

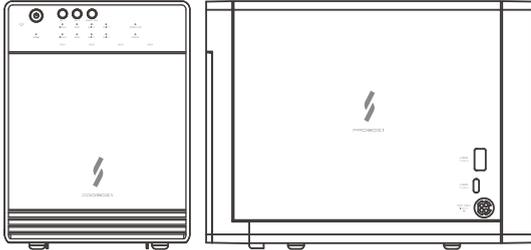


# 4x RAID with USB HUB Enclosure

2 X Single / RAID 0/1 ■ USB-C / USB-A Hub

USB 3.1 Gen-II / Type-C

For 3.5" SATA HDD



## Quick Installation Guide

Official website | Online forum  
www.mediasonicusa.com | http://forum.mediasonic.ca/

HFR7-SU31CH / Rev.01

How To Set Up Your Array | Quick Installation | RAID Mode Setup  
Raid Matrix Limit Table | Troubleshooting

## How To Set Up Your Array

4x SINGLE	1-4 HDDs
2x RAID 0 + 2x RAID 0	2-4 HDDs
2x RAID 1 + 2x RAID 1	2 HDDs only
2x RAID 1 + 2x RAID 0	3-4 identical HDDs only
2x RAID 1 + 2x Single	3-4 identical HDDs that are rated for RAID 5
2x RAID 0 + 2x Single	4 identical HDDs

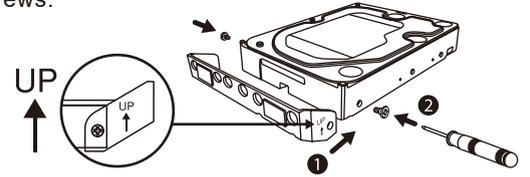
Please decide on which RAID you wish to build and prepare the right amount of hard drives for your array.

- Plug in your USB C cable and power cord.
- Connect USB C cable to a computer and power on the enclosure.
- Press and hold the "SET 1" button, located at the top right corner of the display panel, for 3 seconds until the RAID icon flashes.
- Select the RAID you wish to build by clicking on the mode button while the RAID icon is flashing.  
(Your RAID selection will be signal by the flashing RAID icons)
- Before the RAID icon stops flashing, you need to press and hold on the CONFIRMATION button at the rear end of the unit (see "SETUP").
- Press and hold the CONFIRMATION button until the enclosure shuts off.
- Power on the enclosure again and wait for 20 seconds.
- Go to disk management to initialize, partition and format your array hard drives.
- If you have more than 2TBs of hard drive volume, please select GPT when initializing the drive.
- Partition and format your RAID array.

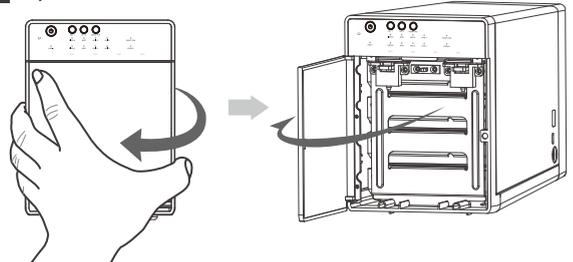
## Quick Installation

When using RAID function, HDDs with the same brand, model and capacity is strongly recommended.

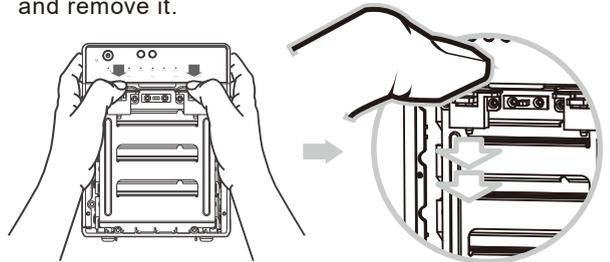
- 1 Please use the provided handles to secure the 4 HDDs with screws.



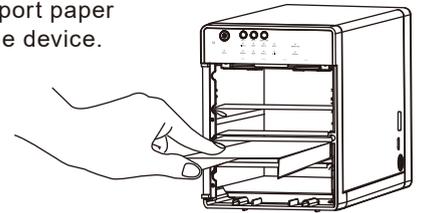
- 2 Open the cover.



- 3 Press down the 2 tabs to detach the metal frame and remove it.

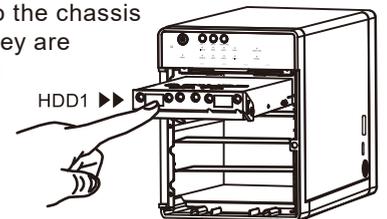


- 4 Take the transport paper board out of the device.



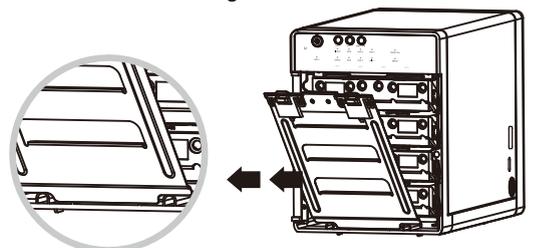
- 5 Slide 4 HDDs into the chassis and make sure they are securely installed in order from top to bottom.

3.5 HDD



Make sure the HDD is securely installed first at all times. Otherwise the PC may not recognize the device.

- 6 Reinstall the metal frame that was removed in Step 3. Please make sure the bottom of the frame stays inside the track before closing the cover.



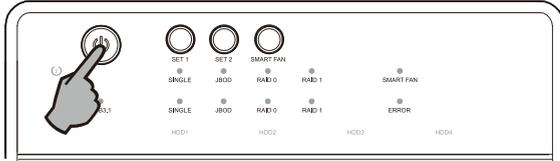
- 7 Connect the power supply to the device, plug in either USB-C cable in the rear panel and power on the device. Make sure computer is ON.

CONFIRMATION button is hidden behind the enclosure with a small cover. Find that before you start set up.

## RAID Mode Setup

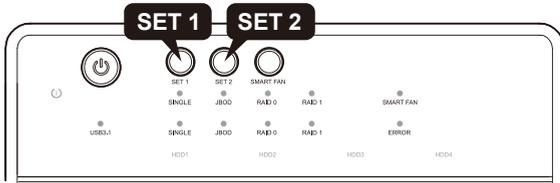
There are several mode options for HFR7-SU31CH, Single, JBOD (Spanning), RAID 0 (Striping) and RAID 1. The enclosure is not default to any of the above. So if you just put hard drives in without setting a mode to use, the enclosure will just turn off after a few seconds of turning it ON.

- 1 First install the HDD from up to down in the enclosure. Make sure the PC is on and ready to go, Power on the device.



▲ Front panel

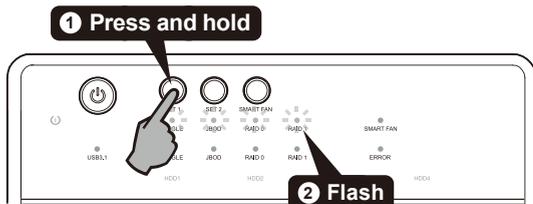
- 2 The Device is built in 2 sets of RAID, and each RAID is constructed by 2 HDDs. There are two sets of RAID mode need to be setup properly before you using this device, finds "SET 1" and "SET 2" in the front panel on this device.



▲ Front panel

- 3 The setup procedures are as follows:

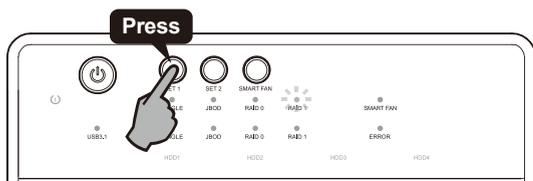
- A Press and hold the "SET 1" button until the RAID option light starts to flash then let go of "SET 1" button.



▲ Front panel

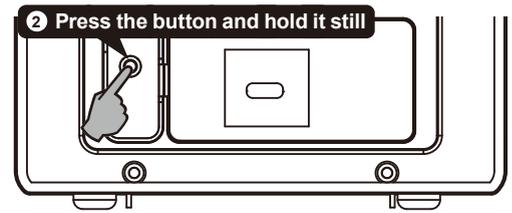
- Changing RAID mode may cause data lost, backup your data before making changes.
- Do not use hard drives containing data to create a RAID array.

- B Press "SET 1" again and again. until it lands on the RAID mode you wish to use, then press and hold the "RAID Mode Confirmation button" in the back of the device until enclosure shuts down.

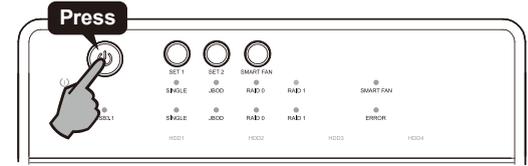


▲ Front panel

- The RAID confirmation button is hidden in the back, so please find it first before you start.



▲ Back panel



▲ Front panel

- C "SET 2" setup is the same as "SET 1"
- D Power on the device again and the RAID mode set-up is completed. Now you just need to partition and format the drives.

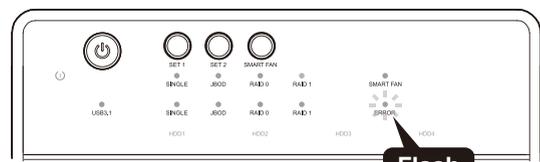
## Raid Matrix Limit Table

Raid Mode		HDD installed qty	
		HDDx1	HDDx2
SET 1 (HDD1+HDD2)	SINGLE	●	●
	JBOD (RAID 0 Spanning)	○	●
	RAID 0	○	●
SET 2 (HDD3+HDD4)	SINGLE	●	●
	JBOD (RAID 0 Spanning)	○	●
	RAID 0	○	●
	RAID 1	○	●

● : Supported ○ : N/A

## Troubleshooting

- Before replacing a bad hard drive for rebuild. Make sure you have the same model and size hard drive.



▲ Front panel

### RAID 1 HDD Error:

How to replace, hdd has failure in RAID 1 mode ?

- 1 Turn off the power.
- 2 Replace the old HDD that shows damage, Put in a new hard drive. Note: same model, the same brand and same capacity
- 3 Turn on the power again
- 4 Rebuild HDD data, the HDD led will show a purple breathing light (When rebuilding, the HDD error led shows a steady red light)
- 5 After the reconstruction, the blue light is always on and ready to use