** High-speed USB-C data port.
- **DP1.4 (4K/60Hz):** DisplayPort output.
- **HDMI (4K/60Hz):** HDMI output.
- **USB-C (A):** Provides power to all interfaces except DisplayPort and HDMI.
- **USB-C (B):** Provides power to DisplayPort and HDMI interfaces. Required for DP port functionality.

Important Note: When M.2 and 2.5-inch hard drives are used simultaneously, or when using DP/HDMI, it is recommended to connect both USB-C (A) and USB-C (B) interfaces to your device for sufficient power supply.

4. SETUP INSTRUCTIONS

4.1. Installing Hard Drives

The hub supports one M.2 (NVMe/NGFF) SSD and one 2.5-inch SATA (HDD/SSD) simultaneously.

1. **For M.2 SSD:** Locate the M.2 slot on the underside of the hub. Insert your M.2 NVMe or NGFF SSD into the slot and secure it according to the mechanism provided (e.g., screw or clip).

2. **For 2.5-inch SATA Drive:** Open the 2.5-inch drive bay cover on the underside. Insert your 2.5-inch SATA HDD or SSD (up to 10mm thickness) into the bay, ensuring it connects properly to the SATA connector. Close the cover.

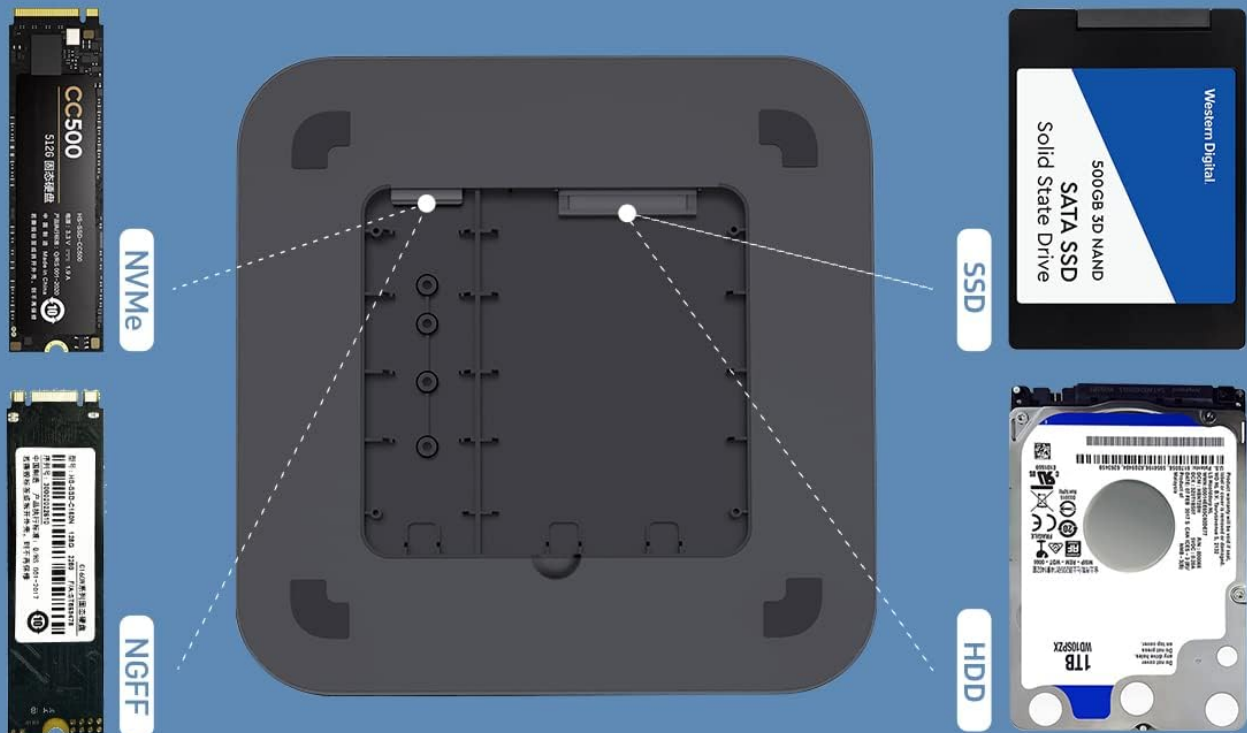Image: Illustration of how to install M.2 NVMe/NGFF and 2.5-inch SATA hard drives into the enclosure bays.

Note: New hard drives may require initialization and formatting through your operating system's disk management utility before use.

4.2. Connecting to Mac Mini/Studio

1. Place the Hagibis hub directly under your Mac Mini or Mac Studio for a seamless fit.

2. Connect the provided USB-C data cables from the hub's USB-C (A) and USB-C (B) ports to the USB-C/Thunderbolt ports on your Mac Mini/Studio.

3. Ensure both USB-C cables are connected for full functionality, especially when using dual hard drives or video outputs.

Image: The Hagibis hub positioned beneath a Mac Mini, demonstrating its integrated design.

5. OPERATING INSTRUCTIONS

5.1. Using USB Ports and Card Readers

- Connect USB devices (keyboards, mice, external drives, etc.) to the USB3.0, USB3.1 Gen2, or USB-C data ports.
- Insert SD or Micro SD cards into the respective slots for data access.

5.2. Dual Screen Expansion

The hub supports dual 4K/60Hz display output via DP1.4 and HDMI ports.

1. Connect your primary monitor to the DP1.4 port using a DisplayPort cable.
2. Connect your secondary monitor to the HDMI port using an HDMI cable.
3. Ensure both USB-C (A) and USB-C (B) cables are connected from the hub to your Mac Mini/Studio for sufficient power to drive both displays.

4. Adjust display settings in your operating system (System Preferences > Displays on macOS) to configure extended or mirrored display modes.

Image: A Mac Studio connected to three external monitors, demonstrating the hub's multi-display capability. Note: M1 chip limitations apply.

Note on M1 Chip: Mac Mini models with the original M1 chip may only support expansion to one external screen. M1 Pro, M1 Max, and M1 Ultra chips do not have this limitation.

5.3. Data Transfer Speeds

The hub supports high-speed data transfer up to 10Gbps for compatible devices and drives.

Image: A graphical representation of speed test results, indicating high read and write speeds for data transfer.

Actual speeds may vary depending on the connected devices, cables, and the host system's capabilities. Due to limitations of the Apple M1 chip, read and write speeds may be lower compared to non-M1 chip computers.

6. MAINTENANCE

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the hub to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or repair the device yourself. Refer to qualified service personnel.
- Ensure proper ventilation around the hub, especially when hard drives are installed, to prevent overheating.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Hard drive not detected.	Loose connection. Insufficient power. Drive not initialized/formatted. Incompatible drive.	Ensure the drive is securely seated in its bay. Connect both USB-C (A) and USB-C (B) cables to your Mac. Check Disk Utility (macOS) to initialize and format the drive. Verify drive type (M.2 NVMe/NGFF, 2.5-inch SATA) and thickness (2.5-inch drives up to 10mm).
Display output not working or flickering.	USB-C (B) not connected. Cable issue. M1 chip limitation.	Ensure USB-C (B) is connected to your Mac. Try a different DisplayPort or HDMI cable. Confirm your Mac's M1 chip variant supports multiple external displays.
Slow data transfer speeds.	M1 chip limitation. Cable quality. Drive performance.	Be aware of potential M1 chip limitations on transfer speeds. Use high-quality USB-C cables. Ensure your hard drives are capable of high speeds.

8. SPECIFICATIONS

Feature	Detail
Model	MC25PRO HD
Brand	Hagibis
Compatible Devices	Mac Mini, Mac Studio
Hard Drive Support	1x M.2 (NVMe/NGFF), 1x 2.5-inch SATA (HDD/SSD up to 10mm)
Video Output	1x DP1.4 (4K/60Hz), 1x HDMI (4K/60Hz)
USB Ports	1x USB3.1 Gen2 (10Gbps), 1x USB-C (10Gbps), 2x USB3.0 (5Gbps)
Card Reader	SD, Micro SD
Data Transfer Rate	Up to 10 Gigabits Per Second
Material	Aluminum Alloy
Dimensions	19.48 x 19.48 x 1.5 cm
Weight	600 g

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Hagibis website or contact their customer service directly. Keep your purchase receipt for warranty claims.

Manufacturer: Shanghai Xinxie Industrial Co., Ltd