

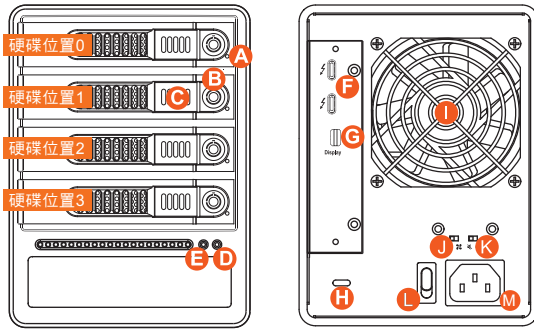
# RAIDON

## GR4670-TB3 快速安裝導引

### 產品示意圖與配件表

前視圖

背視圖



注意：硬碟位置 0 一定要安裝硬碟。

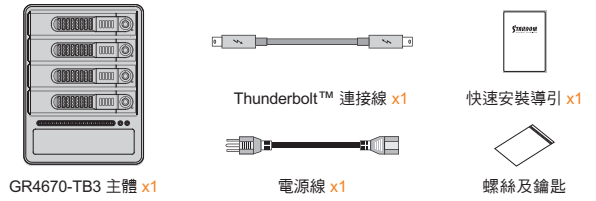
- A 硬碟讀取燈
- B 硬碟抽取盒鎖
- C 硬碟卡榫退出鍵
- D 電源指示燈
- E 系統指示燈
- F Thunderbolt™ 連接埠
- G Mini display 連接埠
- H 防竊鎖孔
- I 風扇
- J 風扇轉速切換按鈕
- K 靜音開關
- L 電源開關
- M 電源插座

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打開包裝外盒後，包裝內容應包含下列組件：

產品配件表



- 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.raidon.com.tw/RAIDON2016/download.php>) 下載驅動程式以及其餘相關資源。

### 燈號說明

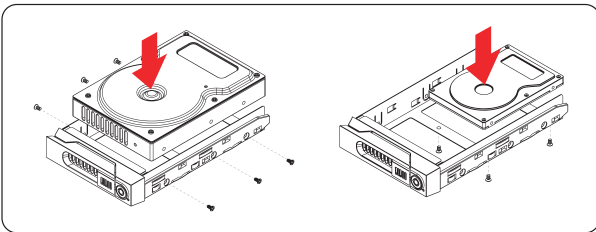
| 狀態         | 電源指示燈 | 系統指示燈 | 硬碟狀態燈 | 蜂鳴器 |
|------------|-------|-------|-------|-----|
| 無硬碟        | 藍燈恆亮  | N/A   | 紅燈恆亮  | N/A |
| 硬碟故障       | 藍燈恆亮  | 紅燈閃爍  | 紅燈恆亮  | YES |
| 資料存取       | 藍燈恆亮  | N/A   | 藍燈閃爍  | N/A |
| 硬碟閒置       | 藍燈恆亮  | N/A   | 藍燈恆亮  | N/A |
| 資料重建 - 來源碟 | 藍燈恆亮  | N/A   | 藍燈閃爍  | N/A |
| 資料重建 - 目標碟 | 藍燈恆亮  | N/A   | 紫燈閃爍  | N/A |
| 風扇故障       | 藍燈恆亮  | 紅燈閃爍  | 藍燈恆亮  | YES |
| 過熱         | 藍燈恆亮  | 紅燈閃爍  | 藍燈恆亮  | YES |

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### 硬體安裝

請參照下列步驟，完成 GR4670-TB3 的硬體安裝：

1. 當你打開包裝後，請先檢查產品主體以及附件是不是有毀損或是短缺情形，如果發生產品主體及附件短缺，請立刻與您的供應商聯絡。
2. 將主機置於平穩空間上，並確認散熱風扇沒有被擋住，且四周有適當的散熱空間。(請避免接近水源或是其他容易造成產品損傷的環境)
3. 請使用零件包中所附的鑰匙插入鑰匙孔，開啟硬碟抽取盒把手便將抽取盒取出。
4. 將硬碟安裝到抽取盒上，並以零件包內附的螺絲加以固定，以避免不必要的移動對硬碟造成傷害。



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。

5. 硬碟安裝完成後，請將抽取盒平移放入主機內，並關上把手。
6. 請依據您欲使用的介面，從附件包中選擇相對應的連接線，將 GR4670-TB3 背面連接埠與電腦主機相對應介面埠連接。
7. AC Power 電源線與 GR4670-TB3 連接好，並將接頭接上電源插座後開機。
8. 開機後，您的作業系統將會自動辨識到儲存容量；待辨識成功後，請依據您所需的儲存格式，將系統依照作業系統的指示完成格式化。待硬盤格式化完成後，便可直接使用 GR4670-TB3 系統。
9. 如電腦無法辨識此一系統，請前往官網 ([www.raidon.com.tw](http://www.raidon.com.tw)) 下載後安裝驅動程式。

### 風扇故障狀況排除

GR4670-TB3 內建風扇故障警示功能，若 GR4670-TB3 風扇發生故障時，內建的蜂鳴器會發出警告聲響，前面板的紅色警示燈號也會亮起；此時您可選按系統後面的靜音開關，先將警示聲關閉，並在允許的狀況下關閉 GR4670-TB3 電源讓機器降溫；同時，請先確認機體擺放環境是否通風良好，沒有任何物體擋住風扇孔，一併檢查 GR4670-TB3 的風扇是否停止運轉；待上述檢查確認後，再將電源開啟繼續使用本系統。若問題還是無法獲得解決，請與此產品供應商或 RAIDON 連絡，以便取得進一步的支援。

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### 產品使用注意事項

1. 本系統同一時間只可透過一組介面與一台電腦執行資料傳輸。
2. RAID 5 的容量形成是將硬碟中最小容量乘上 3 倍後，RAID 0 乘上 4 倍，之後會被視為一個大儲存容量；因此，用本系統前必須每顆硬碟裝置槽都已安裝硬碟，並建議全部使用相同品牌與同規格之全新硬碟。同時，如果需要更換新的硬碟時，也請務必購買規格、容量、廠牌相同的硬碟，若無法購買到符合上述條件的硬碟時，請選購容量大於另一硬碟最少 20 GB。
3. 硬碟格式化後，由電腦主機作業系統所辨識 GR4670-TB3 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。
4. 第一次使用本產品進行設定時，資料會被全數清除。請於硬碟置入前，確認硬碟已備份，避免資料遺失。
5. 在安裝新硬碟到 GR4670-TB3 之前，請先確認硬碟是沒有壞軌而且是沒有故障的，以避免資料受損。
6. 當您需要關閉或移除 GR4670-TB3 時，務必透過您所操作的作業系統中執行硬碟安全移除後，方可進行電源關閉的動作。
7. 當系統運作時，請勿任意移除任何一顆硬碟，以免導致資料遺失。
8. 完成系統初始安裝後，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。
9. 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。
10. 在 RAID 5 模式下儲存系統僅容許單顆硬碟故障。因此，當您發現二顆以上的硬碟顯示故障時，您先前已存儲的資料可能已毀損或遺失；在 RAID 0 模式下，當您發現一顆以上的硬碟顯示故障時，您先前已存儲的資料可能已毀損或遺失。
11. 當您需要關閉或移除 GR4670-TB3 時，務必透過您所操作的作業系統中執行硬碟安全移除後，方可進行電源關閉的動作。
12. 當系統溫度達到 55 度時，機器風扇會全速運轉，加速機器內部散熱，當系統溫度降回 50 度以下時，才會恢復手動風扇轉速設定之狀態。
13. 強烈建議除了使用 GR4670-TB3 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 GR4670-TB3 的資料損毀或遺失，RAIDON 將不負任何的責任。

感謝您使用 銳銳科技股份有限公司 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.RAIDON.com.tw](http://www.RAIDON.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 銳銳科技 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 [supporting@raidon.com.tw](mailto:supporting@raidon.com.tw)，我們將儘速回覆您。

本說明相關產品內容歸 銳銳科技股份有限公司 版權所有

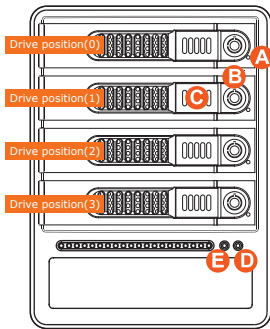
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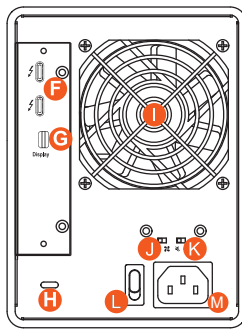
## GR4670-TB3 Quick Setup Guide

### Product Illustration and Parts List

Front View



Rear View



NOTE: A hard disk must be installed at HDD location 0.

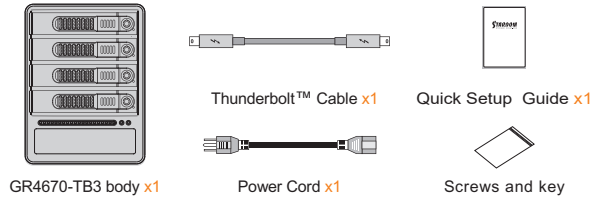
- A HDD access light
- B HDD enclosure key lock
- C HDD enclosure button
- D Power status light
- E System status light
- F Thunderbolt™ port
- G Mini display port
- H Anti-theft lock
- I Fan
- J Fan speed switch
- K Mute switch
- L Power switch
- M Power socket

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The following items should be inside the package upon opening:

#### Product Parts List



- 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.raidon.com.tw/RAIDON2016/download.php>) to download drivers and other related resources.

### The Indication of HDD Status

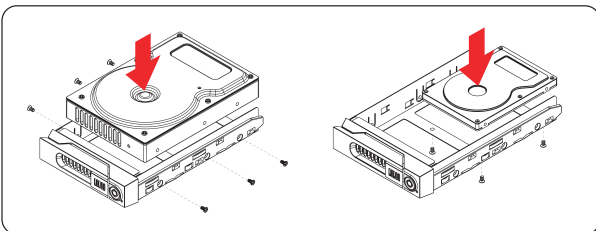
| Status                       | Power status light   | System indicator Light | HDD Status Light      | Buzzer |
|------------------------------|----------------------|------------------------|-----------------------|--------|
| No HDD detected              | Blue light always on | N/A                    | Red light always on   | N/A    |
| HDD failed                   | Blue light always on | Red light flashing     | Red light always on   | YES    |
| Data access                  | Blue light always on | N/A                    | Blue light flashing   | N/A    |
| HDD idle                     | Blue light always on | N/A                    | Blue light always on  | N/A    |
| Rebuilding data - Source HDD | Blue light always on | N/A                    | Blue light flashing   | N/A    |
| Rebuilding data - Target HDD | Blue light always on | N/A                    | Purple light flashing | N/A    |
| Fan failure                  | Blue light always on | Red light flashing     | Blue light always on  | YES    |
| Overheat                     | Blue light always on | Red light flashing     | Blue light always on  | YES    |

### Hardware Installation

Please follow the steps below to complete the GR4670-TB3 hardware setup process:

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- When you open the package, please immediately check the product and included parts for any damage or missing parts. If there is a problem with the product or included parts please contact your supplier immediately.
- Place the device on a flat, even surface. Make sure that the cooling fan is not blocked and there is sufficient surrounding space for cooling. (Keep away from water or other environments that may cause product damage).
- Please insert the key included with the parts pack into the keyhole to release the HDD enclosure handle and remove the HDD enclosure.
- Place the hard disk in the HDD enclosure and secure it in place with the included screws; this will prevent damage to the hard disk from external vibration.



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

- Once the hard disk is installed, slide the enclosure into the system and close the handle.
- Select the appropriate cable from the accessories pack depending on the interface. Connect the GR4670-TB3 backplate connection port to the corresponding port on the computer.
- Connect the AC Power cable to the GR4670-TB3. Plug the connector into the power socket then start the system.
- Your operating system will automatically detect available capacity once the device finishes booting. Once the device has been detected, please follow instructions given by the operating system and format the system. Once the hard disk has been formatted, the GR4670-TB3 system can be used.
- If the computer is unable to detect the system, please install the drivers from official website ([www.raidon.com.tw](http://www.raidon.com.tw))

### Troubleshooting Fan Errors

The GR4670-TB3 includes a fan failure warning function. When the fan of the GR4670-TB3 fails, the built-in buzzer will sound. The red warning light on the front plate will also light up; if this happens, press the mute switch at the back of the system to turn off the buzzer. Next, turn off power to the GR4670-TB3 as soon as possible to let the machine cool down. Check to make sure that the machine is placed in a well-ventilated location with nothing obstructing the fan, also check to see if the GR4670-TB3's fan has stopped turning. Once the above checks have been completed, turn the power back on to continue using this system. If this doesn't solve the problem, please contact the product supplier or RAIDON for further technical assistance.

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### Important Notice

- This system can only transfer data to one computer through one interface at a time.
- The capacity of RAID 5 is the size of capacity of the smallest hard disk multiplied by 3, while RAID 0 is multiplied by 4. The result will be treated as one single high-capacity drive. A hard disk must therefore be installed in every bay before this system can be used. We also recommend using brand new hard disks with identical specifications from the same brand. If a hard disk needs to be changed, please be sure to buy a hard disk with the same specifications, capacity, and brand. If this is not possible, then the capacity of the new hard disk should be at least 20 GB larger than the existing hard disk.
- After the hard disk is formatted, the actual total capacity of the GR4670-TB3 detected by the computer operating system will vary from the sum of all hard disk capacities stated by the manufacturer.
- All existing data will be deleted when this product is set up for the first time. Please ensure that all data on the hard disk has been backed up before installation to avoid data loss.
- Before a new HDD is installed in the GR4670-TB3, please make sure that there are no bad tracks or defects to avoid data loss.
- If the GR4670-TB3 needs to be shut down or disconnected, please ensure the HDD is safely removed through your operating system before turning off the power.
- To prevent data loss, do not remove any of the hard disks while the system is running.
- 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. Under RAID 5 mode, the system can only tolerate the failure of one hard disk. If the system shows that two or more of your hard disks have failed, your stored data may already be damaged or lost. In RAID 0 mode, if the system shows that one of your hard disks has failed, your stored data may already be damaged or lost.
- If the GR4670-TB3 needs to be shut down or disconnected, please ensure the HDD is safely removed through your operating system before turning off the power.
- While the In-chassis temperature reaches up to 55 degree-C (131 degree-F), in order to get rid of the heat efficiently, your DR8-TB3 will turn fan parts to full speed automatically. And once the In-chassis temperature drops down to 50 degree-C (122 degree-F), you could then set fan speed at Fan Speed Switch manually to reduce its fan noise for a better green environment at both of a lower fan noise and the power saving.
- We strongly recommend backing up important data stored on the GR4670-TB3 to another storage device or a remote site. RAIDON will not be held liable for the damage or loss of data you stored on the GR4670-TB3.

Thank you for choosing this RAIDON 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.RAIDON.com.tw](http://www.RAIDON.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 [supporting@raidon.com.tw](mailto:supporting@raidon.com.tw) for assistance.

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