

CENMATE



2 Bay External Hard Drive RAID Enclosure for 2.5/3.5" SATA HDD/SSD

PRODUCT INSTRUCTION

Model: 802RU



【Quality Assurance】 Cenmate provides lifetime technical support. If you have any questions about the product, please don't hesitate to contact us, reply and solve your problem within 24 hours.

**Technical Support Contact:
cenmate23@outlook.com**

Hard drives making noise during operation, it is not caused by fans.

We have tested the decibel level of noise with and without the fan---nearly no difference in decibels.

The noise is generated by the hard drive.

Qusetion

Q1: After connecting new hard drive to the computer, why can't I find the hard drive and display the disc letter?

A1: After the new hard drive is connected to the computer, it must be formatted before the system can be recognised and used.

Method of operation: First, right-click 'Computer', then click 'Management', open into the 'Disk Management', find the new hard drive, right-click 'Initialisation 'Select 'MBR (hard drive capacity less than or equal to 2TB)' or 'GPT (greater than 2TB)', then 'New Simple Volume', the default next step to format the partition. Formatting is completed after the hard drive can be used normally, showing the new disc symbols.

Q2: The hard drive appears in RAW format in Disk Management due to improper extraction or power failure. What should I do?

A2: Recovery through the chkdsk command; operation method: administrator identity run cmd input CHKDSK i: /f enter (here the i is the disc letter of the disk), scanning and repair is complete reboot can be displayed.

Q3: The hard drive is dynamically invalid in Disk Management since it was previously removed from an old computer?

A3: This is due to your system. Reinstall the hard drive into the original computer motherboard, and then backed up the data format; If your old computer has been scrapped or can't get into the system, you can download a dynamic disk conversion software to convert directly to a basic disk.

Q4: Hard drive just shows up but no disc letter?

A4: Inside Disc Management, right-click on the Disc Partition section and select Change Disc Path and Name to add a disc name for use.

Q5: It automatically disconnects during transmission

A5: It may be problems of usb interface on computer, usb cable, computer usb driver, hard drive, or hard drive cabinet. You need to contact our technicians to check the problems one by one.

CONTENT

2 Bay 3.5 Inch Hard Drive RAID Storage
USB 3.0 A/C Cable
Mounting screws and screw driver
User Manual
12V Power Supply

OS Support

Windows 2000/ Me/XP/
Vista/ 7/ 8/ 8.1/10 and
above, Mac OS 9.1/10
and Linux

CONNECTING HDD



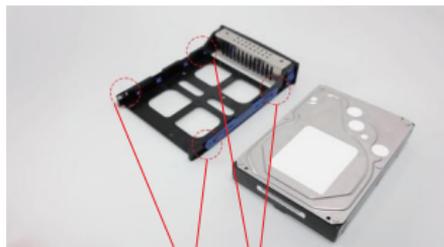
802RU



Pull out the hard drive
from the unit

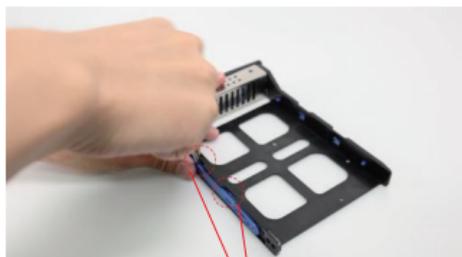


Install the hard drives
into the trays and put
it back to the unit



Pull up the blue clasp on both
sides of the bracket, put hard
disk gently.





For 2.5"SSD/HDD: Use screwdriver open the blue clasp on the side.



Connect the USB cable to the computer



Connect the USB 3.0 connector to the unit

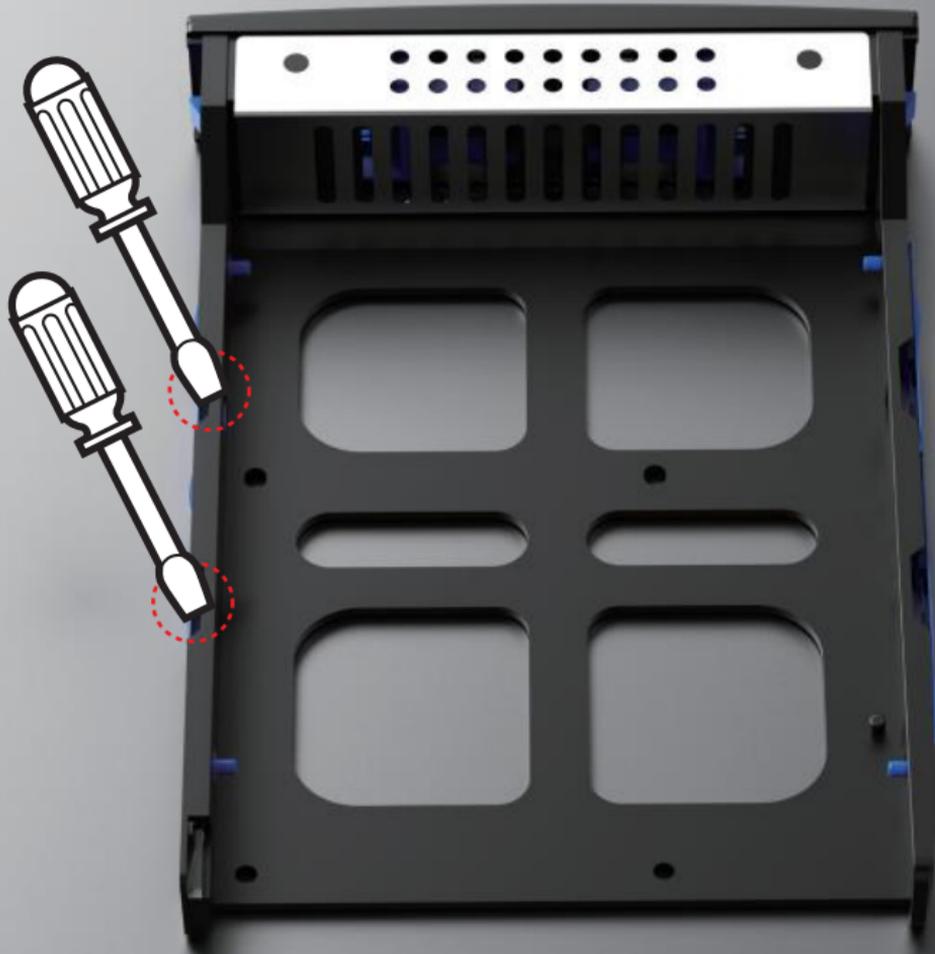


Connect the power connector from the power adapter, and plug the power adapter to the power source

Please Note:

For 2.5"SSD/HDD: Use a screwdriver to pry open the clip on the side and then secure them with screws.

When installing the 2.5SSD, you need to push forward hard before installing the screws, and push in hard on the tray after installation is complete



! NOTE:

Please follow below information on how to partition and format the drives before use

! NOTE:

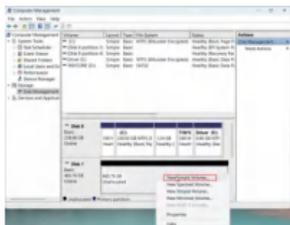
Data will be lost when you reset the unit

Partition and Format

Note: Formatting is only required for new drives

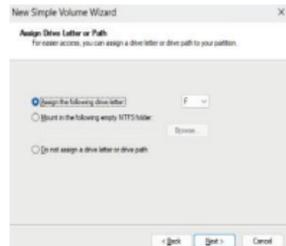


1. Right click on “My Computer” icon and select “Manage”. When this window appears, select “drive Management”
2. Right click on the disk on “New Volume” and select “Initialize drive”.
3. Select the new disk to start with the configuration.
MBR (hard drive capacity less than or equal to 2TB)
GPT (bigger than 2TB)



4. When new disk appears, right click on it and select “New Simple Volume”

5. When the wizard window appears, click on [Next].

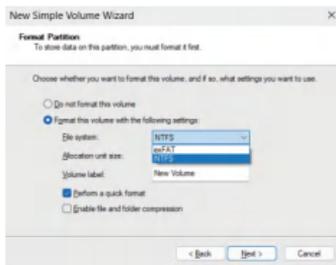


6. Select the partition size we recommend to use as maximum and click on [Next].

7. Select the drive letter to assign the hard disk and click on [Next].

8. Select the format settings : “NTFS or FAT 32”, “DEFAULT” and Volume Label and “Perform a quick format”.

9. New partition is complete and your hard disk is ready to use. Click on [Finish].



Product Specifications

RAID Level	RAID 0, RAID 1, JBOD, NORMAL
HDD Supported	Supports 2.5/3.5 inch SATA HDDs and SSDs
Cooling Fan	2 Inch Cooling Fan
Interface	USB 3.0
Max. Transfer Rate	5Gbps
OS Support	Windows 2000 or above, MAC OS 10.3 or above, and Linux
Power Adapter	12V Power Adapter
Enclosure	Extruded Aluminum Case
Package Contents	802RU, USB 3.0 Cable, Screws and Screws-Driver, Power Adapter and User Manual.
Dimension	205x130x80mm
Note	HDD is not included

USB 3.0 to SATA RAID Enclosure

- USB 3.0 to SATA Enclosure
- Support 2.5/3.5 inch Hard Drive
- USB 3.0 (MAX 5Gbps),USB 2.0 (MAX 480Mbps)
- Convenient Tool-less Design
- Supports Windows 2000 or above, MAC OS 10.3 or above, and Linux.
- Support up to 22TB on a single hard drive.

Feature



1. RAID Level : RAID 0, RAID 1, JBOD, NORMAL
2. USB 3.0 (MAX 5Gbps), USB 2.0 (MAX 480Mbps)
3. DC IN : 12V Power Supply
4. Cooling Fan : 2 Inch Fan (The fan requires a USB cable to be connected before it will wor)
5. OS Support : Windows 2000 or above, MAC OS 10.3 or above, and Linux

After resetting the RAID , press and hold the “Reset” button for 5 seconds while the power is on.

RAID Level Setting

NORMAL



* Each works as a single hard disk, and the data is transferred individually to each hard drive.

* Both Switch 1 & 2 are off (Both Switch 1 & 2 are down)

JBOD Mode



* JBOD mode (Spanning) joins both hard drive capacities to provide a large volume. No performance or redundancy in this mode

* Switch 1 is off and Switch 2 is on (Switch 1 down & Switch 2 up)

RAID 0 Mode



* RAID 0 mode (Striping) provides best performance, combining both drives for read/write to both drives.

* Switch 1 is on and Switch 2 is off (Switch 1 up & Switch 2 down).

RAID 1 Mode



* RAID 1 mode (Mirroring) will provide RAID 1 protection against HDD failure

* Switch 1 and 2 are on. (Both Switch 1 & 2 are up.)

* If you need any technical help, please contact us at cenmate23@outlook.com.

How to use

1. Pull out the tray
2. Install the hard drive
3. Connect esata or USB to the computer
4. Plug in the power supply, turn on the power switch
5. The fan rotates and the hard drive light is on indicating that it is normal and you can start using it.

Connection hard drive Steady blue Connection indicator
(When incompatible with your hard drive, the blue light will show red)
(When your hard drive is damaged, it will show a red light)



Read/write Flashing red, ever steady on

The connection light is always on blue (indicating a normal connection) Read / Write light is always red

When the blue light is always on and the red light keeps blinking, it means that RAID1 is being rebuilt, and when the red light changes from blinking all the time to always on, it means that the RAID rebuild is complete. If you have set up RAID on other brand RAID enclosure, you can't rebuild it on our RAID enclosure.

Troubleshooting self-checking steps

1. Check if the device (hard drive) connected to the product is faulty.

Connect to the SATA slot on the motherboard via a SATA hard drive to check the status.

Verify that the hard drive is partitioned and formatted properly.

2. If connected to a PC, check the status of the PC.

Check that the PC's USB 3.0 port is working properly.

For PC, please use the PC's USB port

Connect to another PC and check if the same condition occurs. Make sure your PC is not infected with virus

3. Check the material of the product (USB cable, eSATA cable, adapter) Use an extra USB cable or the USB cable (USBA-B) used for the printer. Check if the adapter is faulty (if the product has a power supply).

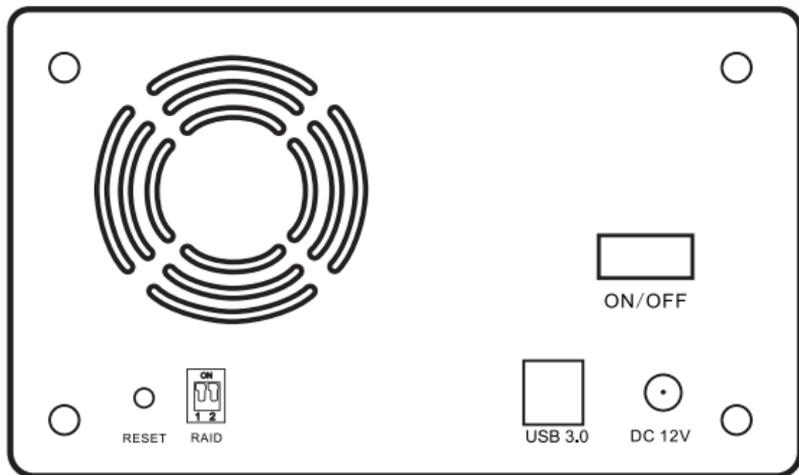
Caution

Do not connect the 802RU and hard drive (HDD) to a computer when they are not fully assembled. There is a risk of damage and electric shock to the HDD.

This device supports SATA(I/II/III) HDDs! This device is also very sensitive to small shocks, so be aware of shocks.

Pay attention to the orientation and position of the hard drive during assembly. Incorrect orientation and position can cause damage to the device.

Since the device may be damaged due to product defects, etc., please use a hard-drive(HDD) that does not have important records when checking whether the product is working properly for the first time.

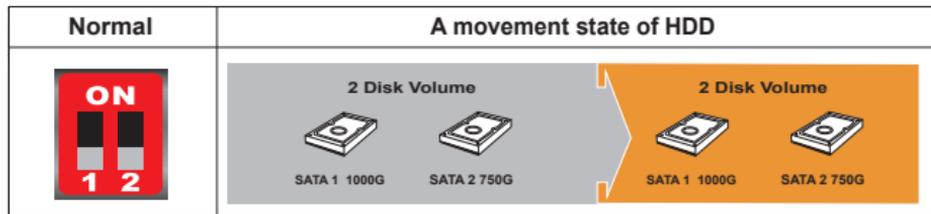


Power on/off: Power is supplied through the connected adapter, which can be turned on or off with the on/off switch.
USB3.0 Port: Connects to a USB3.0 port to read and write data at speeds up to 5Gbps (same as USB2.0 when connected to a PC's USB2.0 port).

RAID Switch: Allows you to set RAID0, 1, Normal, and other functions.

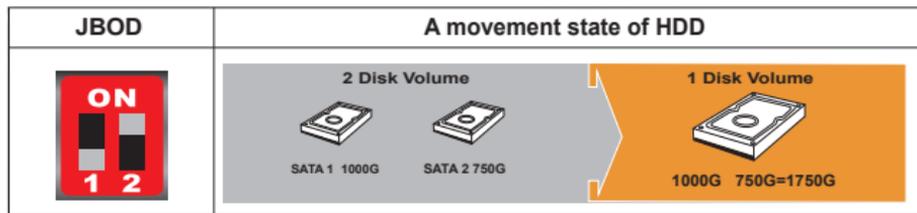
Reset: Mainly used to change the usage mode, such as RAID MODE, if you change the RAID MODE while the product is powered on and press and hold the reset button for about 10 seconds, the USB will be re-recognized and changed to the corresponding RAID MODE.

1) Normal



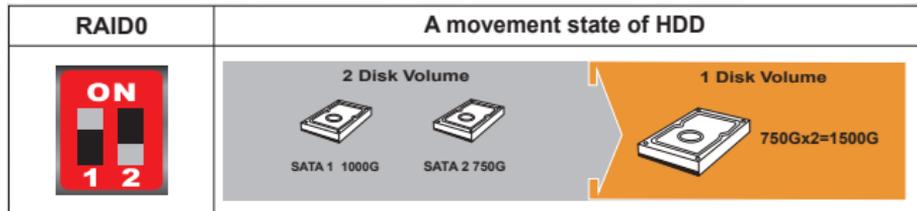
The operating system recognizes each as a single disk and uses the hard disks independently.

2) JBOD



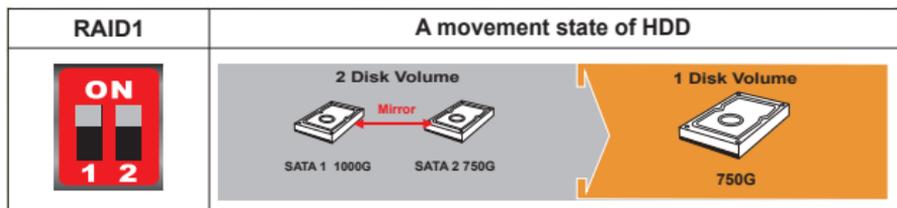
Multiple hard disks are logically combined to form a single disk, but do not offer any advantages over using each hard disk independently.

3) RAID 0



It consists of two or more hard disks that are striped and used as a single volume with a combined capacity. And when recording data continuously, each hard disk alternately records or reads different data at the same time, resulting in very fast transmission speeds. However, if even one hard disk fails, the rest of the data stored on the other hard disks will also be lost, so data reliability is low. Utilization of RAID 0 mode: It is suitable for temporary storage data such as real-time rendering data or logs that require high performance.

4) RAID 1



Mirroring is a method of using two hard disks, each of which stores the same data, so even if one hard disk is damaged, the data can be recovered because there is another hard disk with the same data.

After the RAID, the hard drive is quite initially bought back, need to be initialized, after formatting, the partition can be used normally.

RAID Setup Software

Please download 2 Bay RAID Manager
for WINDOWS OS

Need more support, feel free to contact:
cenmate23@outlook.com

Only for Windows



[https://www.cenmate.com/index.php
?m=home&c=Lists&a=ndex&tid=4](https://www.cenmate.com/index.php?m=home&c=Lists&a=ndex&tid=4)

Hi

We are committed to providing consumers with superior products and services.

Please contact us if you have any other questions.

We really need your help if you are satisfied with our services!!!

Could you share your feelings about this product with others on Amazon!?

This will help them with their purchases.

Thank you

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