



[Manuals.plus](#) /

› [MAIWO](#) /

› MAIWO 4 Bay Hard Drive RAID Enclosure User Manual

## MAIWO 4 Bay Dock RAID

# MAIWO 4 Bay Hard Drive RAID Enclosure User Manual

Model: 4 Bay Dock RAID | Brand: MAIWO

## INTRODUCTION

---

This manual provides comprehensive instructions for the installation, operation, and maintenance of your MAIWO 4 Bay Hard Drive RAID Enclosure. Please read this manual thoroughly before using the device to ensure proper functionality and data safety.



Figure 1: MAIWO 4 Bay Hard Drive RAID Enclosure

## PACKAGE CONTENTS

Verify that all items are present in the package:

- 1x Hard Drive RAID Enclosure
- USB-C to USB-A Cable
- USB-C to USB-C Cable
- Power Adapter
- Power Adapter Cable
- Screwdriver and Screws

Your browser does not support the video tag.

Video 1: Product and Fitting Overview (from 0:00 to 0:05)

This video demonstrates the components included in the MAIWO 4 Bay Hard Drive RAID Enclosure package, such as the enclosure itself, various cables, and the power adapter.

## SETUP AND INSTALLATION

### 1. Hard Drive Installation

1. Remove the screws from the enclosure and slide out the middle frame for HDD1/2.
2. Insert the 3.5-inch SATA HDD into the middle frame and secure it with screws.
3. Repeat for HDD3/4 if applicable.
4. Slide the loaded middle frame back into the enclosure.
5. Secure the shell and central frame from the bottom with screws.

Your browser does not support the video tag.

Video 2: Product Installation (from 0:05 to 1:12)

This video provides a step-by-step guide on how to insert and secure the hard drives into the enclosure, including the use of the provided screwdriver.



Figure 2: Hard Drive Installation Steps

This diagram illustrates the six steps for installing 3.5-inch SATA HDDs into the MAIWO 4 Bay RAID Enclosure, showing how to remove the frame, insert drives, screw them in, and reassemble the unit.

### 2. Connecting to Your Device

1. Connect the appropriate USB-C data cable (USB-C to USB-A or USB-C to USB-C) from the enclosure's Type-C port to your computer or compatible device.
2. Connect the power adapter to the DC 12V port on the enclosure and plug it into a power outlet.
3. Turn on the power switch on the enclosure.

## OPERATING INSTRUCTIONS

---

### 1. Initializing Disks

After connecting the enclosure, you may need to initialize and format the disks for use with your operating system.

1. Right-click "This PC" (or "My Computer") and select "Manage".
2. In the Computer Management window, navigate to "Disk Management" under "Storage".
3. Locate the newly connected disk(s) (often marked as "Unknown" or "Not Initialized"). Right-click the disk and select "Initialize Disk". Choose MBR for disks smaller than 2TB or GPT for disks larger than 2TB.
4. After initialization, right-click the unallocated space on the disk and select "New Simple Volume".
5. Follow the New Simple Volume Wizard, clicking "Next" through the prompts to assign a drive letter and format the volume (NTFS is recommended for Windows).
6. Once formatted, your disk will be ready for use.

Your browser does not support the video tag.

Video 3: Initializing Disk (from 1:12 to 1:43)

This video demonstrates the process of initializing and formatting a new disk within Windows Disk Management, including selecting MBR or GPT partition styles and creating a new simple volume.

### 2. RAID Mode Setting

**Important: Changing RAID mode will erase all data on the drives. Please back up your data before proceeding.**

The enclosure supports multiple RAID modes: Normal, RAID 0, RAID 1, RAID 3, RAID 5, RAID 10, CLONE, and JBOD. To change the RAID mode:

1. Shut off the power to the enclosure using the power switch.
2. Use a small tool (like the provided screwdriver) to change the DIP switches on the back of the enclosure to the desired RAID configuration. Refer to the diagram below for switch settings.
3. Press and hold the "RESET" button. While holding "RESET", turn the power switch ON.
4. Release the "RESET" button when you hear a "Di" sound, indicating successful setting.
5. Initialize and partition the disks in Disk Management as described in the "Initializing Disks" section.

**Note: Before changing to a different RAID mode, first change the mode to "Normal".**

# 4 Bay x 24TB = 96TB Capacity



Figure 3: Back Diagram and RAID Mode Switches

This image shows the rear panel of the MAIWO 4 Bay RAID Enclosure, highlighting the Reset button, Type-C port, HDTV port, Fan Switch, Power Switch, DC Power In, and the RAID Mode Switches (DIP switches) with their corresponding labels.

## 7 RAID Modes

Please switch it to Normal before setting another RAID mode, otherwise the switch will be invalid.  
(Note: Set the RAID mode you need and then long-press RESET button, switch the Power Button to OFF and then ON, loosen RESET button when you hear Di sound and that means RAID mode set successfully, then you can initialize the hard drives.)



Figure 4: RAID Mode Settings

This diagram illustrates the switch configurations for the 7 supported RAID modes: Normal, RAID 5, Clone, RAID 3, LARGE, RAID 1/10, and RAID 0. It also

includes notes on the procedure for setting RAID modes.

### Your browser does not support the video tag.

Video 4: RAID Mode Setting (from 1:43 to 2:02)

This video demonstrates how to change the RAID mode on the enclosure using the DIP switches and the reset button, emphasizing the data erasure warning.

## 3. HDTV Screen Expansion

The enclosure features an HDTV port for 4K Ultra HD video output, allowing connection to TVs, computers, and tablets.

1. Connect a compatible USB-C to HDTV cable from the enclosure's HDTV port to your display device (e.g., TV, monitor).
2. Ensure your device is powered on and the correct input source is selected.
3. The screen from your connected device (e.g., smartphone) should now be mirrored or extended to the HDTV.

### Your browser does not support the video tag.

Video 5: HDTV Screen Expansion (from 2:18 to 2:40)

This video demonstrates how to connect the enclosure to an external display via the HDTV port, showcasing screen mirroring from a mobile device.

## MAINTENANCE

---

### Cooling System

The enclosure is equipped with dual ball-bearing fans and honeycomb vents for efficient heat dissipation. The fans are manually controlled.

1. To activate the fans, use the fan switch on the back panel.
2. The switch has three settings: High, Low, and OFF. Select the appropriate setting based on your cooling needs.

# Excellent Cooling System

- 1) Dual Cooling Fans
- 2) Aluminium Alloy Shell
- 3) Honeycomb Holes

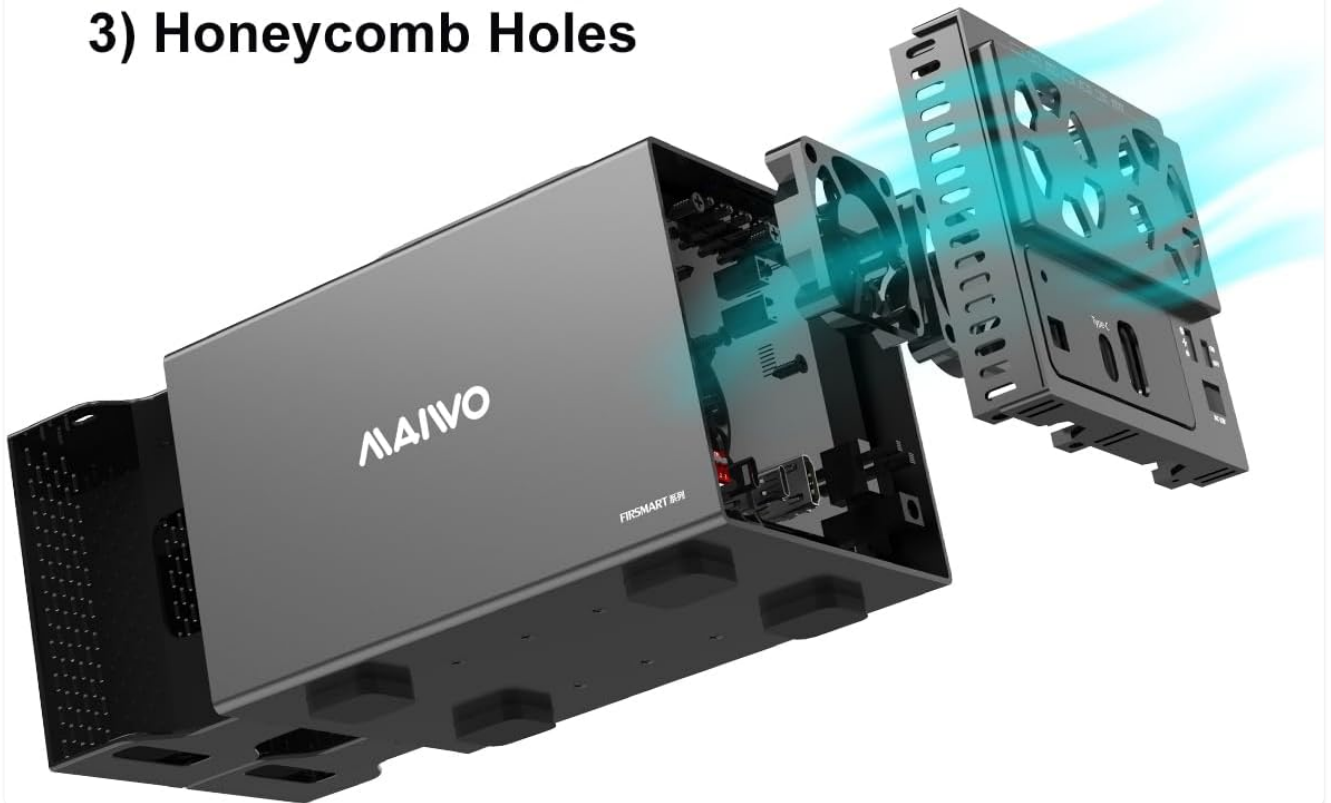


Figure 5: Excellent Cooling System

This image highlights the cooling features of the enclosure, including dual cooling fans, an aluminum alloy shell, and honeycomb holes for improved airflow.

Your browser does not support the video tag.

Video 6: 3-Stage Cooling Fan Operation (from 2:02 to 2:17)

This video demonstrates how to operate the 3-stage cooling fan on the MAIWO 4 Bay RAID Enclosure, showing the High, Low, and OFF settings.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Drives not detected by computer.	Incorrect cable connection. Drives not initialized or formatted. RAID mode not set correctly. Power issue.	Ensure USB data cable and power cable are securely connected. Follow "Initializing Disks" steps in the Operating section. Verify RAID mode settings using DIP switches and reset procedure. Check power adapter and outlet.

Problem	Possible Cause	Solution
Slow data transfer speeds.	<p>USB port compatibility (e.g., using USB 2.0 instead of USB 3.1).</p> <p>RAID mode overhead (e.g., RAID 5 writes are slower).</p> <p>Drive health issues.</p>	<p>Connect to a USB 3.1 (or higher) compatible port on your computer.</p> <p>Understand that certain RAID modes prioritize data redundancy over raw speed.</p> <p>Check individual drive health using disk utility software.</p>
Enclosure making loud noises.	<p>Fan speed set to High.</p> <p>Loose components or drives.</p>	<p>Adjust fan speed to "Low" or "OFF" if not actively cooling.</p> <p>Ensure all drives are securely screwed into their trays and the enclosure is assembled tightly.</p>
HDTV output not working.	<p>Incorrect cable or port.</p> <p>Display input not selected.</p> <p>Source device not compatible.</p>	<p>Ensure you are using the correct USB-C to HDTV cable and connecting to the designated HDTV port.</p> <p>Select the correct HDMI input on your TV/monitor.</p> <p>Verify your source device (e.g., smartphone, laptop) supports video output over USB-C.</p>

## SPECIFICATIONS

Feature	Detail
Brand	MAIWO
Model Number	4 Bay Dock RAID
Material	Aluminum
Memory Storage Capacity	96 TB (Max 24TB per bay)
Compatible Devices	MacBook Air, Desktop, Laptop, Notebook, PS5, PS4, Xbox, Smart TV, Router, etc., MacBook Pro
Hard Disk Form Factor	3.5 Inches SATA HDD
Data Transfer Rate	5 Gigabits Per Second (USB 3.1)
Hardware Interface	USB 3.1 Type C
RAID Modes Supported	RAID 0/1/3/5/10, CLONE, JBOD, NORMAL
Video Output	HDTV Port (4K Ultra HD)
Cooling System	Dual Cooling Fans with 3-stage switch (High, Low, OFF)
Product Dimensions	7.24 x 5 x 4.53 inches

Feature	Detail
Item Weight	0.704 ounces

## WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the official MAIWO website or contact their customer service directly. You can also find additional resources and FAQs on the [MAIWO Store on Amazon](#).

An official Instructions for Use (IFU) PDF document is also available for download: [Download IFU \(PDF\)](#).