

TOOL FREE SCREW-LESS [ HDD-ROM ] 4x3.5" Mobile Rack



MRA504 MANUAL

Supports all 3.5" SATA hard drives Supports SATA I/II/III(6.0Gb/s) NSS connector gives over 50,000 cycle hot swaps

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MRA504 4 Bay SATA Mobile Rack

Product Feature:

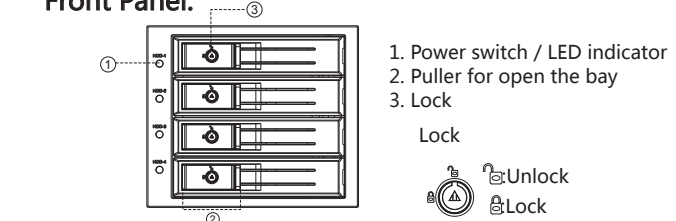
- It fits 4x3.5" SATA & SAS Hard drive; and takes 3 empty 5.25" bay slot. Tool-free and tray-less design; it applies patent NSS connector for 50,000 hot-swap cycle guarantee. 8x8cm fan to enhance heat dissipation. With lock design. Independent power control switch and LED indicator. Intelligent temperature control design, special firmware to control the fan. Dual alarm system: buzzer and light indicator; 100% watch over the working status and secure the data safety. SAS hard drive compatible, support only one SAS Primary data Port.

Specification:

Interface:SATA&SAS Transmission speed:SATA I/II/III(6.0Gb/s) Product weight:1.806g Support system:Windows Vista/XP/2000/98SE/ME; Win7/Mac9.3 higher Product size:(L)189.3x(W)127.5x(H)146mm Operation temperature:0°C ~ 55°C

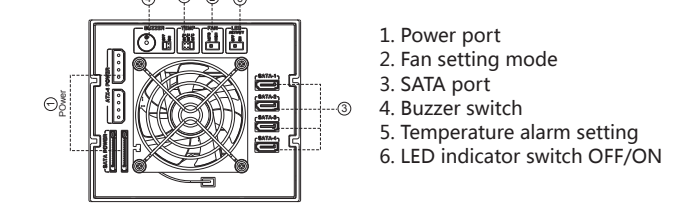
[01]

MRA504 4 Bay SATA Mobile Rack Front Panel:



- 1. Power switch / LED indicator 2. Puller for open the bay 3. Lock

Rear Panel:



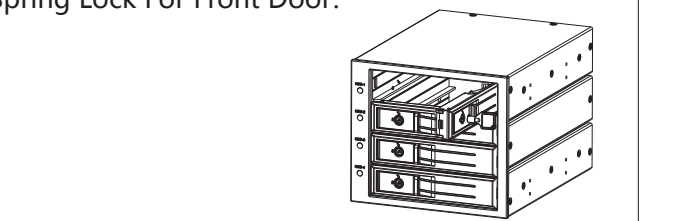
- 1. Power port 2. Fan setting mode 3. SATA port 4. Buzzer switch 5. Temperature alarm setting 6. LED indicator switch OFF/ON

Packing Content:

Table with 2 columns: Item, Quantity. Includes MRA504 (1pcs), Screw (8pcs), Manual (1pcs), Key (2pcs), SATA Data Cable (4pcs)

[02]

MRA504 4 Bay SATA Mobile Rack Spring Lock For Front Door:



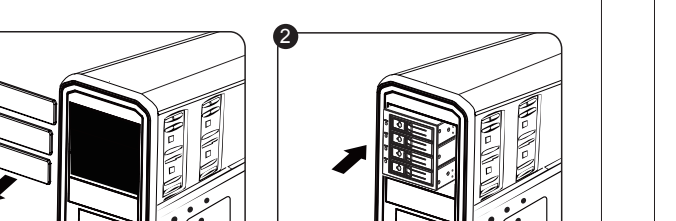
Turn the key clockwise to open the door.

Connection:

- 1. Connect at two computer power cables (Molox 4P or SATA 15P) to the power port. 2. Connect the SATA data cable (7P) from the SATA data connector to the motherboard SATA port (7P).

[03]

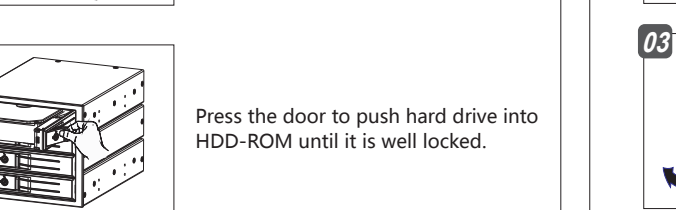
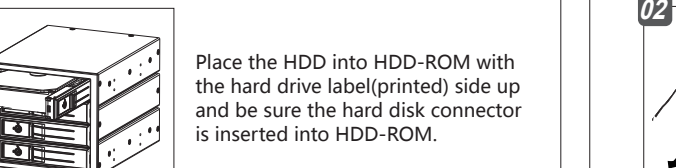
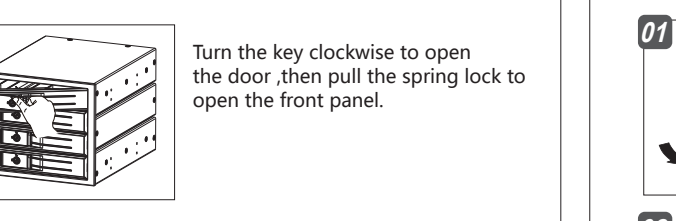
MRA504 Manual Installation Steps:



- 1. Remove 3 covers of 5.25 slot. 2. Carefully align the device with the screw hole of the rackmount. 3. Screw the device with 8 screws.

[04]

MRA504 Manual Inserting Hard Drive

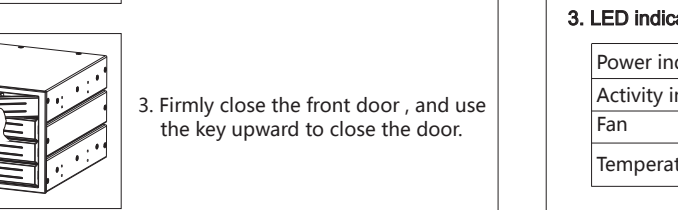
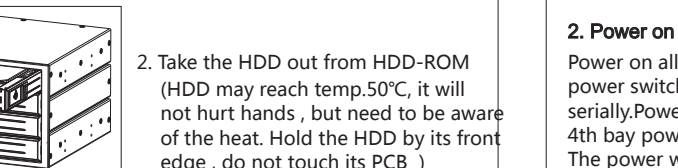
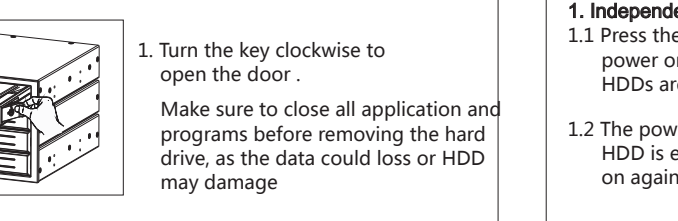


- Turn the key clockwise to open the door, then pull the spring lock to open the front panel. Place the HDD into HDD-ROM with the hard drive label(printed) side up and be sure the hard disk connector is inserted into HDD-ROM. Press the door to push hard drive into HDD-ROM until it is well locked.

Attention: 1. While HDD is busy , please do not eject the HDD. 2. HDD is a precise and specific device , and need to be handled with care. Please read the HDD manual before usage.

[05]

MRA504 Manual Removing Hard Drive



- 1. Turn the key clockwise to open the door. Make sure to close all application and programs before removing the hard drive, as the data could loss or HDD may damage. 2. Take the HDD out from HDD-ROM (HDD may reach temp.50°C, it will not hurt hands , but need to be aware of the heat. Hold the HDD by its front edge , do not touch its PCB ) 3. Firmly close the front door , and use the key upward to close the door.

Attention: 1. Please do not put anything into the HDD-ROM 2. Always close the front door to avoid the outer force damage or dusts

[06]

MRA504 Manual How to use

1. Independent power switch 1.1 Press the power switch button for 3 seconds to power on or off the bays, it only works under the HDDs are in the device.

1.2 The power will be off automatically when the HDD is ejected.The power needs to be power on again when the HDD is inserted back.

2. Power on / off for all bays

Power on all four bays by press 1st or 2nd bay power switch for 3 times. The power will be on serially.Power off all four bays by press 3rd or 4th bay power switch for 3 times. The power will be off at once.

3. LED Indicator

Table with 2 columns: Indicator, Description. Includes Power indicator (Blue LED on steady), Activity indicator (Blue LED blinking), Fan (Orange LED blinking when fan is failed), Temperature (Red LED blinking when temperature is above setting, Alternating red and blue flashing)

4. Fan malfunction alarm

When the fan is malfunction, the buzzer is on, orange LED is blinking, Press any button to stop the buzzer, Orange LED will be off until the function is back to normal.

[07]

MRA504 Manual 5. Temperature Alarm

When the temperature of the device is above the setting. The buzzer is on, Red LED is blinking. Press any button to stop the buzzer. Red LED will be off until the function is back to normal.

6. Memorize function

Once the device is re-started, the HDD status will return automatically

7. HDD activity indicator switch

OFF = Power off the activity indicator ON = Power on the activity indicator

8. Fan speed switch

AUTO = When the internal temperature reaches 30 °C, the fan starts running. Fan speed will be adjusted automatically by the temperature change, fan spins at the highest speed when the temperature reaches 40 °C. HI = Fan spins at the highest speed when the temperature reaches 30 °C

9. Buzzer switch

OFF = Power off the buzzer sound ON = Power on the buzzer sound

10. Temperature alarm setting

55, 60, and 65 °C, three temperature level alarm setting

[08]

MRA504 Manual Cautions:

- 1. Do not force to close the front door to avoid damaging the rack if inserting the HDD in wrong direction. 2. Please install related software of hot swap and HDD management before hot swap HDD. 3. If the OS HDD inside of MRA505, please power off before removing the disk.

[09]

MRA504 4 Bay SATA Mobile Rack

產品特色:

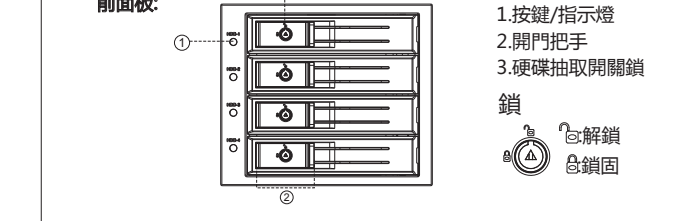
- 3個5.25吋空間可容納4顆3.5吋大硬碟; 免工具更換硬碟設計,內置獨家NSS專利連接器; 1顆8公分風扇強制對流散熱; 全鋁機身外殼,高剛 堅固 美觀; 硬碟專門開啟位置帶鎖設計,防止硬碟被誤開啟; 前置獨立電源控制按鍵及增減顯示; 智能化溫控設計,透過軟體控制風扇轉速來驅動散熱; 指示燈與蜂鳴器雙重報警裝置,監視硬碟工作溫度狀態,保障資料安全; 斷電記憶功能,產品重新上電後,自動重啟恢復原狀態; 相容SAS硬碟(僅支持一個SAS數據端口)

產品規格:

傳輸介面:SATA&SAS 傳輸速度:SATA I/II/III(6.0Gb/s) 重量:1.806g 支援系統:Windows Vista/XP/2000/98SE/ME; Win7/Mac9.3 higher 外觀尺寸:(L)190x(W)148x(H)127mm 運作溫度:0°C ~ 55°C

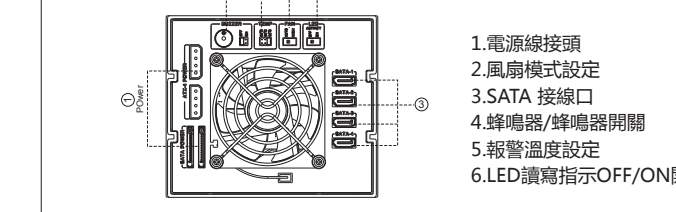
[10]

MRA504 4 Bay SATA Mobile Rack 前面板:



- 1. 按鈕/指示燈 2. 開門把手 3. 硬碟抽取閉鎖鎖

後面板:



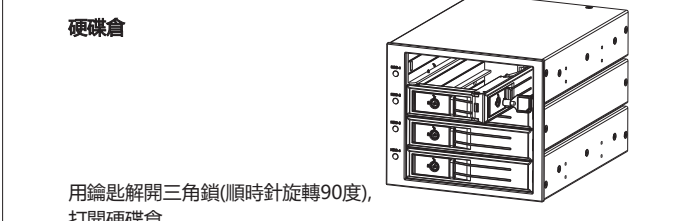
- 1. 電源線接頭 2. 風扇模式設定 3. SATA 接線口 4. 蜂鳴器/蜂鳴器開關 5. 報警溫度設定 6. LED 讀寫指示OFF/ON開關

配件包:

Table with 2 columns: Item, Quantity. Includes MRA504 硬碟抽取盒 (1pcs), 螺絲 (8pcs), 使用說明書 (1pcs), 鑰匙 (2pcs), SATA線材 (4pcs)

[11]

MRA504 硬碟盒



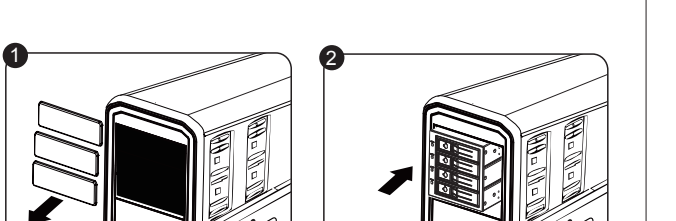
用鑰匙解開三角鎖(順時針旋轉90度), 打開硬碟盒。

連接:

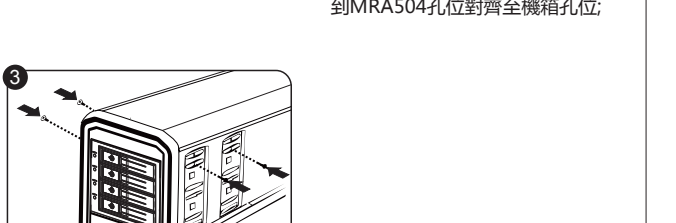
- 1. 將大ATX-4P電源線或SATA 15P電源線插入如右圖所示位置(至少需要插兩條) 2. 連接SATA數據線從本產品到主板的SATA介面

[12]

MRA504 說明書 安裝步驟:



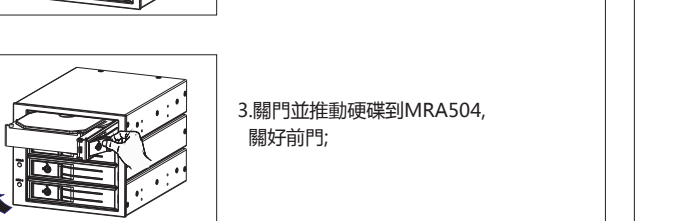
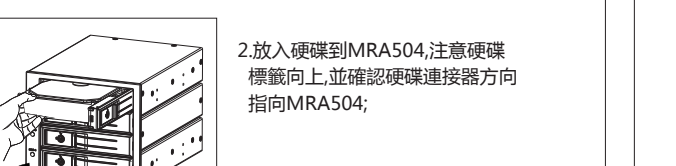
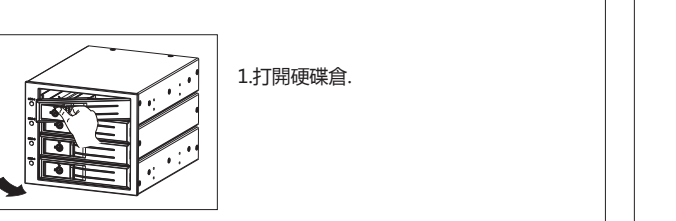
- 1. 取出電腦機箱中3個5.25槽板 2. 小心插入MRA504並推入至前面板到MRA504孔位對齊至機箱孔位;



- 3. 每邊使用4顆螺絲,固定MRA504 8個螺絲孔;

[13]

MRA504 說明書 放置硬碟到MRA504:

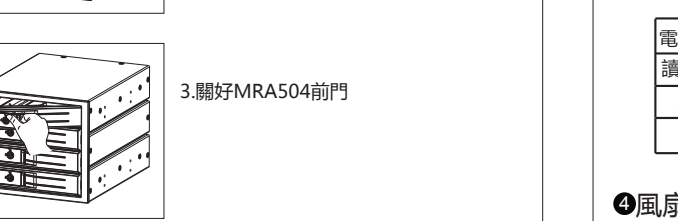
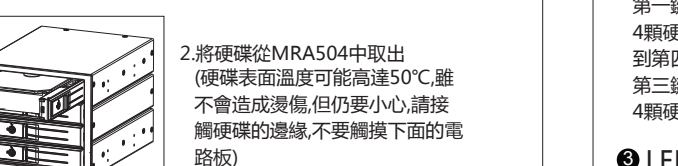
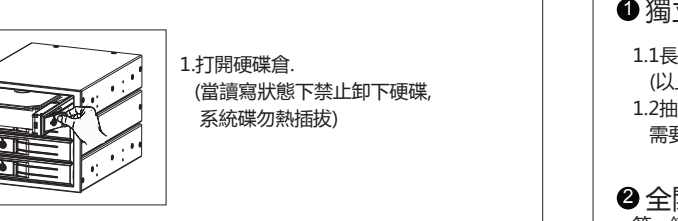


- 1. 打開硬碟盒。 (當讀寫狀態下禁止卸硬碟, 系統請勿熱插拔) 2. 放入硬碟到MRA504,注意硬碟標籤向上,並確認硬碟連接器方向指向MRA504; 3. 關門並推動硬碟到MRA504, 關好前門。

注意: 1. 切勿對操作系統所在硬碟進行熱插拔; 2. 硬碟是精密設備,使用時請特別注意,請預先閱讀硬碟使用說明書;

[14]

MRA504 說明書 退出硬碟步驟:



- 1. 打開硬碟盒。 (當讀寫狀態下禁止卸硬碟, 系統請勿熱插拔) 2. 將硬碟從MRA504中取出 (硬碟表面溫度可能高達50°C, 雖不會造成燙傷,但仍要小心,請接觸硬碟的邊緣,不要觸摸下面的電路板) 3. 關好MRA504前門

注意: 1. 請勿在MRA504內部放置其他物品; 2. 不使用時應將門鎖好,避免意外的撞擊及灰塵進入內部;

[15]

MRA504 說明書 功能使用說明

1. 獨立電源開關

- 1.1 長按按鍵3S,開或關掉對應硬碟電源 (以上動作必須指槽內有硬碟,否則按鍵無作用) 1.2 指出硬碟時會自動斷電,重新插入硬碟時,需要再通過按鍵來開啟電源

2. 全開全關功能

- 第一鍵或第二鍵於一秒內連續按三次, 4顆硬碟電源全部打開,從第一顆硬碟到第四顆硬碟,序列啟動 第三鍵或第四鍵於一秒內連續按三次, 4顆硬碟電源一次全部關閉。

3. LED指示燈

Table with 2 columns: Indicator, Description. Includes Power indicator (通電後藍色指示燈長亮), Read/Write indicator (藍色指示燈閃爍), Fan (風扇故障報警時,橙色故障指示燈閃爍,藍燈交替閃爍), Temperature (溫度超過設定上限時,紅色報警指示燈閃爍,藍紅交替閃爍)

4. 風扇故障報警

風扇故障時,蜂鳴器報警,橙色LED閃爍,任意按鍵一下取消蜂鳴器報警,但橙色燈維持閃爍,直到故障排除

[16]

MRA504 說明書 6. 溫度超限報警

溫度超上限時,蜂鳴器報警,紅色LED閃爍,任意按鍵一下取消蜂鳴器報警,但紅色燈維持閃爍,直到故障排除

7. 斷電記憶功能

產品電源斷電後重新通電,產品自動重啟保持硬碟斷電前狀態

8. HD讀寫燈指示開關

ON-讀寫指示燈無指示 OFF-讀寫指示燈有指示

9. 風扇調速開關

Auto=產品內部溫度達到30度時,風扇開始運轉,風扇轉速隨溫度變化自動調速,溫度上升到40度時風扇全速運轉 HI=溫度達到30度時,風扇開始全速運轉

10. 蜂鳴器報警開關

OFF-蜂鳴器報警音關閉 ON-蜂鳴器報警音開啟

11. 報警溫度設定

55.60.65度三段設定報警溫度上限

[17]

MRA504 說明書 注意事項:

- 1. 如果硬碟插入方向錯誤,請不要強行關門,如強行關門MRA504會被損壞; 2. 在使用MRA504熱插拔硬碟前,先安裝SATA介面熱插拔相關驅動程式及硬碟管理軟體; 3. 如果操作系統所在硬碟是裝在MRA504之內,只有在關閉電源的情況下才能抽換硬碟;

[18]