ToughArmor RAID

2 x 2.5" SATA HDD/SSD RAID 1 Backplane Cage for 5.25" Bay

ICY DOCK

MB902SPR-B

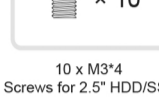**1** Package Contents ● Packungsinhalt ● Contenu ● Contenido del paquete ● 包装について ● 包装说明 ● 包装说明
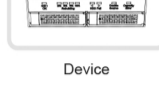
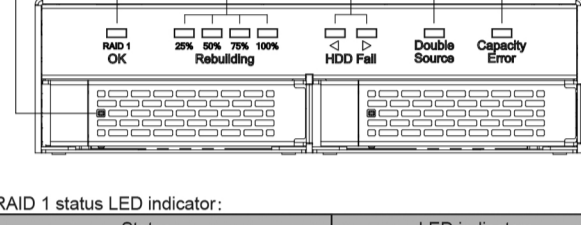| Device	User manual	10 x M3*4 Screws for 2.5" HDD/SSD	6 x M3*2.5 Screws for Device
		× 10	× 6

Note: Please use the included screws to secure the drive(s).

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2 Device Information ● Geräteinformationen ● Informations dispositif ● Información del dispositivo ● 本体說明 ● 機體說明 ● 机体说明

▼ **Front View**

① RAID 1 status LED indicator:

Status	LED indicators
RAID 1 configuration is normal	Solid green
Degraded RAID 1 (Rebuilding, HDD fail, RAID 1 error)	LED off

② Rebuilding progress LED indicator :

Status	LED indicators
Divide the progress into four stages: 25%, 50%, 75% , 100%.	Flashing green

③ HDD fail LED indicator :

Status	LED indicators
HDD fail	Solid red in corresponded device slot
Double Source	Solid red in both device slots
Capacity error	Solid red in the device slot which has smaller capacity drive.

④ Double source LED indicator :

Status	LED indicators
Double source	Solid red

There are two source disks in the device. Replace one with a formatted/brand new drive.

⑤ Capacity error LED indicator :

Status	LED indicators
Capacity error	Solid red

The capacity of the hard disk you insert is smaller than the source disk in the device and causes rebuild fail. Please use a hard disk that has the same or larger capacity than the source disk.

⑥ Hard Drive Activity LED Indicator

| Status	LED indicators
Empty bay / Drive power	LED off / Solid green
Drive access / Drive fail	Flashing green / Solid red
Double source	Solid red in both device slots
Capacity error	Solid red in the device slot which has smaller capacity drive
RAID 1 rebuilding	Source disk : Solid green Target disk: Flashing green

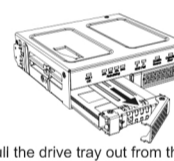▼ **Rear View**

7 Pin SATA

15 Pin SATA Power

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3 Installation Guide ● Installationsanleitung ● Guide d'installation ● Guía de instalación ● 製品の組み込み手順について ● 操作步驟 ● 操作步骤
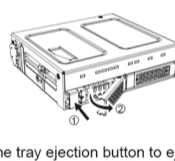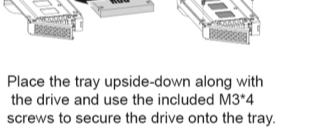
3-1
Push the tray ejection button to eject the drive tray.
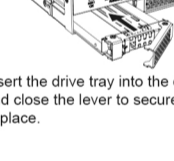
3-2
Pull the drive tray out from the device.

3-3
Place the tray upside-down along with the drive and use the included M3*4 screws to secure the drive onto the tray.

3-4
Insert the drive tray into the device and close the lever to secure the tray in place.

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4 Important Info ● Wichtige Informationen ● Informations importantes ● Información importante ● 重要な情報 ● 重要注意事項 ● 重要注意事项

1. While creating a RAID array, the chipset will automatically erase any data previously stored in the drives. Please be sure to backup any data before setting up RAID 1 to prevent data loss.

2. It is recommended to use identical brand new hard drives for any RAID array, if you are using hard drives that have been used in a RAID before, you must first erase the previous data and restore the hard drive to factory settings in order to prevent any RAID failure. If you replace hard drives that has been used for RAID before, It may not function properly due to existing RAID table on the hard drive.

3. You cannot use the RAID array created by this device with different RAID cage. The IC chipset and firmware must be the same; otherwise it may cause data loss. If the product malfunctions, please contact our customer support.

4. Due to different drive specifications for the drive access signal, some drives may not support the access LED. If the LED does not function properly, but you can read and write to the drive means the drive does not support drive access signal or use different specifications.

5. It is recommend to use ERC (Error Recovery Control) supported hard drives for the best RAID performance.

6. While setting up RAID 1, If one of the hard drives malfunctions, check the error indicator light in the front to see which drive has failed. Simply remove the malfunctioning hard drive from the enclosure and then insert a new identical hard drive while the enclosure is powered. Close the front panel along with the new drive and the error indicator light will disappear in a few seconds. After replacing a new drive, the rebuilding process will start promptly. The new drive will become the new target drive, while the remaining working hard drive will become the source drive.

7. It is normal that the enclosure performs the data rebuilding verification after swapping one of the hard drives when using RAID 1. The rebuilding verification process time may vary depending on the hard drive's specifications. It usually takes about ten minutes to verify/rebuilda 100GB capacity.

8. DO NOT REPLACE BOTH DRIVES as it, as both drives will cause the enclosure to rewrite the RAID table to the drives and corrupt the data saved in the original RAID array. Please note this action is not reversible, and all your data will be lost.

9. RAID 1 is not suggested for hard drive duplication. Please do not switch the drive order. It is recommended to use the identical hard drive to ensure stability and performance. Removing or changing any hard drive in RAID 1 while in operation may result in data loss.

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5 RAID Monitoring Software ● RAID-Überwachungssoftware ● Logiciel de surveillance RAID ● Software de seguimiento del RAID ● RAID 管理ソフトウェア ● RAID監控軟體 ● RAID监控软件

The RAID monitoring software supports both Windows and Mac OS. Please visit http://icydock.com and download the software from the product page, located at

Support & Download section:

a. Please ensure the software is installed in the computer and powered , and then double click 🔲 to launch the monitoring software.

b. The RAID status will display on the main page of the software.

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www.icydock.com