

PC - Replacing a hard drive

- 1- Tools you need
 - A medium Phillips screwdriver
 - A small Phillips screwdriver

- 2- In the user interface, go to Setup/System Maintenance/Disk Manager. Check which hard disk has the most errors logged or doesn't display "Raid OK". Write down its serial number

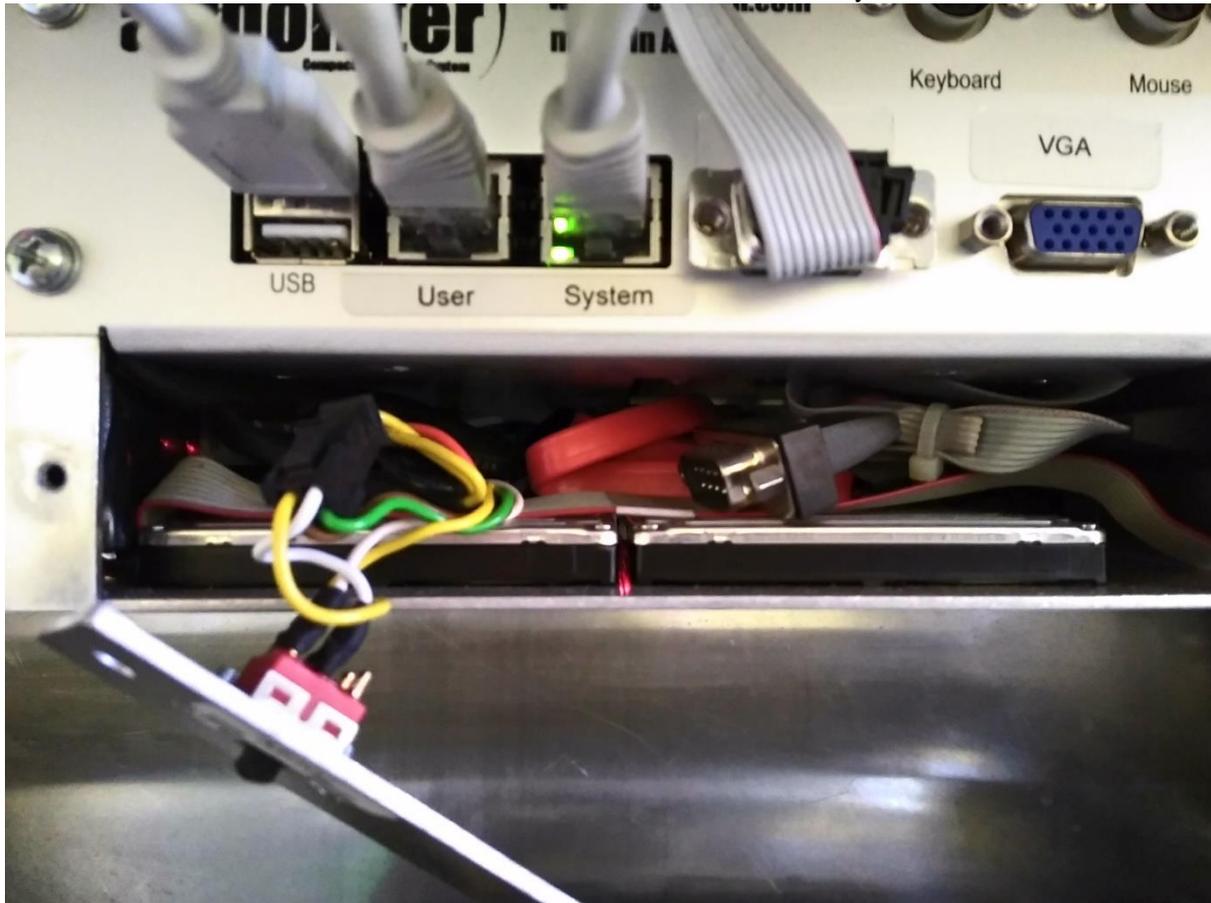
The screenshot shows the 'Disk Manager' section of the Airpointer software. It displays system information for two drives and the status of two RAID configurations.

HDD				
DRIVE 0	sda	OK	Type: ST500LM012 HN-M500MBB	Serial: S2ZYJ9DG209655 465.8GB / formatted
Errors logged: 0 Raw_Read_Error_Rate: 1, Power_On_Hours: 12194, Temperature: 30,				
DRIVE 1	sdb	OK	Type: WDC WD3200LPVT-00FMCT0	Serial: WD-WXE1E24DZY63 298.1GB / formatted
Errors logged: 0 Power_On_Hours: 12274, Temperature: 30, UDMA_CRC_Error_Count: 1,				
RAID System				
RAID 0 drives:2 active:2				
DEV 0	md0	UP	mount: /boot	493.84M 7% used
DEV 1	sda1	UP		
DEV 1	sdb1	UP		
Raid OK				
RAID 1 drives:2 active:2				
DEV 0	md1	UP	mount: /	7.87G 15% used
DEV 1	sda6	UP		
DEV 1	sdb6	UP		
Raid OK				

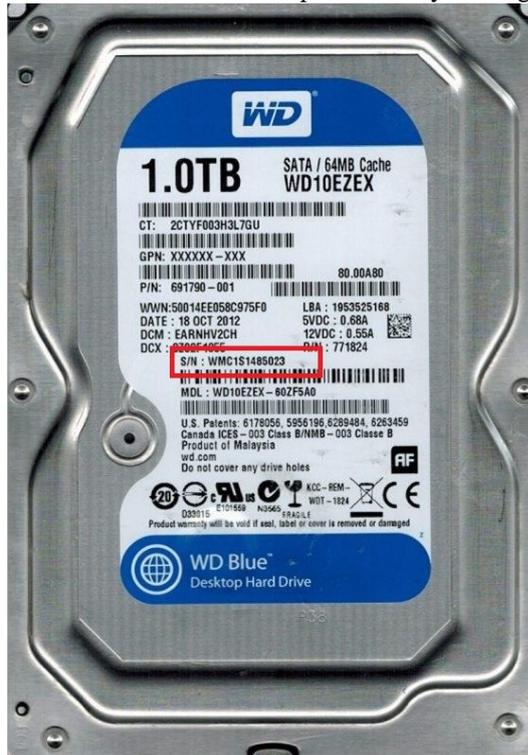
- 3- Turn off the airpointer, pull out the power plug. Refer to the procedure "PC3 – Removing the PC from the Airpointer" to remove the PC



- 4- Remove the 2 screws on the lower cover of the PC to access the battery connector



- Identify the hard drive which needs replacement by reading the serial number on its cover



- Remove the hard drive
- Replace the PC in the airpointer, reconnect all the cables and boot the airpointer with a single hard drive
- If the airpointer was able to boot and run without problems with a single hard drive, turn off and unplug the airpointer again, repeat steps 3 and 4, and install the new hard drive
- Replace the PC in the airpointer, reconnect all the cables and boot the airpointer
- Add the new disk to the current Raid using the Disk Manager

Repair	Repair all Raids.
Add	Add a new Drive.

- Let the airpointer run overnight to make sure that the mirroring of the hard drives is complete (the mirroring means that all the information from the old hard drive is copied to the new; depending on the amount of data on the drive, this operation can take up to several hours to complete)