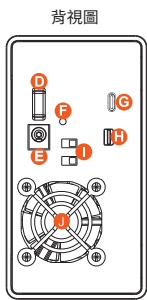
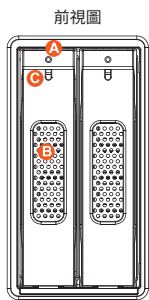


ST2-B31+ 快速安裝導引

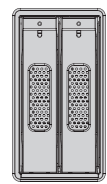
產品示意圖與配件表



- A 硬碟讀取燈
- B 硬碟抽取盒把手
- C 硬碟抽取盒頂針孔
- D 電源開關
- E 電源插座
- F RESET 鈕
- G USB 3.1 Gen2 Type-C (10Gbps)
- H Mini Display埠 (DP1.1a)
- I RAID 切換鈕
- J 風扇

打開包裝外盒後，包裝內容應包含下列組件：

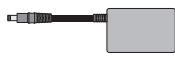
產品配件表



ST2-B31+ 主體 x1



USB 3.1 連接線 x1



電源轉接器 x1



電源線 x1



快速安裝導引 x1



螺絲及鑰匙

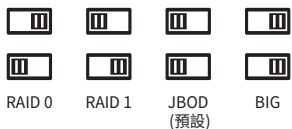
- 請先確認相關配件與產品本身是否有受損或是缺少配件，若有任何疑問，請與您的經銷商或業務人員聯絡。
- 請前往官網-產品資料下載頁面 (<http://www.stardom.com.tw/STARDOM2016/download.php>) 下載驅動程式以及其餘相關資源。



v0.2 (Aug. 2019)

1

RAID 模式切換設定



RAID 0：一個大的獨立資料儲存容量，並可加速資料存取但無資料保護功能。

RAID 1：兩顆硬碟是鏡射關係因此擁有相同的資料，因此有一顆硬碟損毀後可以正常運作。當放入新硬碟取代損毀硬碟後，系統會自動將資料重建到新的硬碟。

JBOD：可對兩顆獨立硬碟進行管理的工作，能大幅增加硬碟管理上的便利性，但無資料保護功能。

BIG：兩顆硬碟的容量會被加總成一個大儲存容量，但無資料保護功能。

步驟1：請在 ST2-B31+ 連線到電腦後，一併打開電腦和 ST2-B31+ 的電源開關。

步驟2：請在藍燈恆亮時，將在 ST2-B31+ 背板上設定 RAID 設定的「切換開關」調到你所要的設定位置。

步驟3：請使用頂針插入「重置鍵」，待前面板抽取盒上的閃爍藍燈結束，並轉成恆亮藍燈後鬆開頂針。

步驟4：請您再做一次關、開 ST2-B31+ 電源的动作後，您已經改變、並重新設定了 ST2-B31+ 的 RAID。

其他應用

支援 Mini Display 埠

- ST2-B31+ 提供一個 Mini Display 埠支援 DP1.1a，最高可支援 4K@30Hz 畫質，相容於具有 Mini Display 埠的螢幕及連接線。
- 透過第三方 Mini Display 埠轉接器或轉接線，可以連接具備 Display 埠的螢幕。
- 透過第三方主動式 Mini Display 埠轉接器或轉接線，可以連接具備 VGA、DVI 或 HDMI 的螢幕。

支援 USB Power Delivery (USB-PD)

- USB Power Delivery (簡稱 USB-PD)，為 USB 開發者論壇 (USB-IF) 推出快速充電技術與統一連接線標準。ST2-B31+ 支援 USB-PD，若採用 USB Type-C 到 USB Type-C 介面，可提供 5V/3A (15W)，9V/2A (18W)，12V/2A (24W) 電力給主機端。
- 若所連接之主機端為支援 USB-PD (5V/9V/12V) 充電的筆記型電腦，在 ST2-B31+ 開機的狀態下，將筆電開機或重新開機後，USB-PD 仍會維持充電功能。
- 如電腦無法讀取到 ST2-B31+，請重新連接 Type-C 連接線，或是將 ST2-B31+ 關機再啟動，方可正常連接使用。



★ 筆記型電腦需要支援 5V/9V/12V 充電。

3

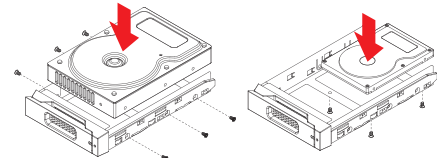
燈號說明

狀態	硬碟狀態燈		
	RAID 0, BIG,	RAID 1	JBOD
硬碟閒置	藍燈恆亮	藍燈恆亮	藍燈恆亮
無硬碟	紅燈恆亮	紅燈恆亮	紅燈恆亮
資料存取	藍燈閃爍	藍燈閃爍	藍燈閃爍
資料重建 - 來源碟	N/A	呼吸燈 (藍燈)	N/A
資料重建 - 目標碟	N/A	呼吸燈 (紫燈)	N/A

硬體安裝

請參照下列步驟，完成 ST2-B31+ 的硬體安裝：

- 請使用配件中所附的頂針插入硬碟抽取盒頂針孔，開啟硬碟抽取盒把手方便將抽取盒取出。
- 安裝 3.5 吋硬碟，請使用 6 顆零件包內附的大顆螺絲加以固定；安裝 2.5 吋硬碟，請使用 4 顆零件包內附的小顆螺絲加以固定。



注意：不建議使用不同廠牌，或是同廠牌不同型號的硬碟，避免影響效能。

- 硬碟安裝完成後，請將抽取盒平放入主機內，並關上把手。
- 透過機體背面的 RAID 切換鈕，設定所要使用的 RAID 模式。
- 將相關連接線接上，最後接上電源轉接器。
- 硬體安裝完成。開啟電源後請透過作業系統進行後續格式化設定。請依照電腦作業系統指示進行硬碟格式化，完成硬碟格式化後，便可以進行資料的讀寫。

2

產品使用注意事項

- 硬碟格式化後，由電腦主機作業系統所辨識 ST2-B31+ 的實際總容量會與硬碟廠所標示的容量加總後，將有所差異。
- 當系統運作時，請勿任意移除，以免導致資料遺失。
- 為了確保節能功能的正常運作，請將 USB 連接線常態性與電腦端保持連接。
- 完成系統初始化安裝後，在使用上請勿任意變更硬碟位置；此動作將可能導致系統無法形成 RAID。
- RAID 模式一旦設定完成，若要進行切換，因切換過程中將會清除硬碟中的資料，請務必先將硬碟中的資料另行備份後再行切換。
- 在新增或變更 RAID 模式後需重新啟動產品，以確保完成更新為新的 RAID 模式。
- 當支援 USB PD 功能的 Notebook 僅連接 ST2-B31+ 時，ST2-B31+ 可以提供最多 24W (12V/2A) 的電源供應，但後續再接上原本 Notebook 的電源供應器時，主要供電來源將由 Notebook 自行判斷，以供應較大瓦數的電源為主，此時的 ST2-B31+ 有可能會因此中斷供電並重新被 Notebook 辨識，因此當要接上其它電源時，請務必先確認當下 ST2-B31+ 並沒有資料存取的動作。
- ST2-B31+ 的 PD 功能，最多僅能提供 24W，主要在延長 Notebook 的使用時間，與原本 Notebook 電源供應器的瓦數有落差，以 MacBook Pro 13" 為例，電源供應器為 60W，假設使用原本的電源供應器充電需要 2 小時，透過 ST2-B31+ 大約會需要 3 倍的時間。因此如果需要長時間使用 Notebook，建議先接上 Notebook 原本的電源供應器後再接上 ST2-B31+。
- 當您需要關閉或移除 ST2-B31+ 時，務必透過您所操作的作業系統中執行硬碟安全移除後，方進行電源關閉的動作。
- 強烈建議除了使用 ST2-B31+ 的資料儲存功能外，請針對重要資料備份到另一個儲存裝置上或遠端備份，雙重備份您重要的資料。若您儲存在 ST2-B31+ 的資料損毀或遺失，STARDOM 將不負任何的責任。
- 本產品支援外接硬碟安裝 Windows 與 Mac 作業系統，詳細說明請見該產品相關使用者手冊。

感謝您使用 銳鉸科技股份有限公司 的產品。

本手冊裡的資訊在出版前雖然已經被詳細確認，但實際產品規格將已出貨時為準；任何的產品規格或相關資訊更新，請您直接上 www.STARDOM.com.tw 網站查詢，或直接與您的業務聯絡窗口聯繫，本公司將不另行通知。

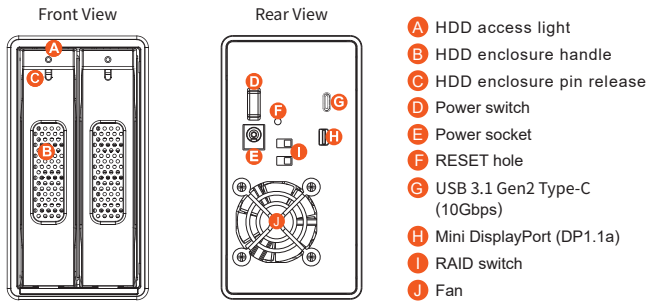
如果您對 銳鉸科技 的產品有任何疑問，或是想獲得最新產品訊息、使用手冊或軟體，請您聯絡 services@stardom.com.tw，我們將儘速回覆您。

STARDOM 為 銳鉸科技股份有限公司 旗下品牌之一
本說明相關產品內容歸 銳鉸科技股份有限公司 版權所有

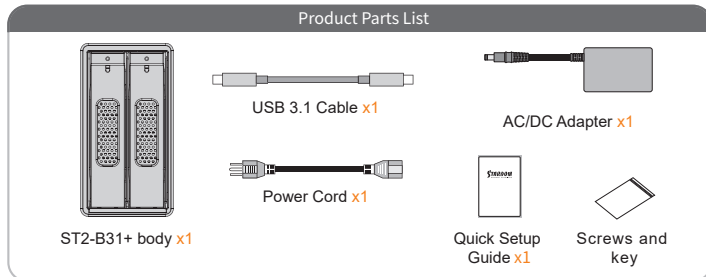
4

ST2-B31+ Quick Setup Guide

Product Illustration and Parts List



The following items should be inside the package upon opening:



- Please check the product and accessories for any defect or missing parts. If you have any questions, please contact your product supplier.
- Please visit the official website - Download page (<http://www.stardom.com.tw/STARDOM2016/download.php>) to download drivers and other related resources.



v0.2 (Aug. 2019)

1

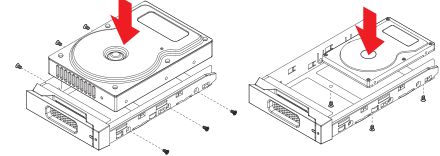
The Indication of HDD Status

Status	HDD Status Light		
	RAID 0, BIG	RAID 1	JBOD
HDD idle	Blue light always on	Blue light always on	Blue light always on
No HDD detected	Red light always on	Red light always on	Red light always on
Data access	Blue light flashing	Blue light flashing	Blue light flashing
Rebuilding data - Source HDD	N/A	Breathing Blue Light	N/A
Rebuilding data - Target HDD	N/A	Breathing Purple Light	N/A

Hardware Installation

Please follow the steps below to complete the ST2-B31+ hardware setup process:

- Use the ejector pin included in the accessory kit and inserted into the pin release opening to eject the removable drive tray latch and extract the removable drive tray.
- For 3.5" HDD/SSD, please secure it by use six the larger screws included in the accessory kit. For 2.5" HDD/SSD, please secure it by use four the smaller screws included in the accessory kit.

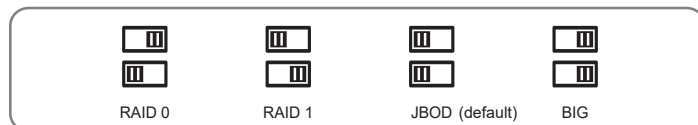


Note: Please avoid using hard disk drives from different manufacturers or different models from the same manufacturer as this may impact system performance.

- When the HDD/SSD installation has been completed, insert the tray into the system horizontally and secure the latch into place.
- Please set RAID mode at the back-plate of ST2-B31+ unit for RAID 1, RAID 0, JBOD, and BIG.
- Please connect the signal cable first, and then power cord later.
- After completing hardware installation, turn on the power and follow the instruction of Disk Utility to format the two HDDs, you then could start using your new ST2-B31+.

2

RAID Mode Setting:



RAID 0: Provide a big storage capacity and the data transfer efficiency, but no data protection feature.

RAID 1: Because of this Mirroring feature, your two HDDs/SSDs will keep an identical data after your writing works. In case one of the two HDDs/SSDs is defect, ST2-B31+ would still work fine with only one of them. And once inserting a good HDD/SSD as the defect replacement, it will do the rebuilding work by itself.

JBOD: With JBOD mode, you could actually use the two HDDs/SSDs as the normal two storages for your large memory capacity requirement, but no data protection feature.

BIG: You could enjoy a double memory capacity from this BIG feature, but no data protection feature.

The Standard Procedure to Switch RAID Setting:

- Step 1 Please first connect ST2-B31+ to your Mac.
- Step 2 Please set RAID Dip Switch to the position you demand.
- Step 3 Please use the Key to press the hidden RESET key at the back-panel, hold and wait for the Blue-Purple LED blinking, and continue to hold it till a stable Blue light comes out.
- Step 4 Please turn off your ST2-B31+ , and turn it back on again. You now have reset ST2-B31+ with a new RAID mode successfully.

Other Applications

Support Mini DisplayPort

- The ST2-B31+ offers a Mini DisplayPort support DP1.1a, provides up to 4K@30Hz resolution , and is compatible with monitor and cables with Mini DisplayPort.
- By using third-party's mini DisplayPort adapter, it can be connected to the monitor with DisplayPort interface.
- By using third-party's active mini DisplayPort adapter, it can be connected to the monitor with VGA, DVI and HDMI interface.

Support USB Power Delivery (USB-PD)

- USB Power Delivery (USB-PD) introduces charging technology and unified cable standards. ST2-B31+ supports USB-PD. Use USB Type-C to USB Type-C cable, it can provide up to 24W (5V/3A (15W), 9V/2A (18W), 12V/2A (24W)) power charging to the host.
- If the connected host is a notebook that supports USB-PD (5V/9V/12V) charging, it will remain charging after the notebook is powered off or restarted while the ST2-B31+ is still power on.
- If the ST2-B31+ cannot be recognized after the notebook restarted, please reconnect the Type-C cable or restart the ST2-B31+.

3



★ Notebook will need to support 5V/9V/12V charge.

Important Notice

- After the hard disk is formatted, the actual total capacity of the ST2-B31+ detected by the computer operating system will vary from the sum of all hard disk capacities stated by the manufacturer.
- To prevent data loss, do not remove ST2-B31+ while the system is running.
- Please always connect the USB cable to the computer to ensure the energy saving function operating normally.
- Once the system has been initialized, do not switch hard disks around during use. Doing so may prevent the RAID from being recognized by the system.
- Once RAID mode has been set up, the switching of hard drives will lead to the removal of data from the hard disks. Please be sure to backup the data on the hard disk before making any switches.
- The product needs to be restarted after adding or changing the RAID mode, and the update is guaranteed to be the new RAID mode.
- When the Notebook which support USB PD function is only connected to ST2-B31+, ST2-B31+ can provide up to 24W (12V/2A) power supply, but if then connected to other power supply such like the original Notebook power supply, Notebook will automatically judge which one will be the main power source, usually the one which can provide more Wattage will be. At this time, ST2-B31+ may be interrupted and re-identified by the Notebook. Therefore, before connecting to other power supplies, please make sure that there are no data accessed between Notebook and ST2-B31+.
- ST2-B31+ can only provide 24W at most, which is different from the original Notebook power supply. It mainly to extend the Notebook's usage time. Take Macbook Pro 13" as an example, the original power supply is 60W, assuming it take 2 hours for it to fully charge the battery , use ST2-B31+ might need three times time. Therefore, if user need to use Notebook for a long time, it is recommended to connect the original power supply first before connect ST2-B31+.
- If the ST2-B31+ needs to be shut down or disconnected, please ensure the HDD is safely removed through your operating system before turning off the power.
- We strongly recommend backing up important data stored on the ST2-B31+ to another storage device or a remote site. STARDOM will not be held liable for the damage or loss of data you stored on the ST2-B31+.
- If you need to install the operation system such like Windows or macOS into this device, please refer to the user manual for details.

Thank you for choosing **STARDOM's** product.

The information provided in this manual was checked before publication, but the actual product specifications may have changed before shipping; Latest product specifications and updates can be found at www.STARDOM.com.tw or through your sales representative. No separate notifications will be provided by our company.

If you have any questions about RAIDON products or would like to receive the latest product information, instruction manuals, or firmware, please contact services@stardom.com.tw for assistance.

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4