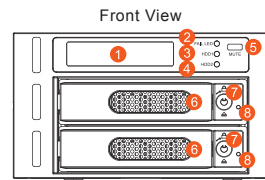


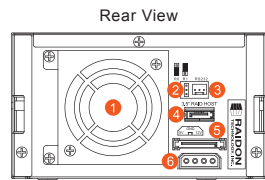
# RAIDON

## iR2622 Quick Installation Guide

### Product Diagrams and Contents of Product Package

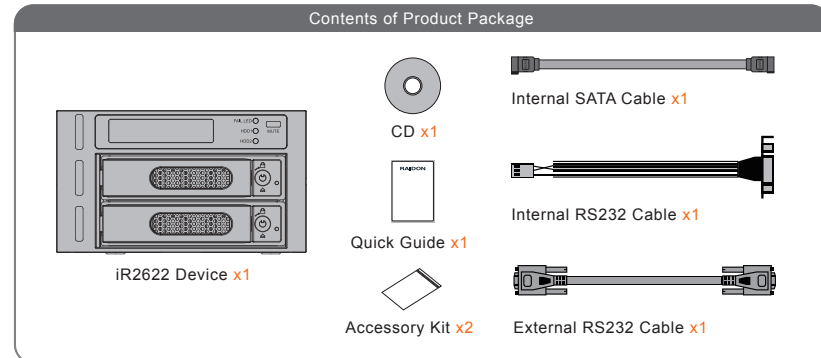


- 1 LCD Display
- 2 LED of failure Alarm
- 3 Pri. HDD status indicator
- 4 Sec. HDD status indicator
- 5 Mute Button
- 6 Removable drive tray
- 7 HDD tray key lock
- 8 HDD Access



- 1 Cooling fan
- 2 RAID mode switch
- 3 RS232 Port
- 4 SATA Port
- 5 15 PIN Power Connector
- 6 4Pin Power Connector

After you open the outer package, make sure that the following items are contained in the package:

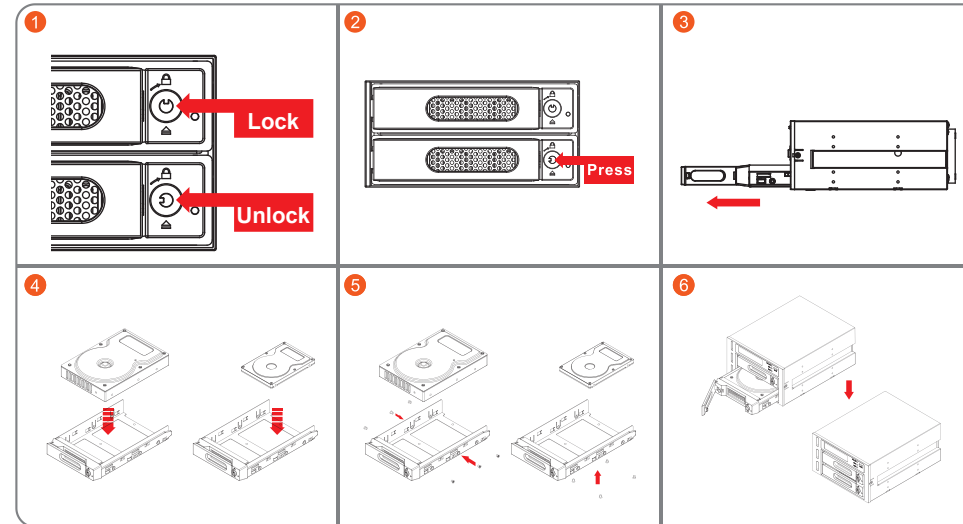


v1.0(Sep.2015)

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### Hardware Installation

1. Unlock the hard drive tray lock.
2. Press down the button for hard drive clamp.
3. Pull out the hard drive tray kit.
4. Install a 3.5" or 2.5" hard drive on the hard drive tray.
5. Secure screws from the screw kit in 4 positions.
6. Refit the hard drive tray into the MR2020.

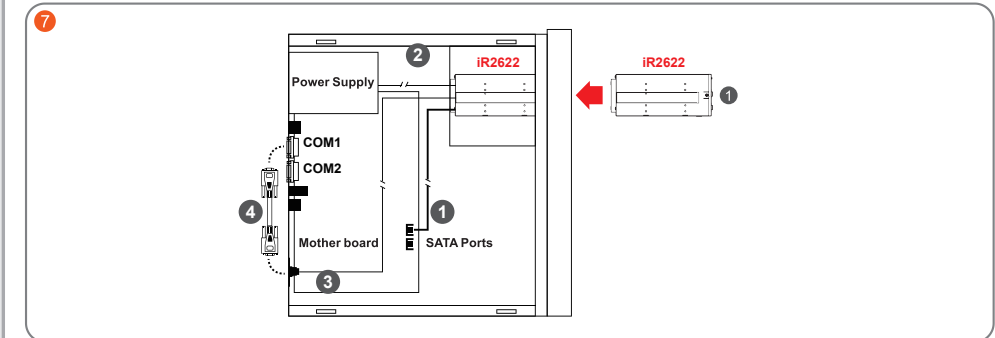


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7. Install device into one of the CD-ROM bays with screws from the accessory kit. Then properly connect SATA cable and DC cable from your system to the device.



RS232 Port and RS232 Cable : Provides hardware status monitoring to industrial control system or IPC via RS232. If more information are required, please contact [supporting@raidon.com.tw](mailto:supporting@raidon.com.tw).



8. Power on your system after hardware installation is completed, and your operating system will automatically detect the hard drives from booting. Then follow the steps from your operating system to partition and format the drives when necessary, device will be ready to use once the format is completed.

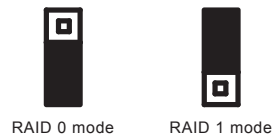
### LED Instruction

	Fail LED	HDD 1	HDD 2	TRAY 1	TRAY 2	Buzzer
Stand by	—	Orange / light on	—	Blue / light on	—	—
HDD Failure	Red / light on	—	—	Red / light on	—	On
Access	—	Orange / light on	—	Blue and Purple / blinking	—	—
Rebuilding(Source)	—	Orange / light on	—	Blue / light on	—	—
Rebuilding(Target)	—	—	—	Red / blinking	—	—
Fan Failed(Stop Rotating)	Red / light on	—	—	—	—	On
Overheat(Over 50°C)	Red / light on	—	—	—	—	On

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### RAID Mode Setting

- 1.Please select the RAID mode with the jumper located at the back panel. The original default is RAID 1, still there are three pins at the back panel for RAID mode selection: RAID 0 mode by setting the jumper on the bottom of the two pins. RAID 1 mode by setting the jumper on the top of the two pins.



- 2.RAID 1 Mode (default)

- 1) Insert two brand new hard drives into iR2622.
- 2) As RAID 1 is composed of two hard drives, it can be referred to as disk mirroring, each data will simultaneously be written in two hard drives and the data in two hard drives are exactly the same. Whenever one of the hard drives is failed, the system is still able to work normally. Once the failed hard drive is replaced by a new one, iR2622 will start auto-rebuilding.

The computing method of RAID 1 hard disk capacity:  
[total capacity] = [minimum capacity of hard drive]

Ex:  
2 × 500GB HDD=500GB  
1 × 500GB HDD+1 × 200GB HDD=200GB

- 3.RAID 0 Mode

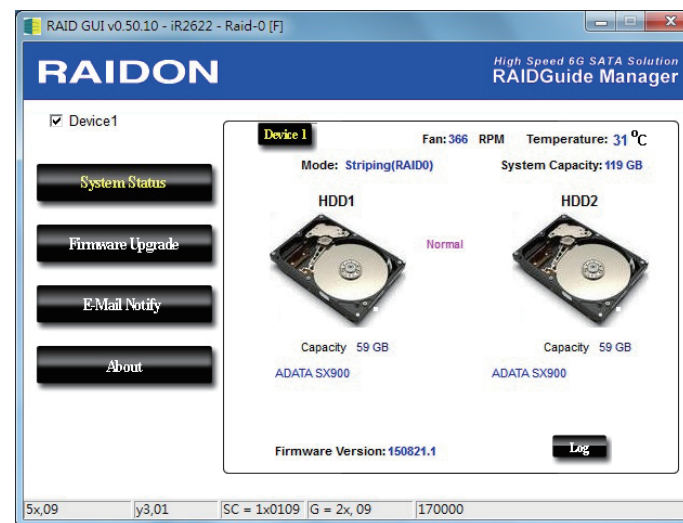
- 1) Insert two brand new hard drives into iR2622.
- 2) The RAID 0 combines two hard drives to work as a large hard drive which provides the efficient read/write performance.

The computing method of RAID 0 hard disk capacity:  
[total capacity] = [hard drive number] x [minimum capacity of hard drive]

Ex:  
2 × 500GB HDD=2 × 500GB=1000GB  
1 × 500GB HDD+1 × 200GB HDD=2×200GB=400 GB

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### GUI Monitoring Software & Firmware Updating



You can use the GUI software to monitor RAID status and update firmware. Please find the related application program from the disc that provided in the package.



Updating firmware may cause your system unable to operate normally. If your system runs normally, we suggest that you do not update firmware. Should you have any doubts on firmware updating, please contact the technical service staff of RAIDON Technology Inc. or email us at: [supporting@raidon.com.tw](mailto:supporting@raidon.com.tw).

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### All Messages Displayed on the LCD

1. Booting and Normal status

iR2622  
RAID-1 v150821.1 → Pei HDD:OK  
Sec HDD:OK

2. Drive Failed

Pei HDD:OK  
Sec HDD:FAILED  
Pei HDD:FAILED  
Sec HDD:OK

3. Over Temperature (≥50°C)

Pei HDD:OK  
Sec HDD:OK T

4. Fan Failure

Pei HDD:OK  
Sec HDD:OK F

5. RAID 1 Degraded. Primary hard drive is failure, but secondary hard drive is normal.

RAID-1 degraded  
Pri : X Sec : O

6. RAID 1 Failure. Primary and secondary hard drives are failure.

RAID-1 failure  
Pri : X Sec : X

7. RAID 1 Failure (Double Source)

RAID-1 failure  
Double Source

8. RAID 0 Failure. Primary hard drive is missing, but secondary hard drive is normal.

RAID-0 failure  
Pri : M Sec : O

9. Rebuilding

Rebuilding  
Sec→Pri 32%



When "T" is shown, it means that there is an alarm for system over-heating, but the normal data transmission will not be affected; if the ambient temperature has been improved, it will return to normal.

Thank you for choosing product from RAIDON Technology Inc. This information in the manual has been thoroughly checked before publication, but may not conform to the product actually delivered which mean actual product specifications depend on the product shipped to you. Any update in the specifications or product-related information shall not be subject to further notice but for the latest information on the product, please visit the website as [www.RAIDON.com.tw](http://www.RAIDON.com.tw) or contact us at [supporting@raidon.com.tw](mailto:supporting@raidon.com.tw), and we will get back to you as soon as possible.

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