

FREQUENTLY ASKED QUESTIONS

SATATYA DVR/NVR/HVR

What
When
Which
Where
How
Who
Why



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How to prevent HDD failure in SATATYA Devices?

For proper functioning of Surveillance Hard Disk Drive connected with SATATYA Devices, take care of the following points:

- It is always recommended to use surveillance HDD instead of a consumer HDD for the SATATYA Devices.
- Make sure to use Matrix Power Supply provided with SATATYA Devices to power them up.
- Make sure to screw the HDD in the slots provided in the device.
- SATATYA Device is recommended to be connected with a UPS to avoid any sudden restarts thereby safeguarding the HDD.
- In SATATYA Device Client, when the message 'HDD requires Clean-up' appears, click yes. This removes the junk files in the HDD connected with the device and not recorded files. The junk files are created as a result of frequent fragmentation/defragmentation of files. However, during the clean-up, the recording stays off. It resumes once the clean-up is done.

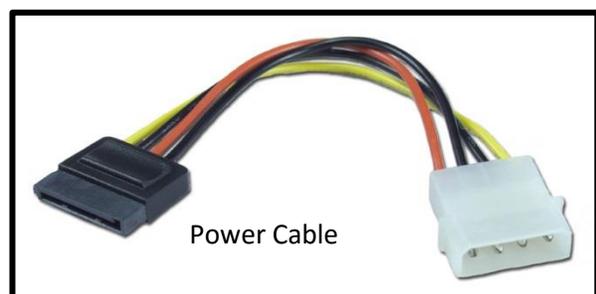
Difference between Consumer and Surveillance HDDs:

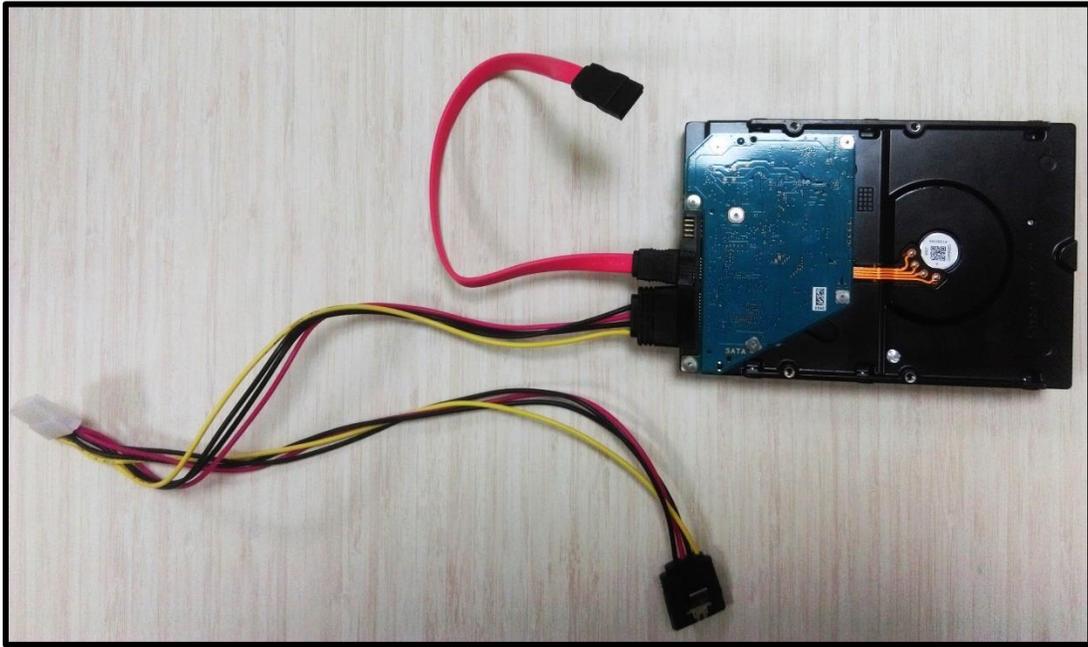
	Consumer HDDs	Surveillance HDDs
Power-on Hours	8X5	24X7
Designed for multi-HDD recording	No	Yes (1 to unlimited)
Mean time before failure (hours)	700K	1-1.4 million
Workloads	Balanced between reads and writes	High sequential read/write of high resolution videos
Power management	High spin-up current > 2A	Low spin-up current < 2A
Warranty	2-3 years	3-5 years

Connecting HDD with SATATYA Device

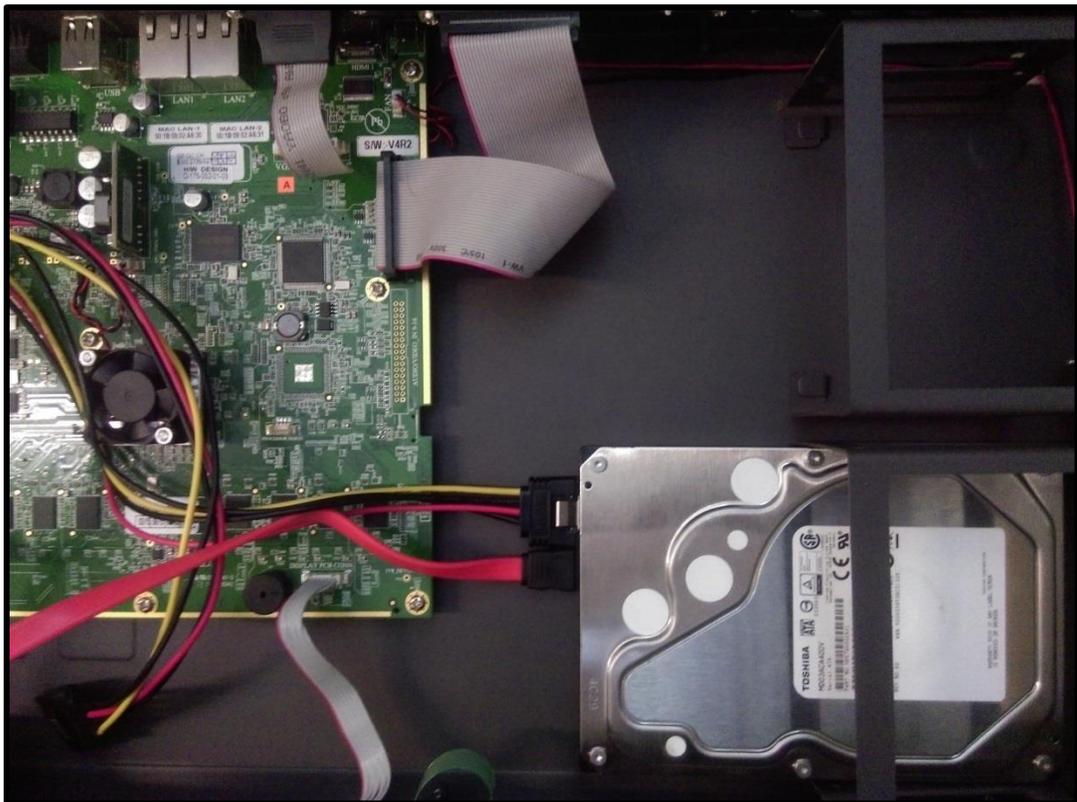
Step 1: Switch off the SATATYA Device.

Step 2: Connect the SATA Cable and Power cable with the HDD.

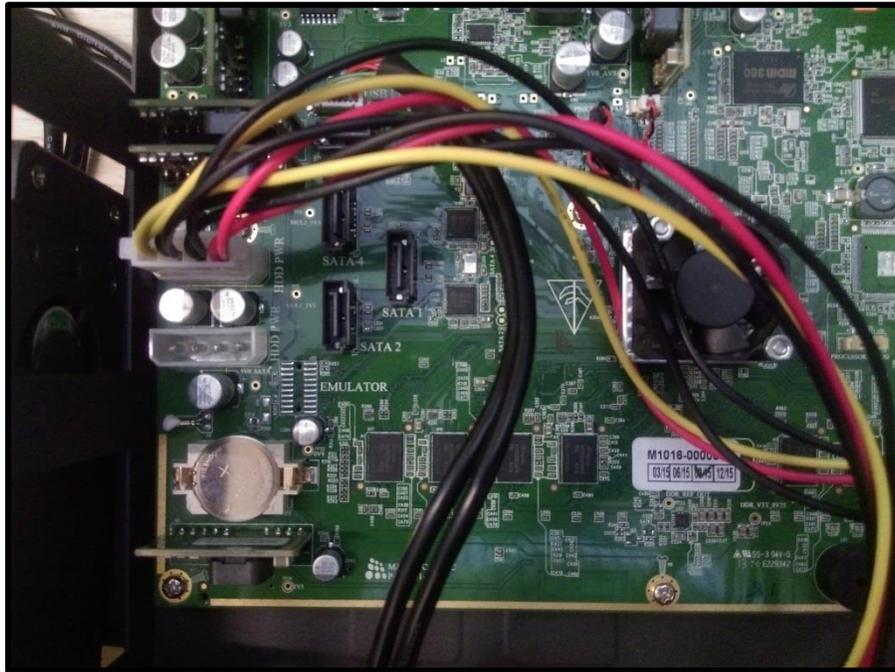




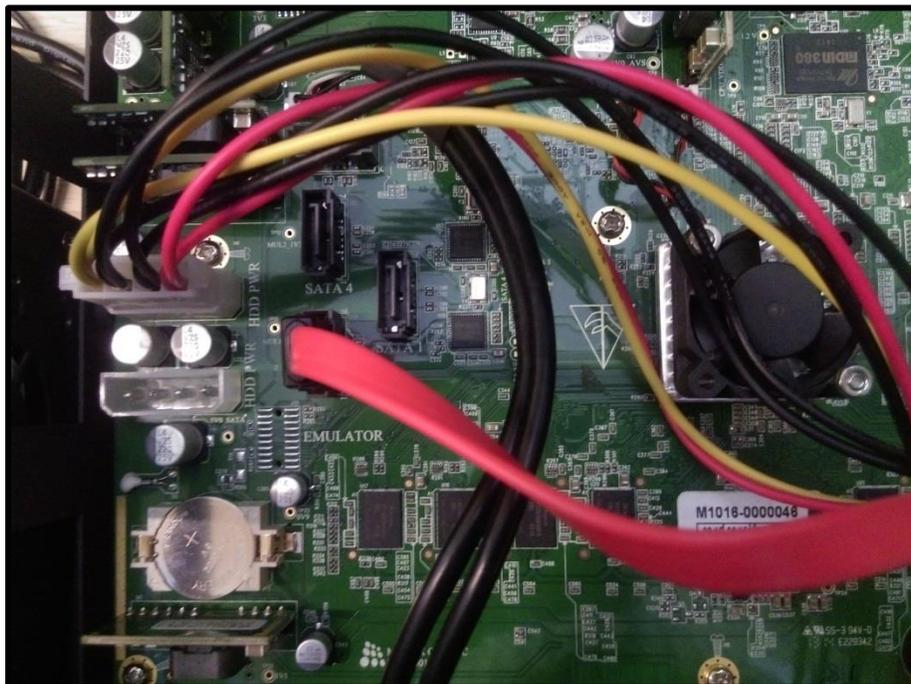
Step 3: Place the HDD in one of the slots provided in SATATYA Device (NVR/HVR).



Step 4: Connect the HDD with the one of the 'HDD PWR' ports of SATATYA Device.



Step 5: Connect the HDD with one of the 'SATA' ports of SATATYA Device.



Step 6: Cover up the device and boot it.

Recommended Brands and Models of HDDs for SATATYA Devices:

Brands	Models
Western Digital	WD60PURX WD50PURX WD40PURX WD30PURX WD20PURX WD10PURX WD6NPURX WD4NPURX WD20NPVX WD15NPVX
TOSHIBA	All models of surveillance HDDs

- All Devices support maximum of 6 TB of Hard Disk per port.
- All Devices support maximum of 16 TB of NAS.
- All Devices support maximum of 1 TB USB Storage per port. The USB storage should contain GPT Partition Table.

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