SETIS™ software is included in the control unit once delivered. PLC runs the software directly from the SD card inserted in the PLC master slot (see picture).

It means the software do not requires additional installation in any computer or terminal and runs via the web-based application.

In order to do so, users can communicate with the PLC via WiFi (connecting the PLC to the local network) or via Ethernet (connecting the PLC to their PC). Read Control Unit manual for more details.

SD Card slot

UTP port connected to local network (WIFI communication)

UTP port connected to PC (Ethernet communication)
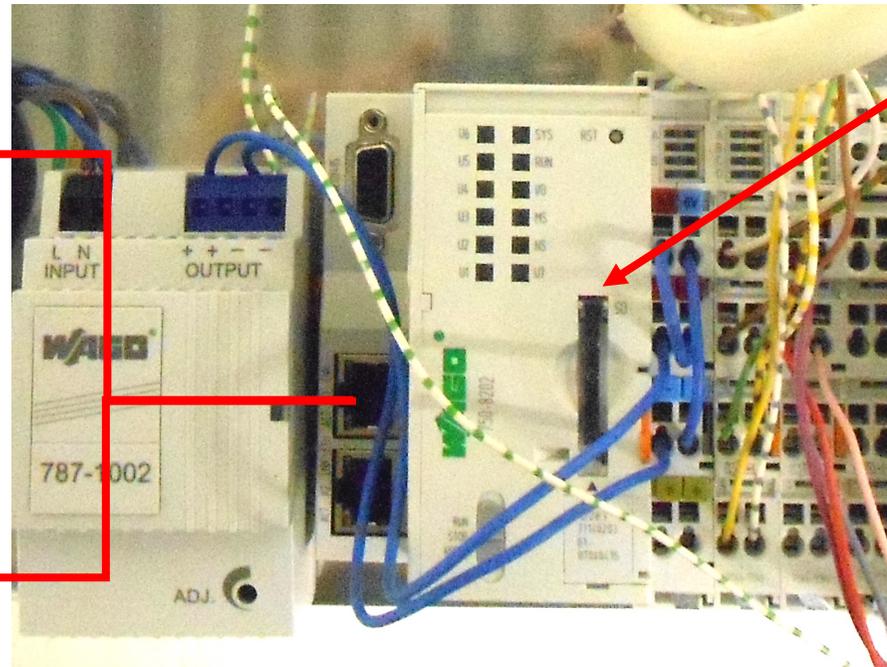
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All software information, including user's configuration and DB are stored in the SD card.

SD Card Specifications:
- Capacity 16GB
- Class 4

Two major procedures are explained here:
1. **How to back-up/copy the content from the SD card.**
2. **How to write/transfer the back-up to a new SD card.**

Requirements:
- Computer running Windows OS. Unfortunately the software used to Copy/Write the SD card runs only on Windows OS
- Download and install in your PC the software HDD Raw Copy Tool. Link: www.HDDGURU.com. This Software will allow you to make and transfer an IMAGE of your SD card
- SD card reader (integrated in the PC or external)

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How to back-up/copy the content from the SD card.

1. Switch OFF the Control Unit by disconnecting it from the electricity
2. Remove the SD card from the PLC master slot
3. Insert the SD card into the SD card reader
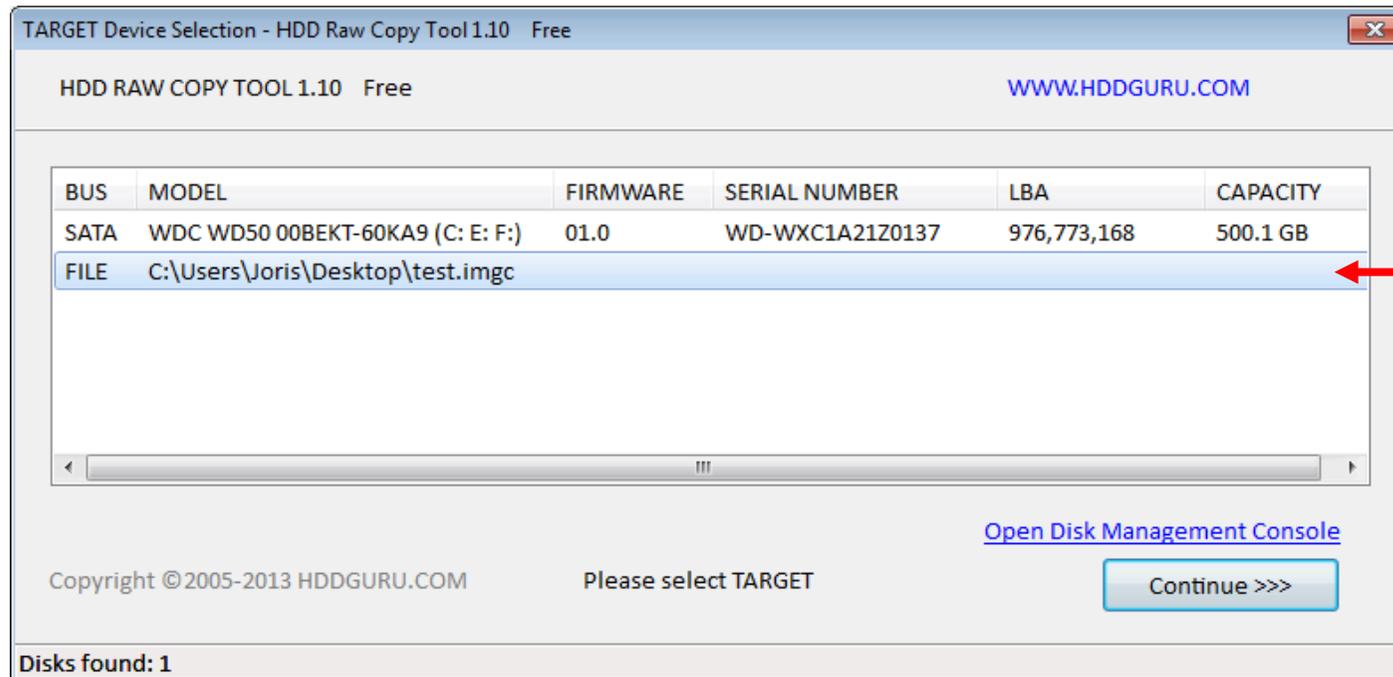4. Start the HDD Raw Copy Tool software in your PC

How to back-up/copy the content from the SD card.

5. In the first screen you have to select the SOURCE to copy from. Select the SD card reader (name will differ from system to system)
6. Press Continue

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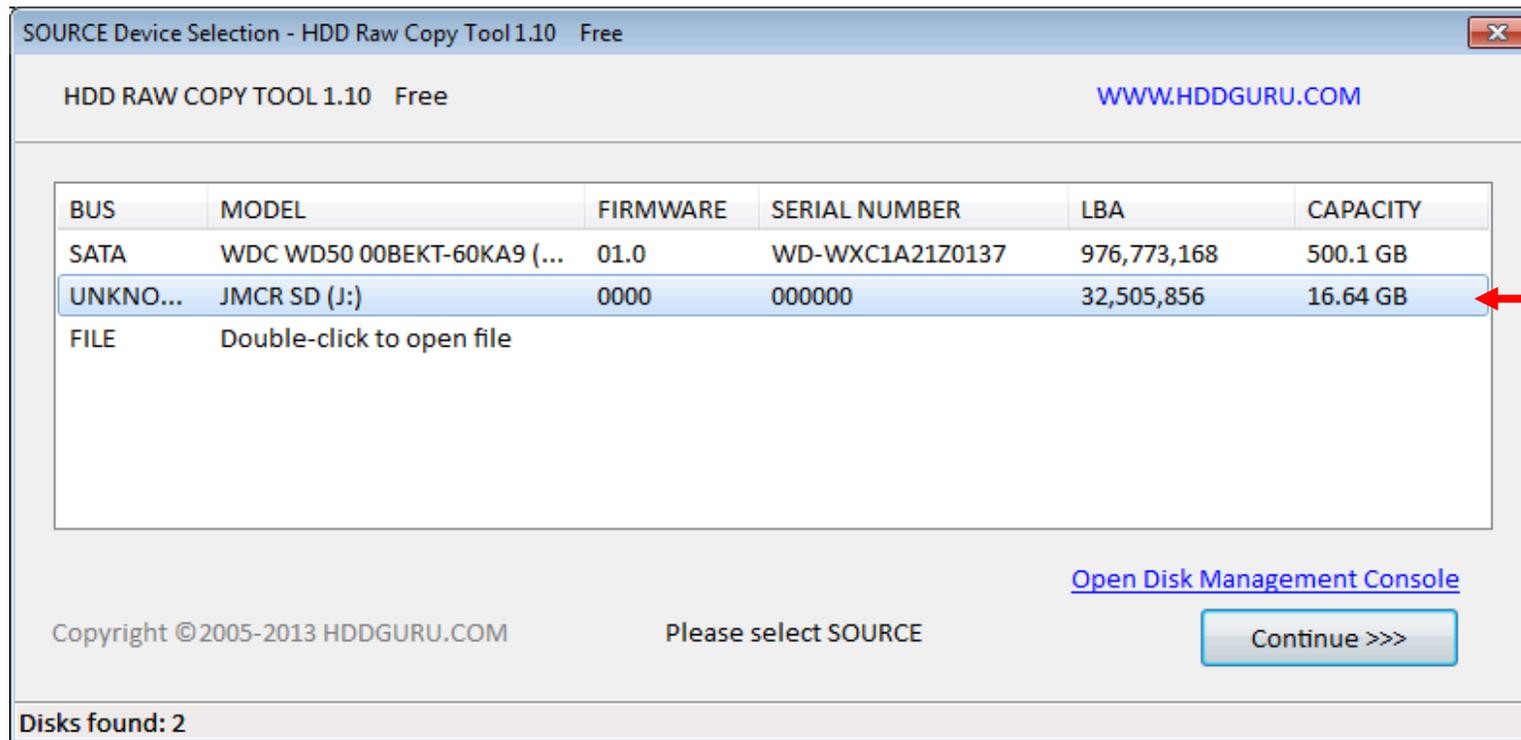
How to back-up/copy the content from the SD card.

7. In the second screen you need to select the TARGET to where the IMAGE of the SD card will be stored
8. Double click on FILE
9. This will open a dialog to select where you want to store the IMAGE and how do you want to name it. Select then the location and give a name to the IMAGE file.
10. Be sure the FILE line is selected and Press Continue. **WARNING**: **If you select the Hard Disk by accident, instead of FILE, the Hard Disk will be overwritten !!!**

How to back-up/copy the content from the SD card.

11. In the next screen, verify your choices
12. Press START

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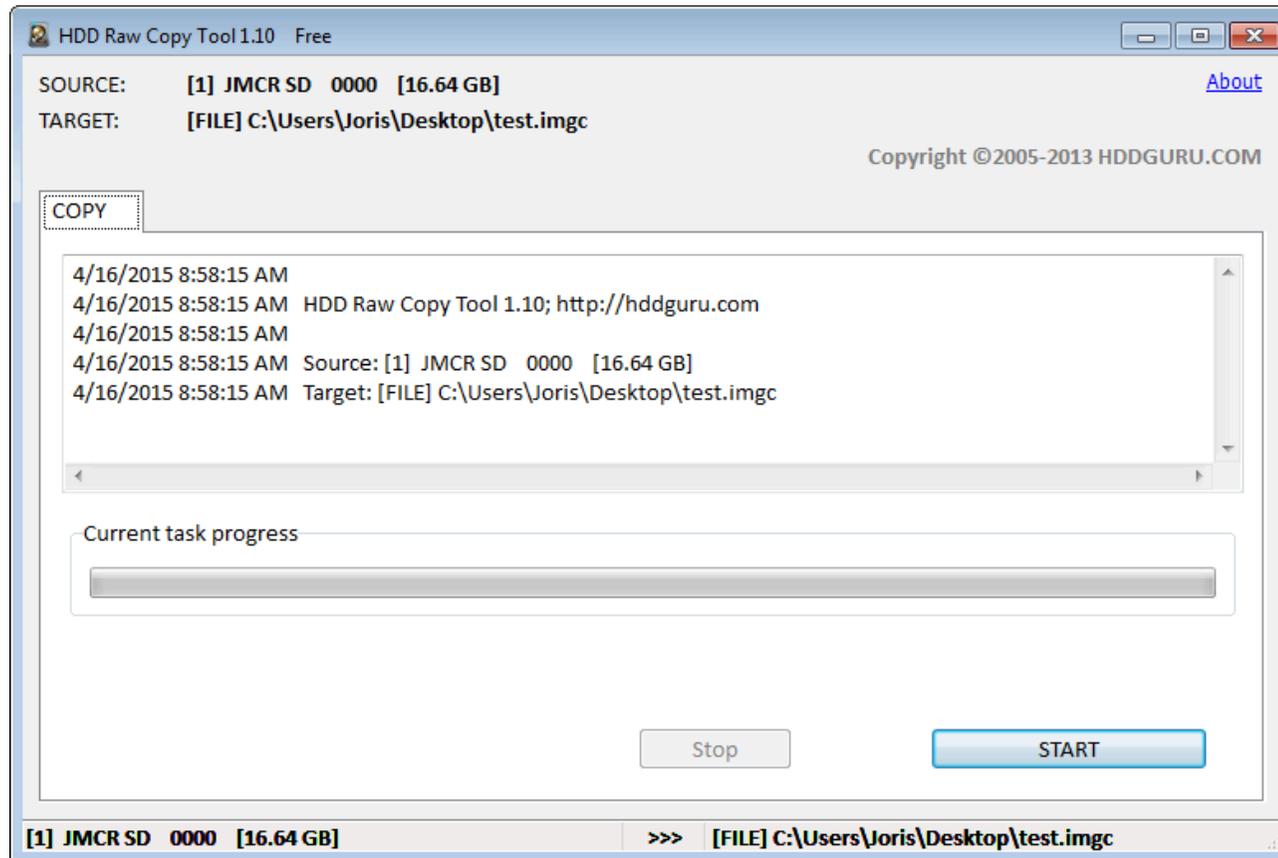
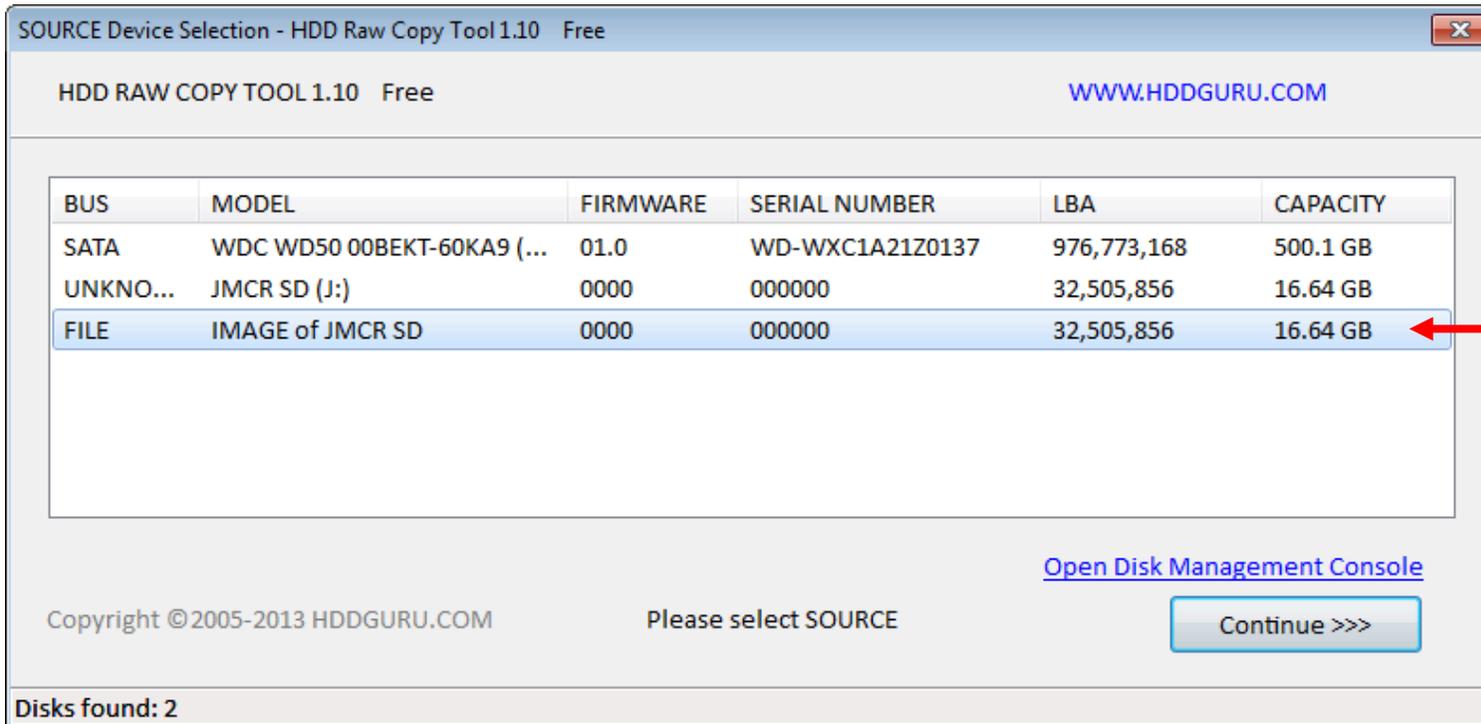**How to back-up/copy the content from the SD card.**

13. Creating the IMAGE will take several minutes
14. Once completed, close the HDD Raw Copy Tool
15. The IMAGE size will be 16GB. However, it will have a lot of empty spaces. Therefore it compresses really well if you Zip it. Which is helpful for sending the IMAGE via email.

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How to write/transfer the back-up to a new SD card.

1. Locate or place the IMAGE file in the PC (Unzip it if necessary)
2. Insert the empty SD card into the SD card reader
3. Start the HDD Raw Copy Tool software in your PC

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How to write/transfer the back-up to a new SD card.

4. In the first screen you have to select the SOURCE to copy from.
5. Double click on FILE
6. This will open a dialog to select where is the IMAGE file. Make sure FILE is selected.
7. Press Continue


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How to write/transfer the back-up to a new SD card.

8. In the second screen you have to select the TARGET to where the IMAGE file will be written
9. Select the SD card reader. **WARNING**: **If you select the Hard Disk by accident, instead of the SD card reader, the Hard Disk will be overwritten !!!**
10. Press Continue

SETIS™
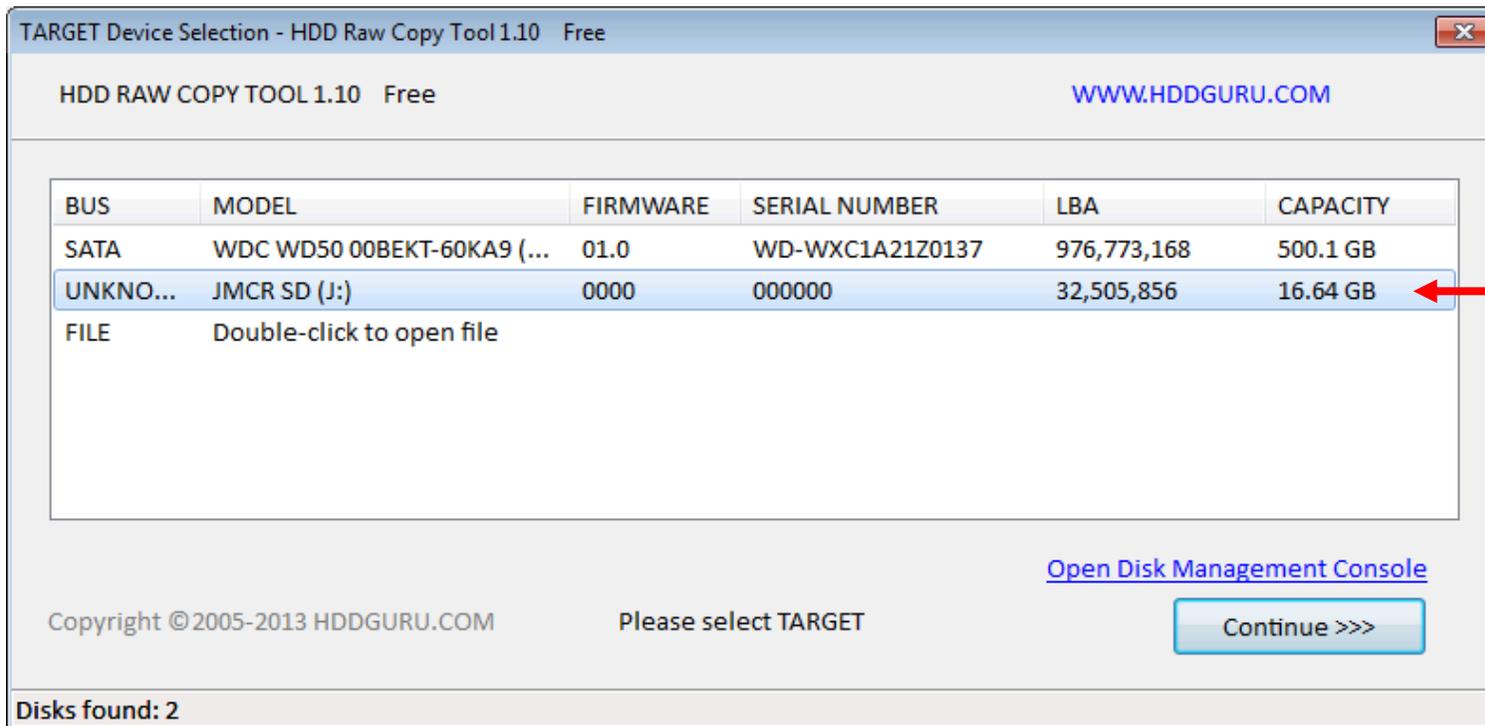
How to write/transfer the back-up to a new SD card.

11. In the next screen, verify your choices
12. Press START
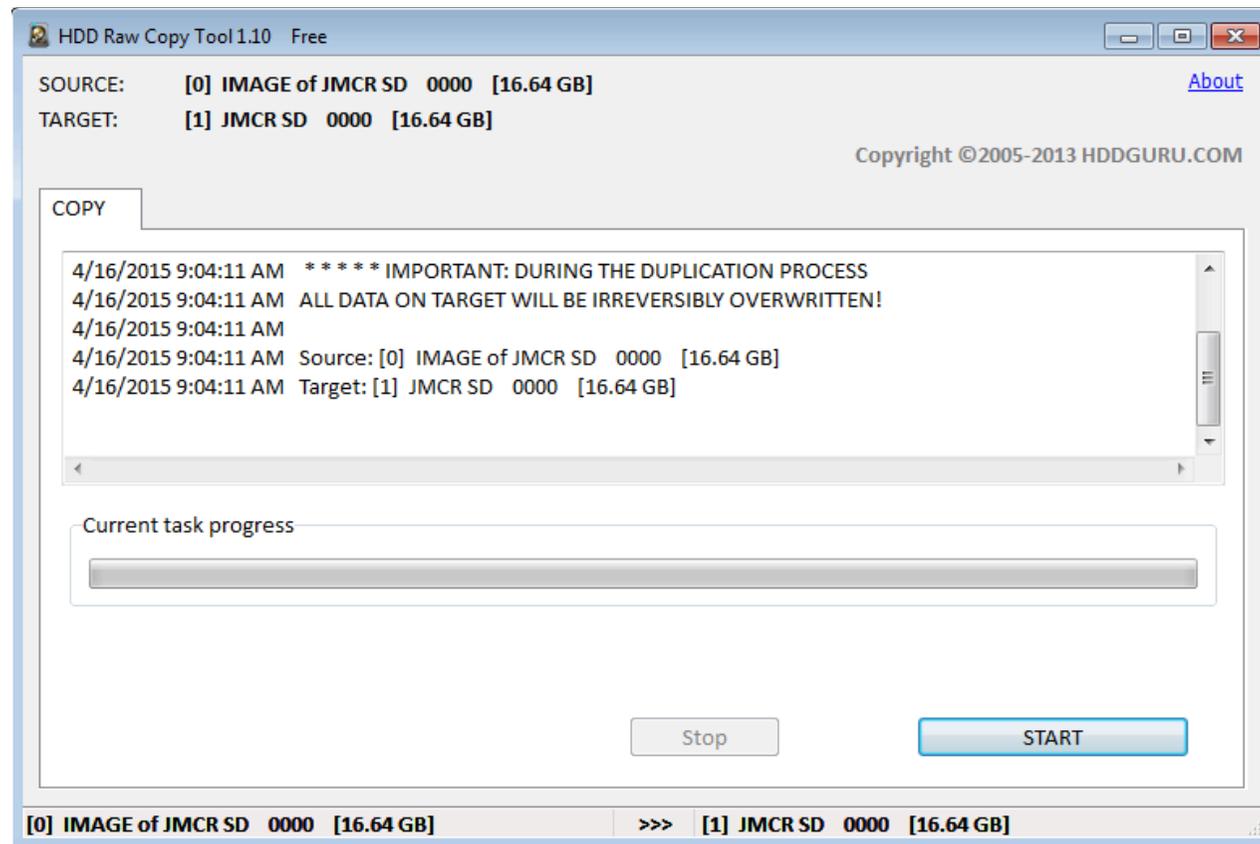
How to write/transfer the back-up to a new SD card.

13. Writing the IMAGE file to the SD card will take several minutes
14. Once completed, close the HDD Raw Copy Tool
15. The IMAGE size is be 16GB. However, not every SD card has exactly the same size. It is possible that the size of the IMAGE is slightly larger than the size of the SD card. In this case, the progress bar will not reach 100%, but will stop earlier. This will not influence the functioning of the software, because only the first 15 GB are actually used, the rest is just empty space, so you can just close the application once progress has stopped, and use the SD card.