

First Window:



In this window, the user can review and alter the disk information before initializing the actual RAID Simulator.

Features:

Add:

- Step 1 - Click **ADD** button
- Step 2 - Fill all the fields
- Step 3 - Click **SAVE** button

Edit:

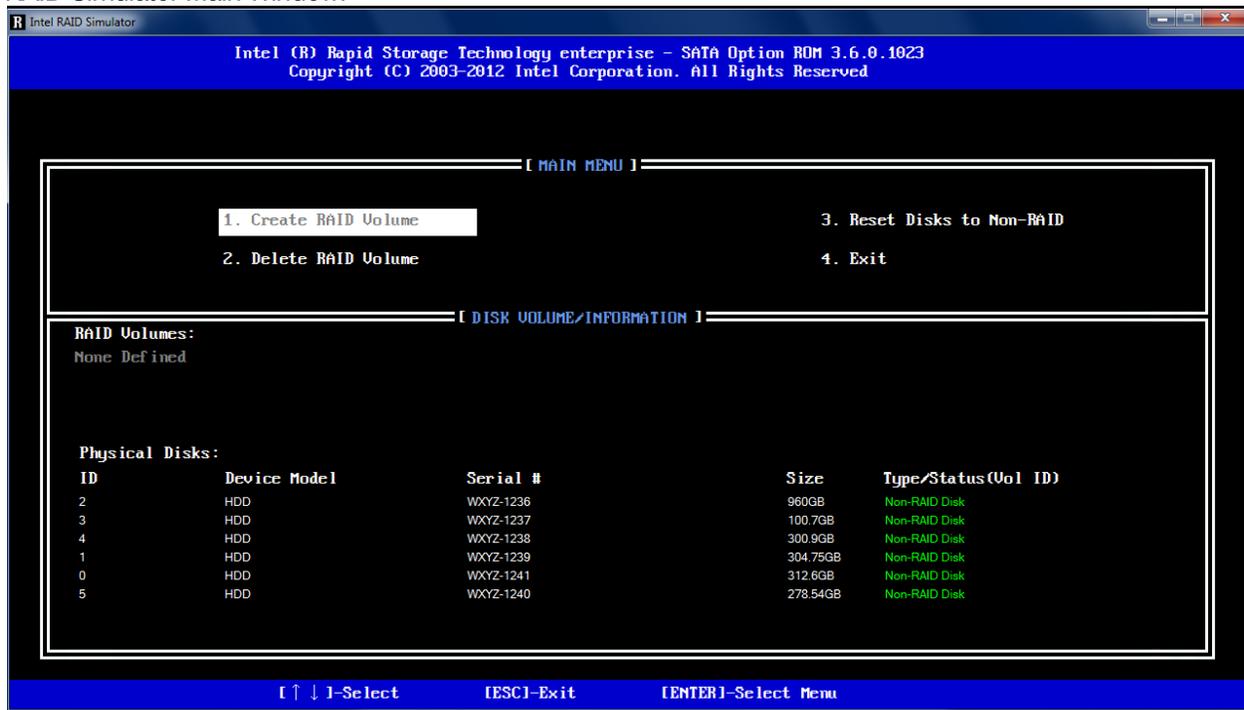
- Step 1 - Click **EDIT** button
- Step 2 - Enter the ID of the disk you wish to edit or click the row of the disk from the table.
- Step 3 - Edit the information you wish to change
- Step 4 - Click **SAVE**

Delete:

- Step 1 - Click **DELETE** button
- Step 2 - Enter the ID of the disk you wish to edit or click the row of the disk from the table.
- Step 3 - Click **DELETE** button

To start the RAID Simulator, click **START** button

RAID Simulator Main Window:

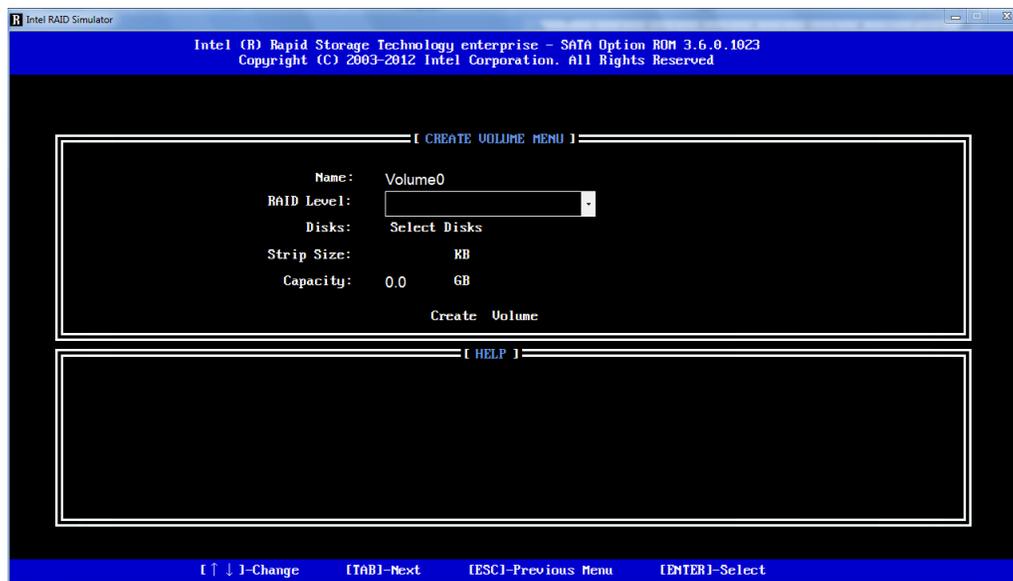


This simulator can create, delete and reset RAID configurations. It supports both full keyboard and mouse control.

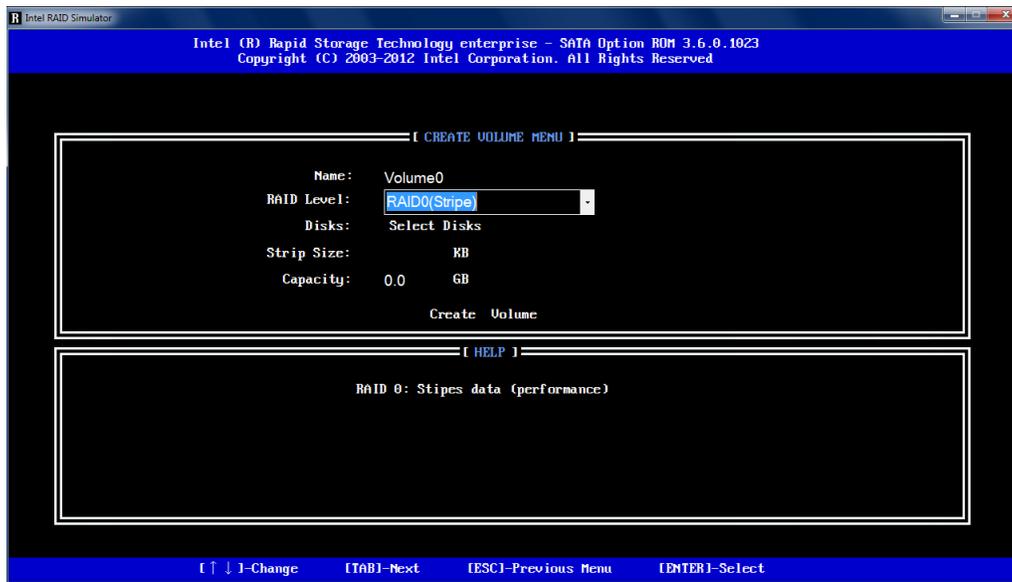
Features:

Create RAID Volume:

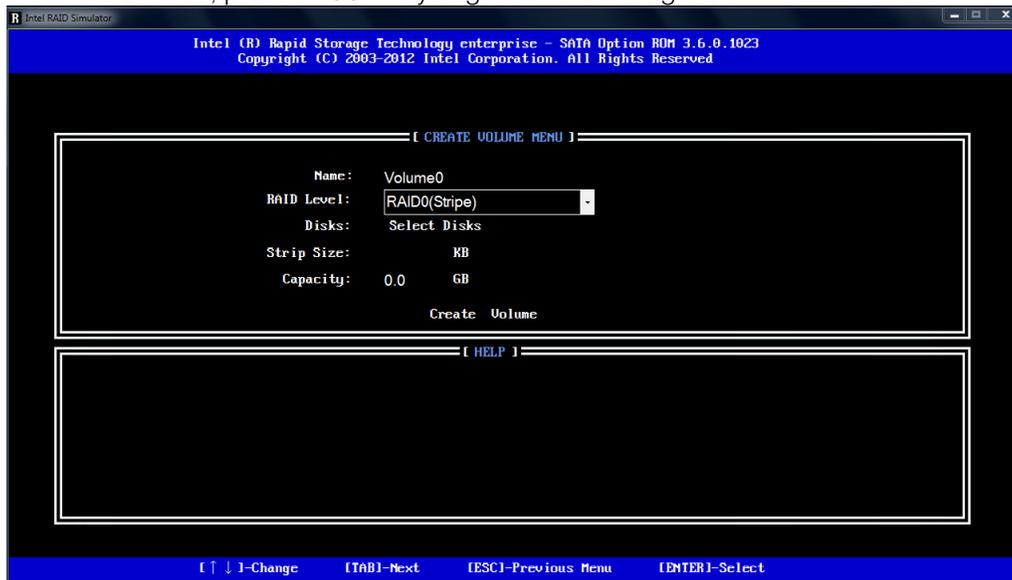
Step 1 - Choose the **Create RAID Volume** and press <Enter> key to enter the Create Volume Menu. To create a RAID volume, you can use default name (Volume0) or input a customized name of the volume. Follow the **HELP** text on the screen to get more detailed introduction of this function.



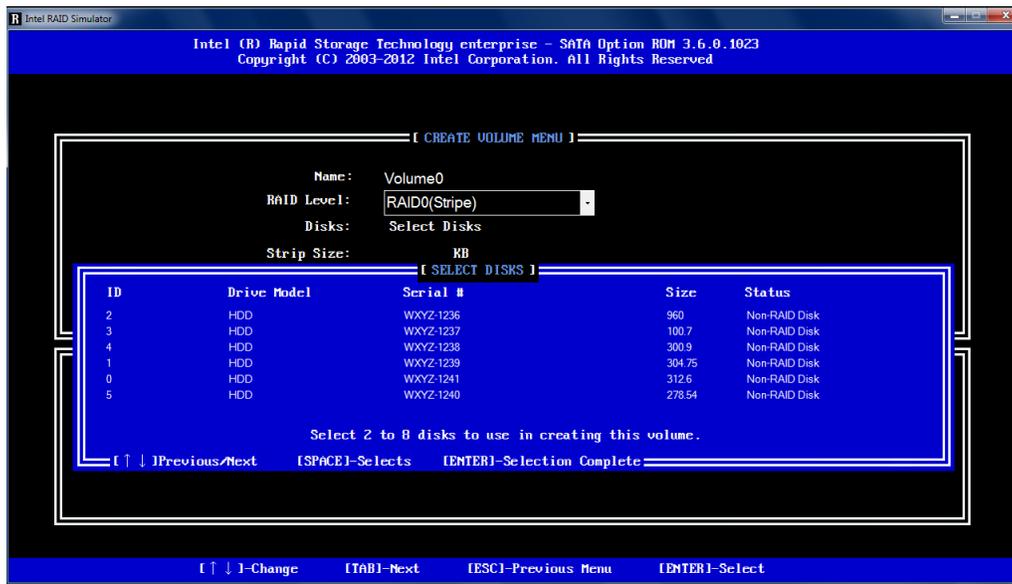
Step 2 – After inputting a volume name, press <Tab> key to go to the next setting – RAID Level. Use <Up> and <Down> arrow keys to change the RAID Level among RAID0(Stripe), RAID1(Mirror), RAID5(Parity) and RAID10(RAID0+1). Refer to the **HELP** text to get more details.



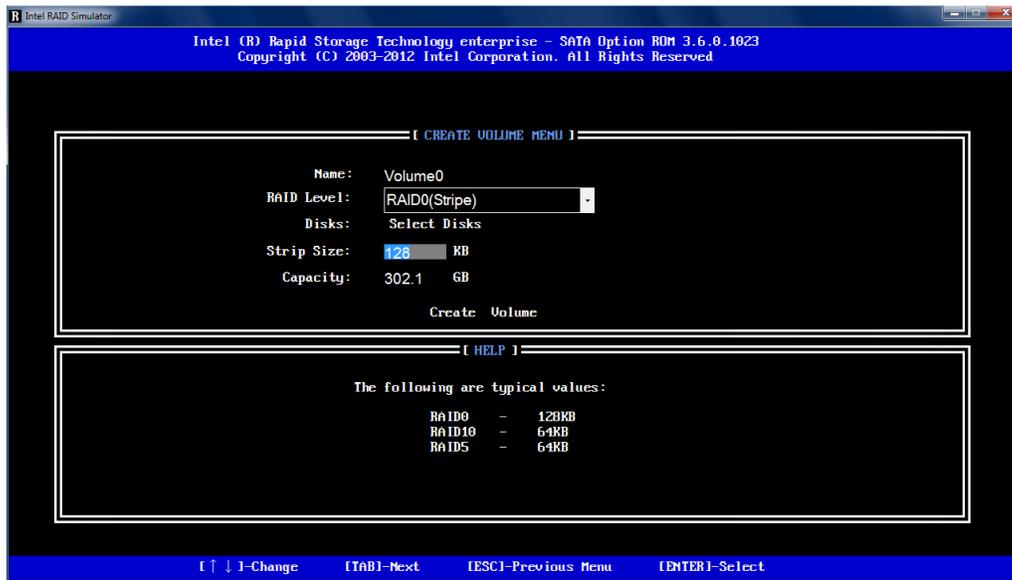
Step 3 – After the choices, press <Tab> key to go to the next setting – Disks.



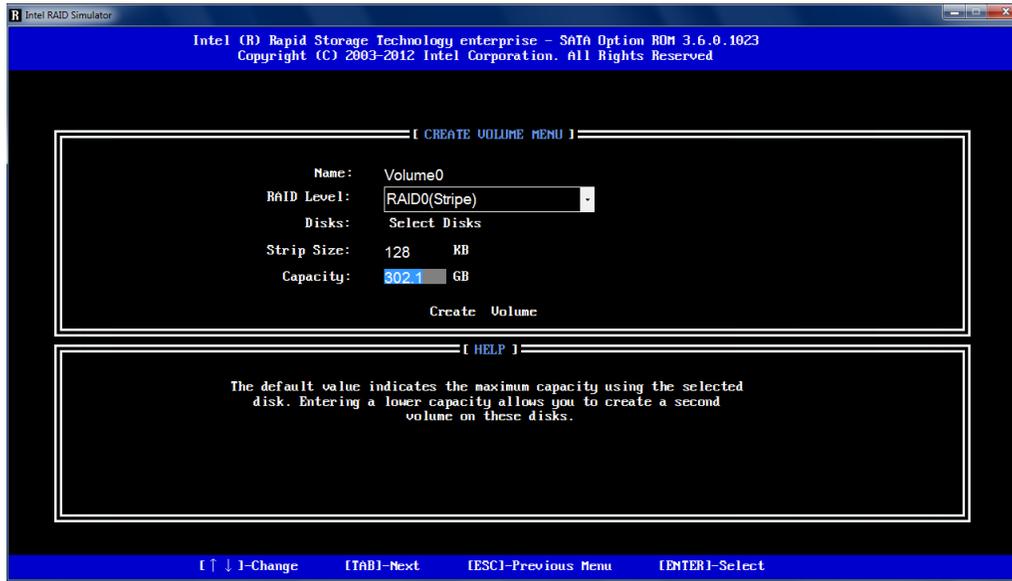
Step 4 – Press <Enter> key to enter the **Select Disk** Menu. Follow the hints at the bottom of the pop-up menu to select disks. The selected disks will have a green mark on the left side of their port numbers. After the choice, press <Enter> key and follow the text on screen to finish this step.



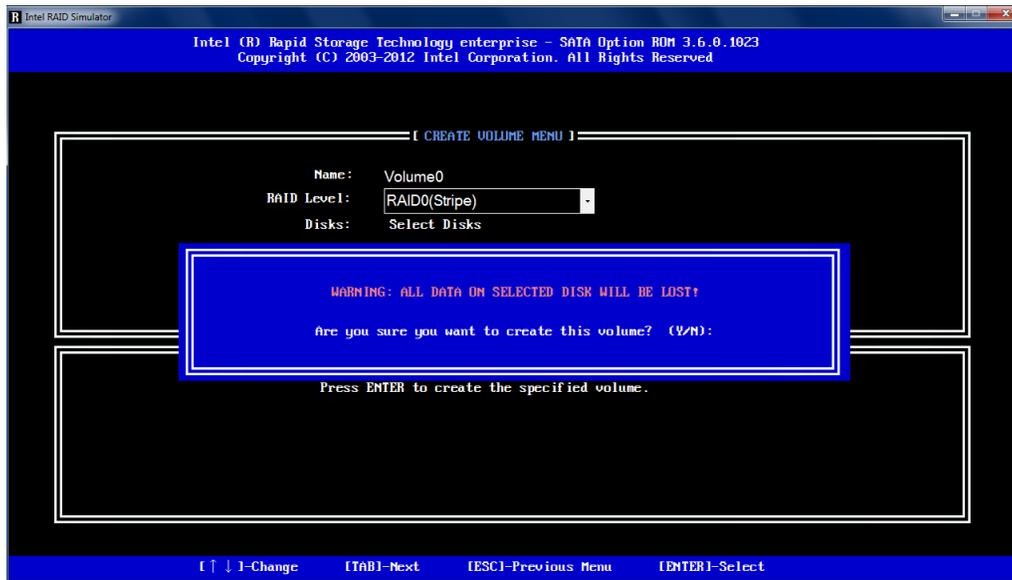
Step 5 – In the **Strip Size** option, type in the wanted strip size. If you don't know which value to choose, follow the suggestion in the **HELP** text to set the value.



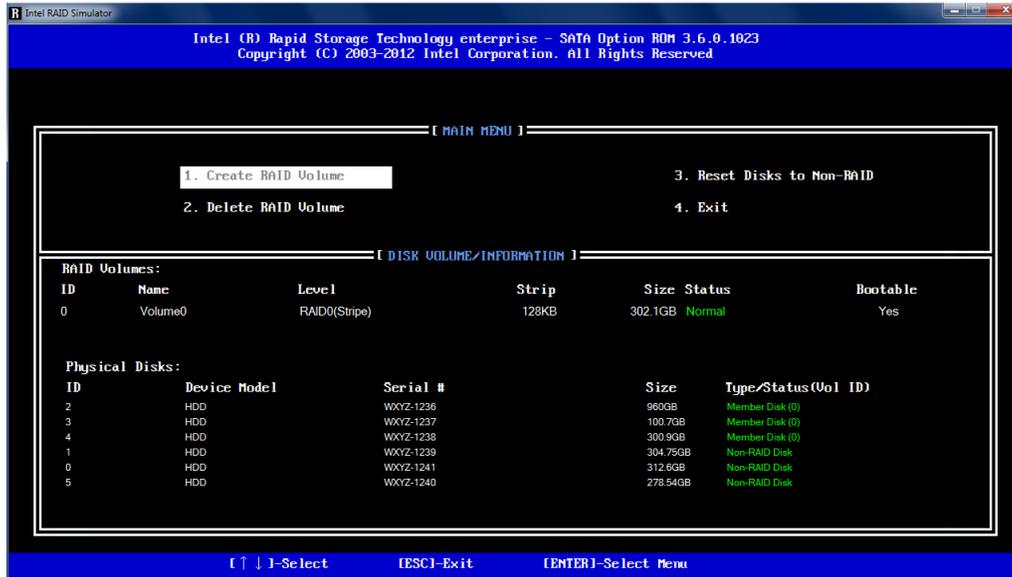
Step 6 – In the **Capacity** option, either accept the default value, which is the largest possible volume, or input a number as the volume size.



Step 7 – In the **Create Volume** option, when confirmed, press <Enter> key to create the RAID volume. A warning message will pop up on the screen. Confirm if previous data is no longer needed, and press <Y> to go on creating the new RAID volume, or press <N> to cancel the creation.

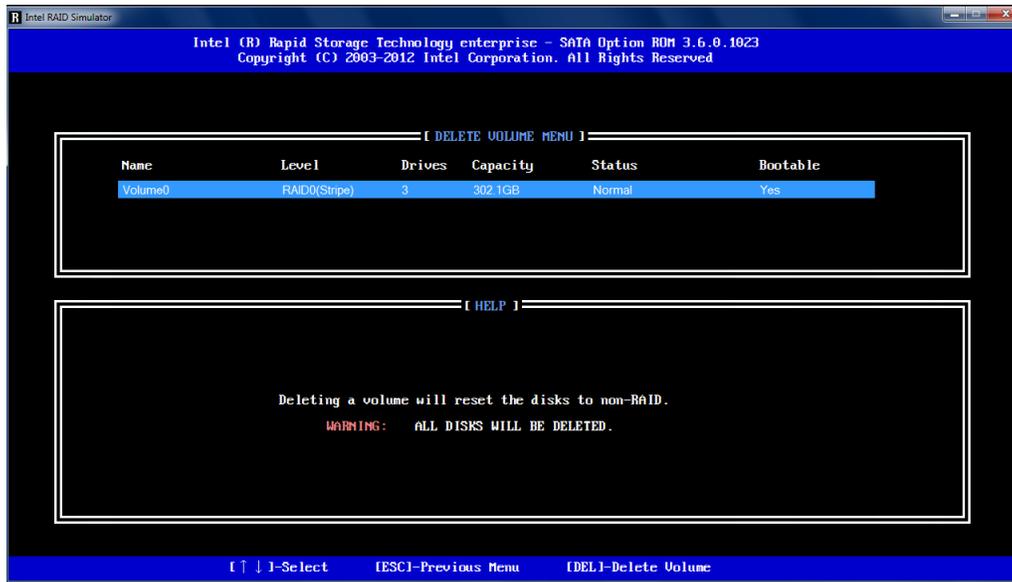


Step 8 – After the RAID volume is created, the Disk/Volume information is displayed in the middle of the main menu, listing the key information such as ID number, name, RAID level, strip size, volume, status and whether this is a bootable volume.

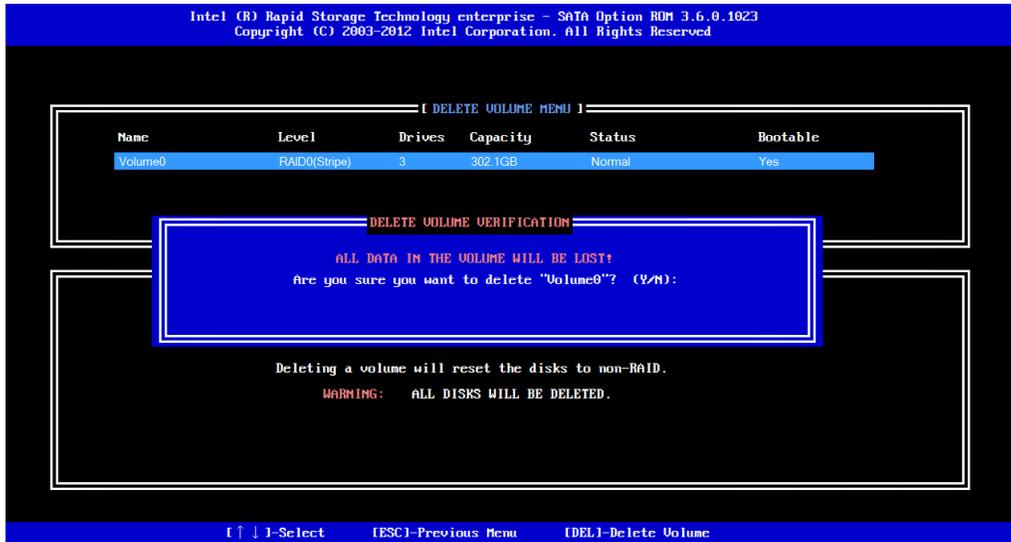


Delete RAID Volume:

Step 1 – For any RAID volume that is no longer needed, choose **Delete RAID Volume** and press <Enter> key to enter the **Delete Volume** Menu, in order to remove the volume from the Intel® RSTe.



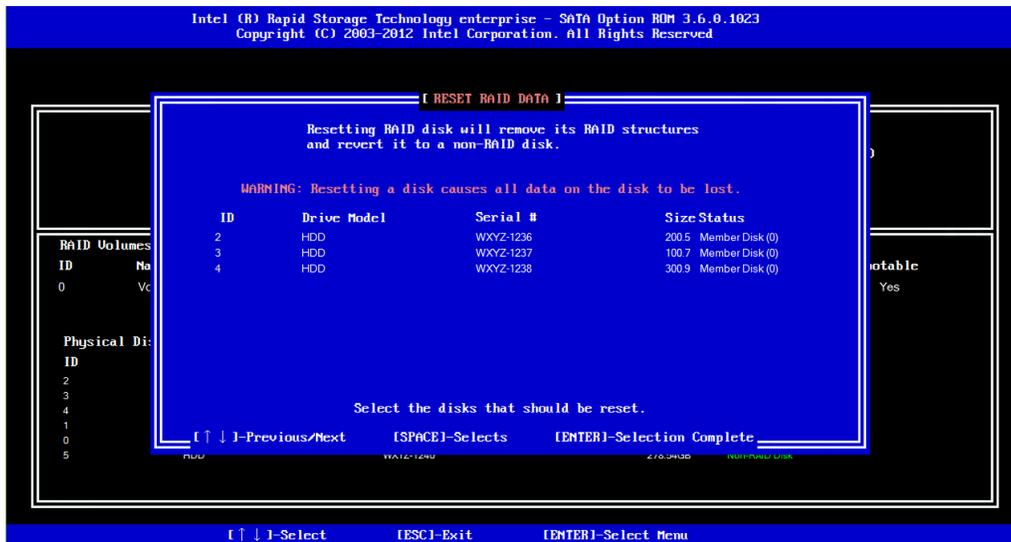
Step 2 – Use <Up> and <Down> arrow keys to select the RAID volume that is no longer needed. Press key to delete the volume. A warning message will pop up on screen.



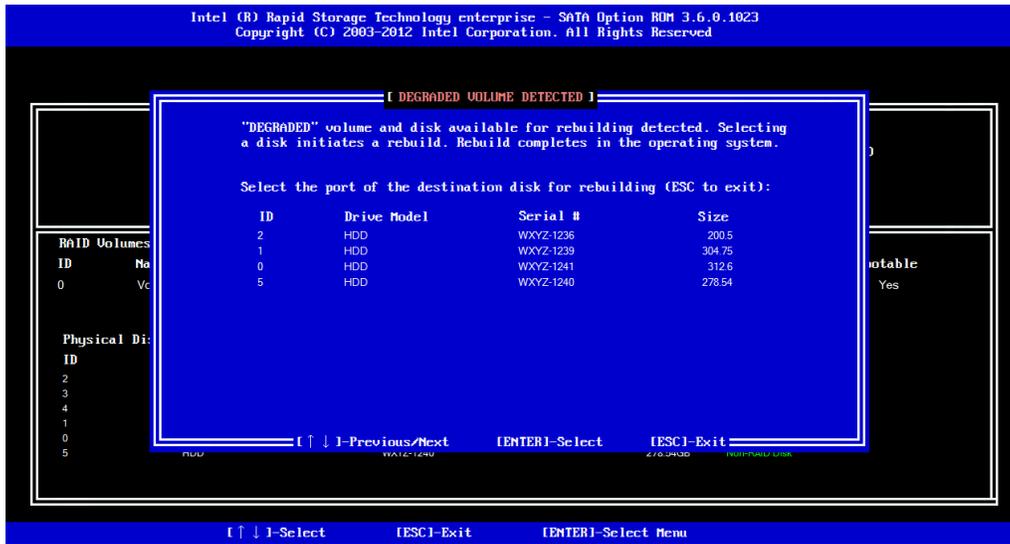
Reset RAID Volume:

This feature is used when specific disk needs to be set back to non-RAID mode. For example, in a RAID5 volume, if one disk is set to non-RAID mode, this disk can work in pass-through (non-RAID) mode, or join in the configuration of another RAID volume. The RAID5 volume will be in degraded mode due to loss of this disk, and can be rebuilt if another disk joins this RAID5 volume. This feature is useful when specific drives need to be replaced by another one.

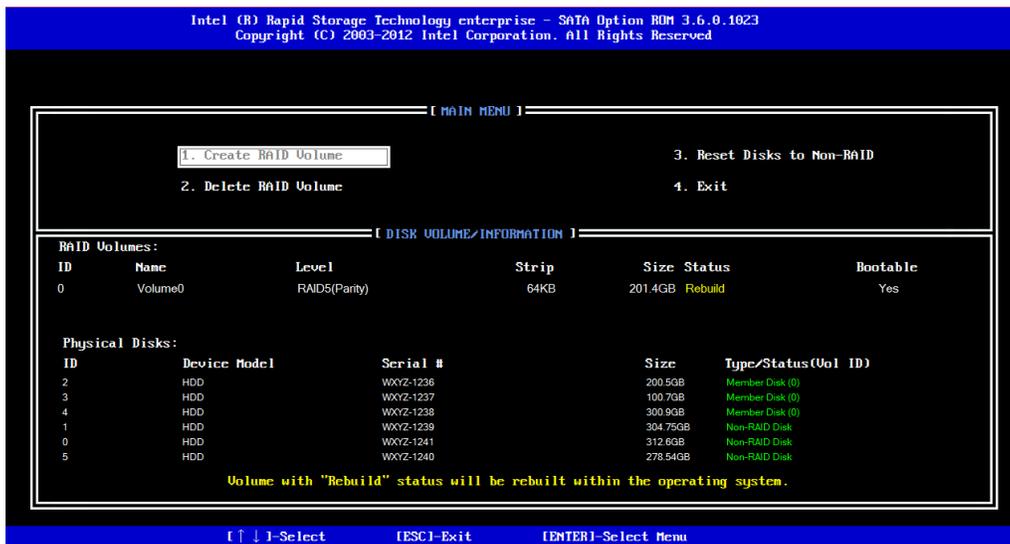
Step 1 – Choose the **Reset RAID Volume** and press <Enter> key to enter the Reset Volume Menu. Use <Up> and <Down> arrow keys to select the target disk, and press <Space> key to mark the disk with a green mark on the left side of its port number. Press <Enter> key to reset this disk. A confirmation message will pop up at the lower side of the screen.

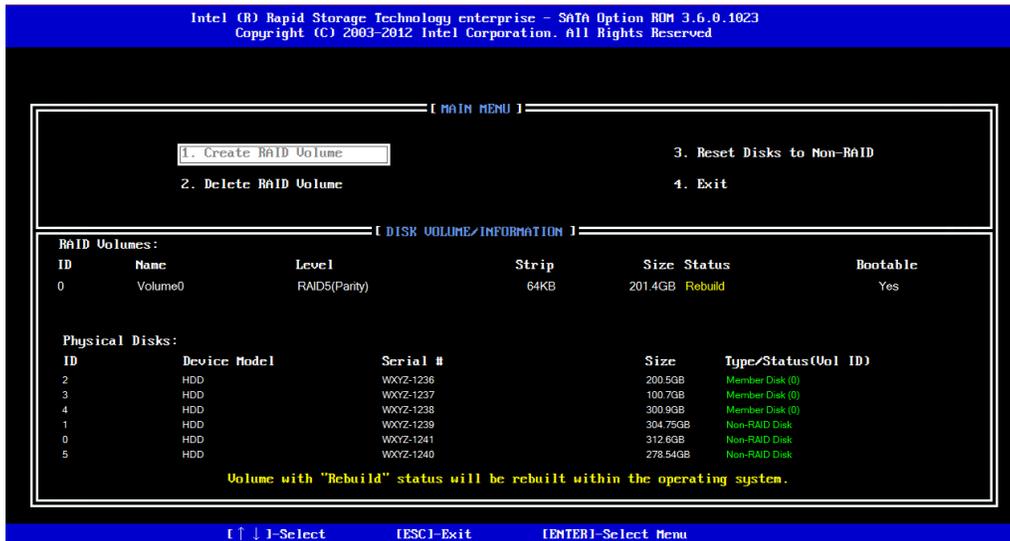


Step 2 – When confirmed, press <Y> to go resetting this disk to Non-RAID mode. After this, if system detects both a **Degraded** volume and disk available for rebuilding, a **Degraded Volume Detected** window will pop up, asking for selecting a disk to initiate a rebuild.

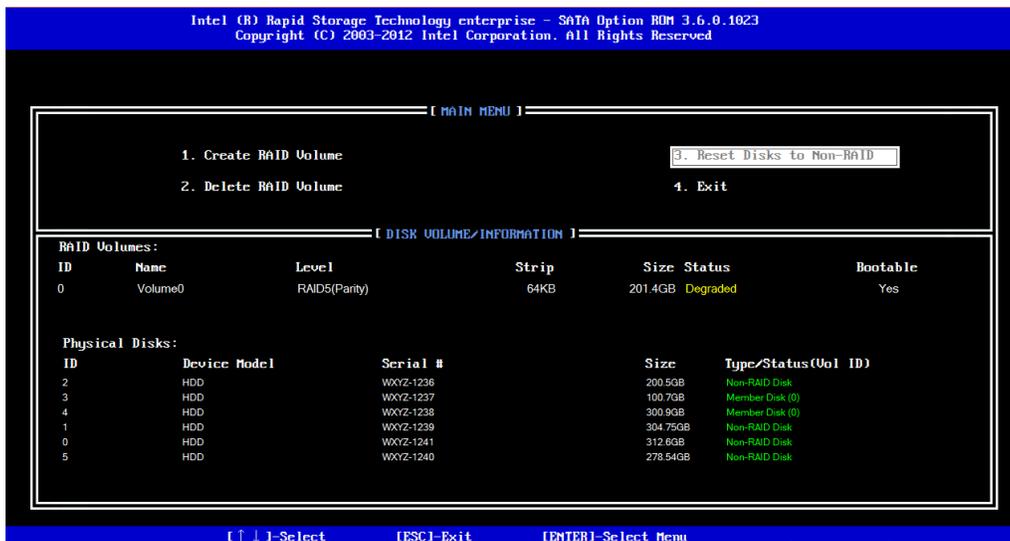


Step 3 – Choose an available disk and press <Enter> key to initiate the rebuild, or press <ESC> key to cancel a rebuild and leave the RAID volume in degrade status. The following screenshots show the RAID volume in rebuild or degrade status.





RAID volume in **Rebuild** status



RAID volume in **Degraded** status

NOTE: PC reboot is required to completely terminate, delete or move this application.