

# How to set up the RAIDDRIVE

March, 2010

revision 1.1

STT Engineering

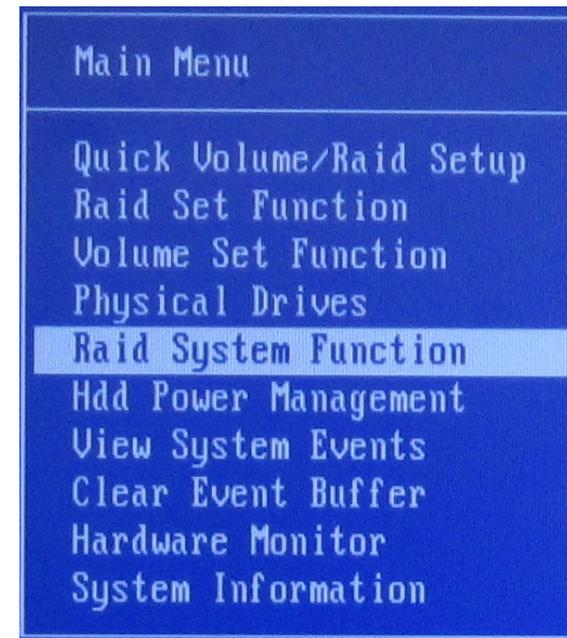
RAIDDRIVE configuration is set with Windows mode and PC environment so that the customers sometimes need to reset the RAIDDRIVE if the environment is different.

The following shows 'How to set up the RAIDDRIVE as it fits to your environment.

**First thing you need to do is 'Delete the RAIDSET' on page 4.**

On Main Menu:

1. Select 'Raid Set Function'
2. At Submenu, select 'Delete the Raid Set'
3. And follow the instruction to delete it.
4. On completion, **restart the computer.**
5. Then, reset the RAIDDRIVE as follows.

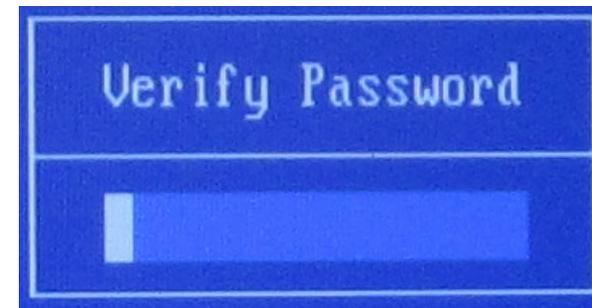
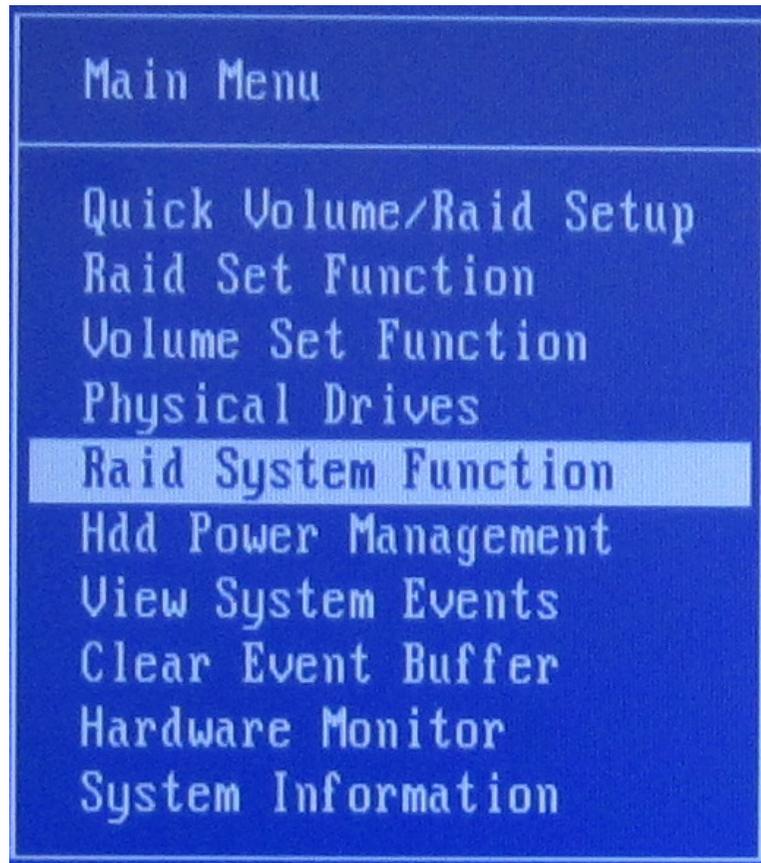


Press Tab button within 5 seconds.

```
STT-RA16 PCIExB RAID Controller - DRAM: 512(MB) / #Channels: 8  
BIOS: V1.22a / Date: 2009-09-18 - F/W: V1.47 / Date: 2009-10-22  
▶ Bus/Dev/Func=2/0/0, I/O-Port=FBBFE000h, IRQ=15, BIOS=D200:0h  
▶▶▶ No BIOS disk found. RAID controller BIOS not installed!  
▶▶▶ Press <Tab/F6> to enter SETUP menu. 5 second(s) left <ESC to skip>..
```

Press Enter button to go into the BIOS setup.

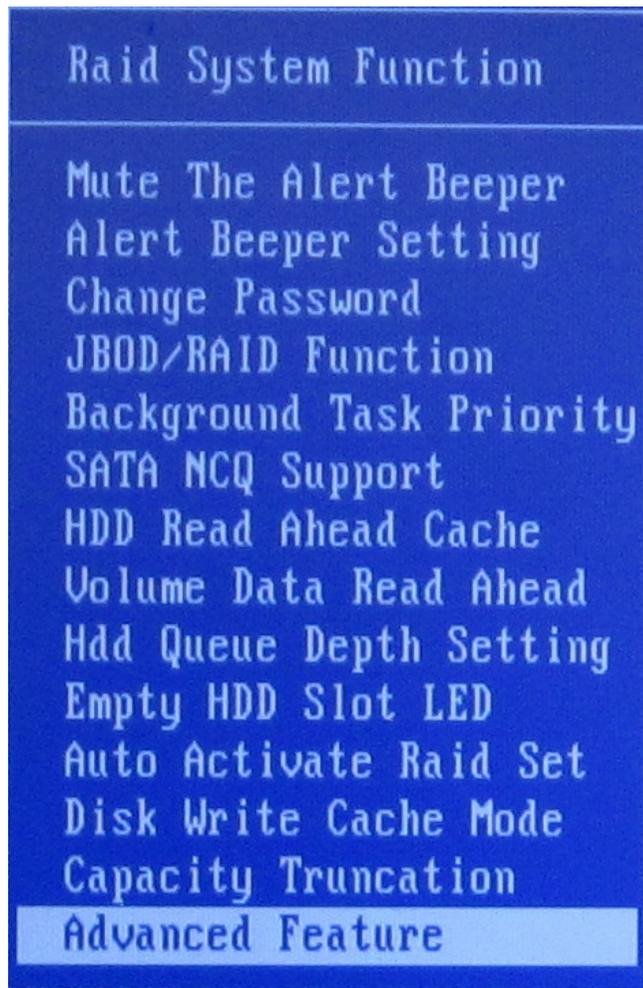
```
Select An Adapter To Configure  
  
(002/ 0/0) I/O=FBBFE000h, IRQ=15
```



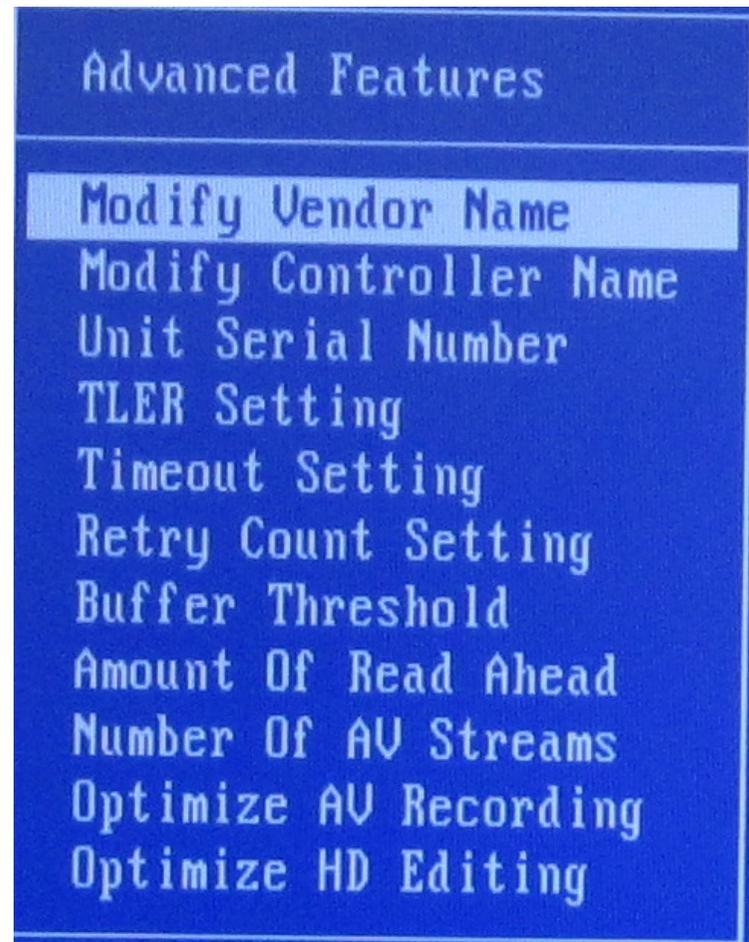
Enter the password: 531772648691052

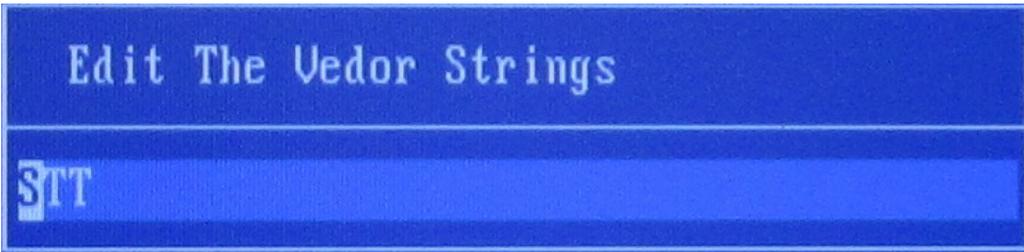
Move to RAID SYSTEM Function

Move to Advance Feature

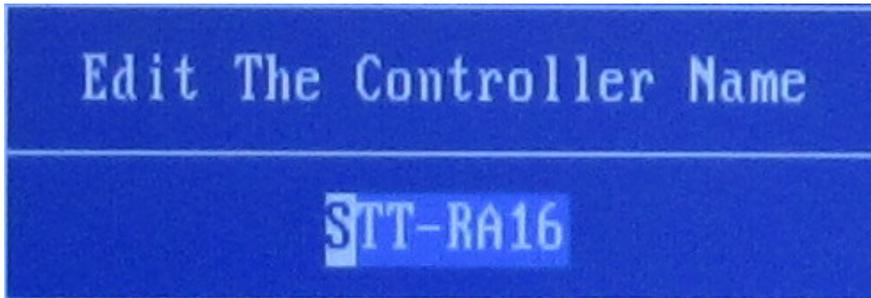


Enter Modify Vendor Name

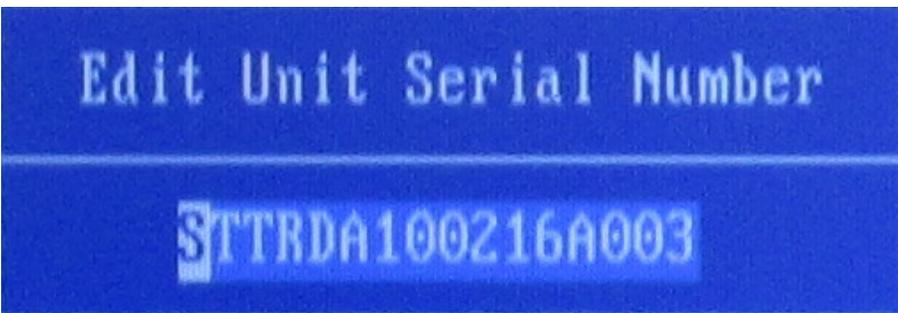




Make sure it is STT



Make sure the controller name is STTORA16

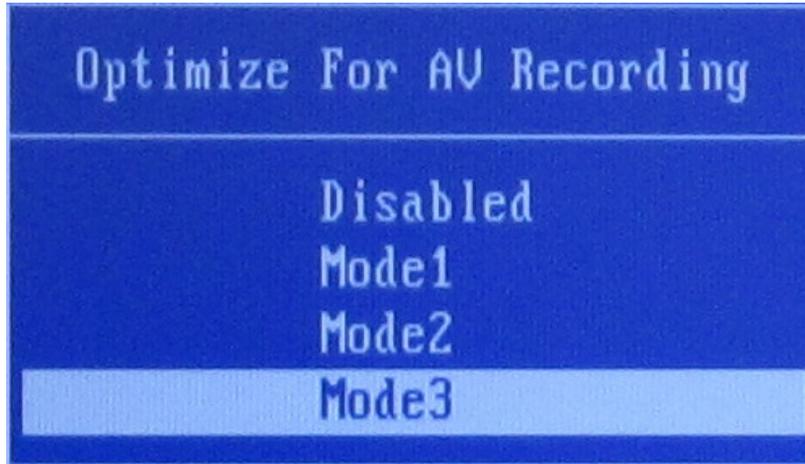


Make sure that it has the Serial Number

A screenshot of a menu titled "Number Of AV Streams". The menu lists numerical options from 6 to 256 in increments of 5. The option "31" is highlighted with a blue background.

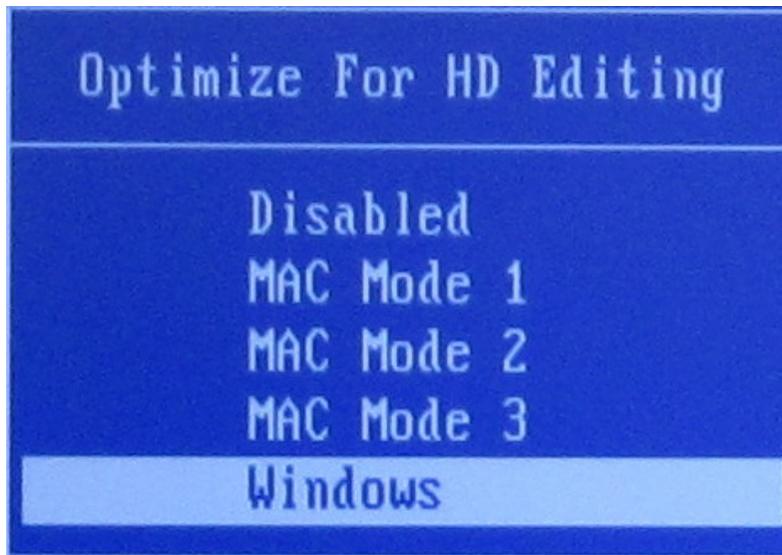
Number Of AV Streams
6
11
16
21
26
31
36
56
76
96
116
136
156
176
196
216
236
256

Default is 6.  
For A/V editing application,  
you may set it with 31.



Default is "Disabled"

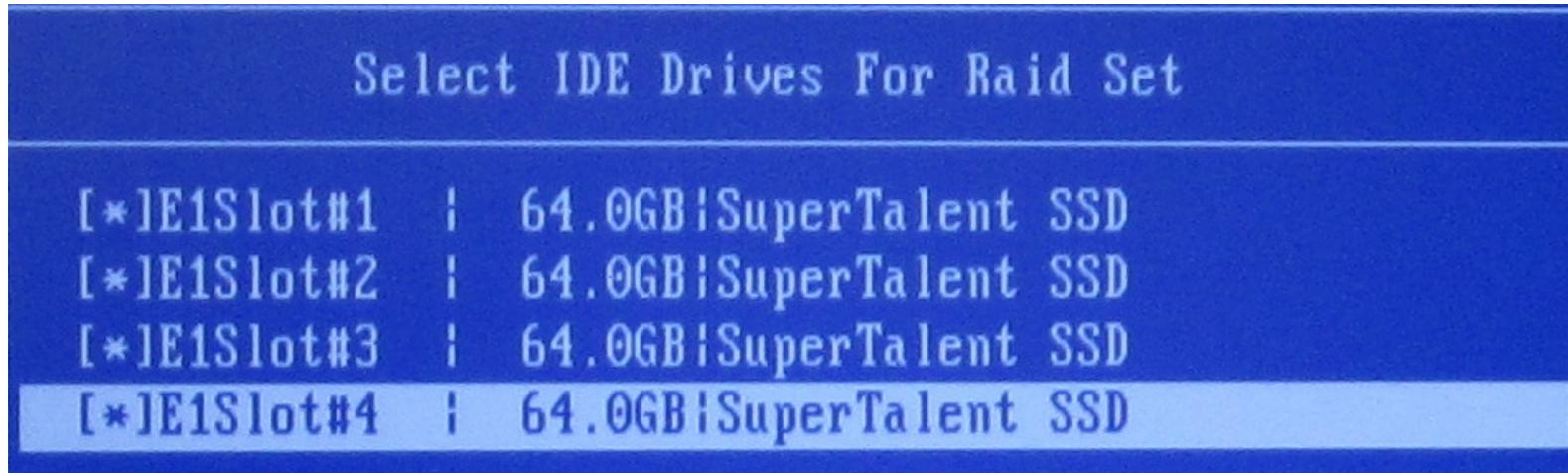
You may set with Mode 3 for AV recording



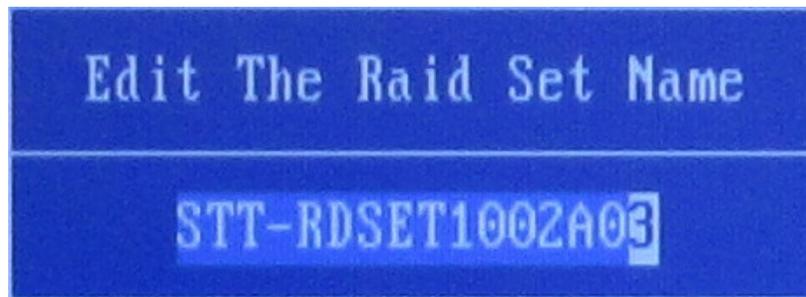
Default is "Disabled"

You may set it for your OS.

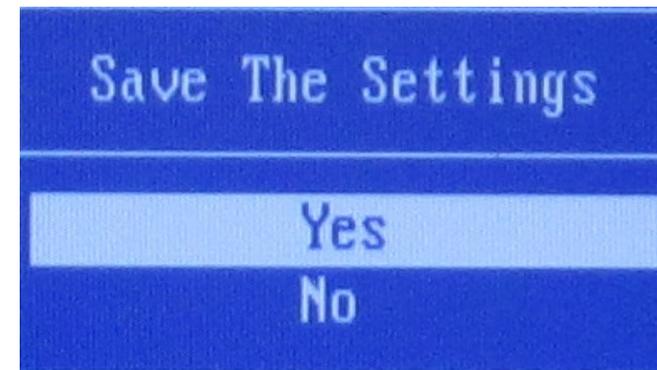
Go back to Main Menu and select the RAID SET Function



Select all available drives. (Enter button will show you “\*”)  
Then press esc button

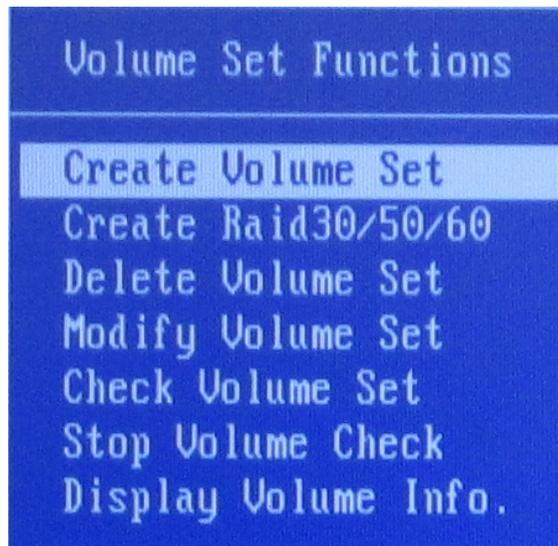


Edit the RAID Set Name as above.  
Then enter

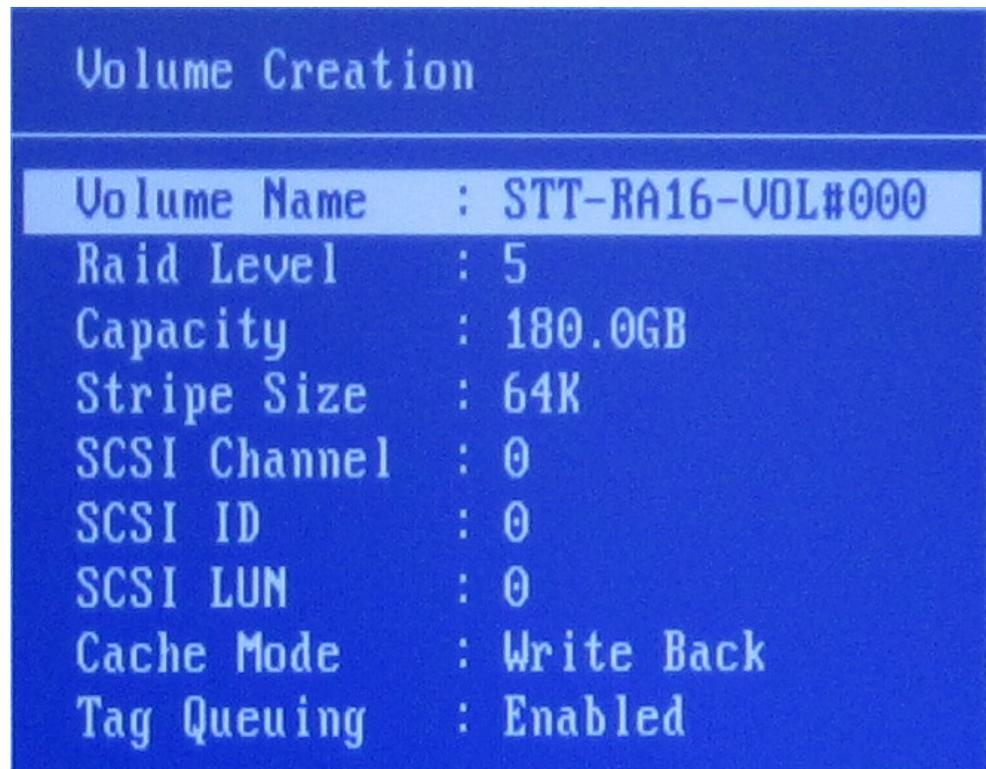


Then save it.

Go to Main Menu and  
select Volume Set Functions

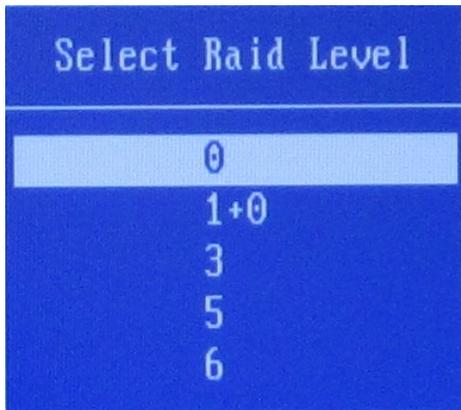


Enter the Volume to be edited.

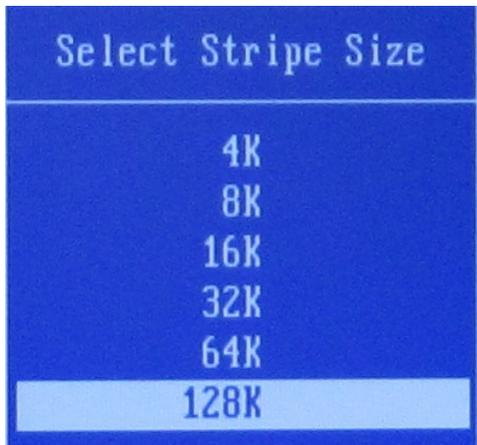




Edit the Volume as left.  
RGS0256M is just an example.  
Please refer to the STT part number.

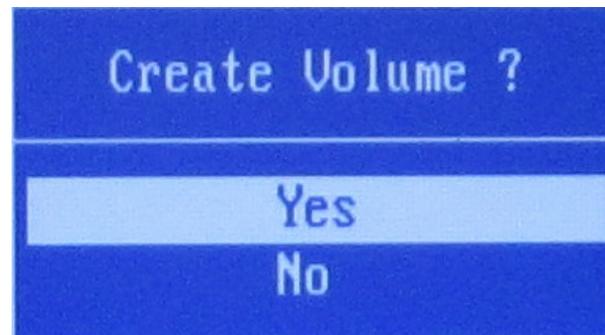


Edit the RAID level as left.  
When you set it with RAID 5 level, you may need to do  
"Foreground Initialize" It may take 10 to 40minutes.



Edit the stripe size as left.  
And Enter

Then, esc button →

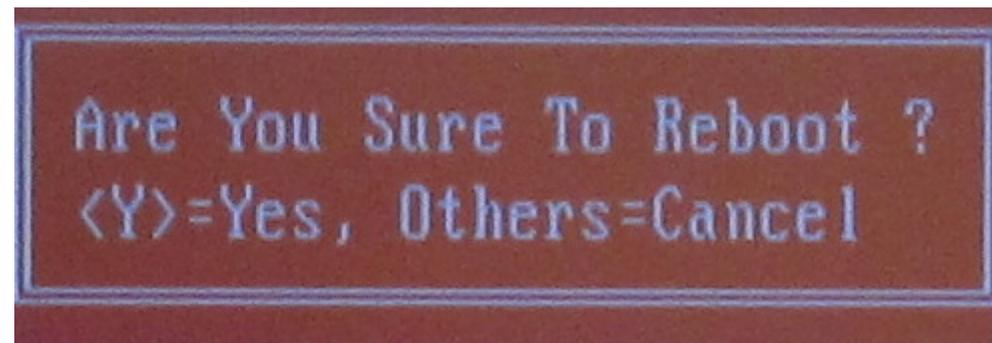


Press Enter

Now, the setting is done.

Press F10 button and the following screen will show up.

Then press “y”



## OS Installation Guide (Example: Windows 7)

- a. Turn off the power. Just disconnect the power line from your computer.
- b. Plug in RAID drive into the PCIe socket (nearest from the CPU)
- c. Plug in 4 pin molex power on the RAIDDRIVE
- d. Make sure SATA interface DVD for the OS installation.
  - PATA may not be functioning. Error message: 0x80070015.
  - See the MS website for the details.
- e. Configure the motherboard BIOS boot sequence properly.
  - i. DVD for OS disk
  - ii. RAIDDRIVE
  - iii. Others like Floppy drive,...
- f. Must configure the SATA mode as “IDE” (not AHCI)
- g. One more thing: Please use Floppy Disk Drive for driver installation.

Please contact [james.lee@supertalent.com](mailto:james.lee@supertalent.com) for further questions.