How to use Ultra Drive Firmware(1916W) Flashing Tool

Flashing Tool works on :

1)   Windows 7 (32bit, 64bit):   IDE mode only

2)   Windows XP (32bit, 64bit):   IDE mode only

3)   Windows VISTA: **No. Do not try. It will corrupt SSD.**

4)   Tool works on Single Drive IDE mode OS drive. **Not working on RAID OS.**

5)   dotnet2.0 or later version should be installed (Goole it for download)
http://www.microsoft.com/downloads/details.aspx?FamilyID=9cfb2d51-5ff4-4491-b0e5-b386f32c0992&displaylang=en

6)   UAC(User Account Control) should be OFF. Or run this tool as administrator.

7)   After running this TOOL, you may have different model name in some cases.

Flashing Tool has been tested on :

OS Disk and BIOS	South Bridge	Working
Windows 7-32bit, IDE mode	ICH8, ICH9, ICH10	YES
	AMD SB600	YES
	NVidia 570, 680	YES
Windows 7-64bit, IDE mode	ICH8, ICH9, ICH10	YES
	AMD SB600	YES
	NVidia 570, 680	YES
Windows XP-32bit, IDE mode	ICH8, ICH9, ICH10	YES
	AMD SB600	YES
	NVidia 570, 680	YES
Windows XP-64bit, IDE mode	ICH8, ICH9, ICH10	YES
	AMD SB600	YES
	NVidia 570, 680	YES

One of our beta testers tested on AMD 450 chipset and he verified this tool.
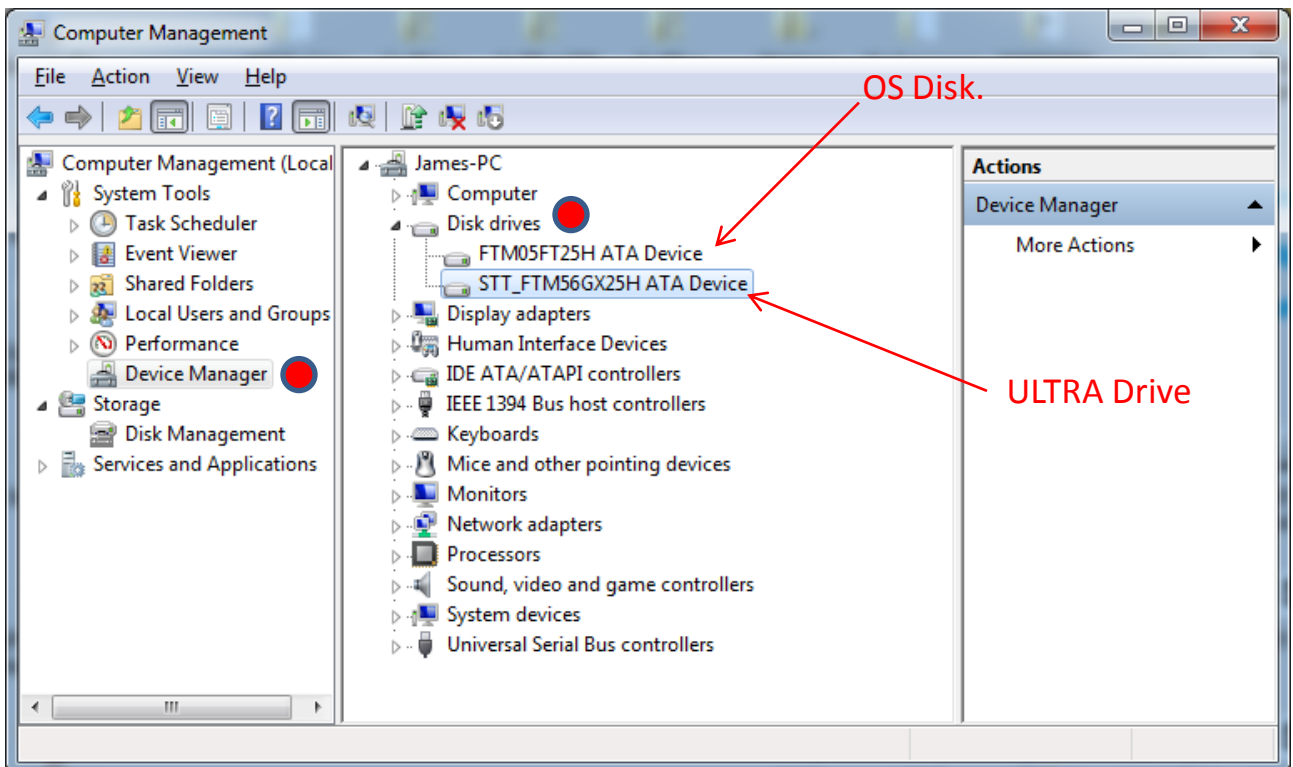
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FAQ:

1) My SSD does not show 200MB/s speed at ATTO benchmark.

➜ Performance is up to your computer south bridge chip set.

 If your computer's south bridfe is INTEL ICH7 or older, it will show you only 135MB/s

 If it is INTEL ICH8 or newer, it will show you 200MB/s+

2) Does my SSD support TRIM?

➜ Yes. Super Talent Ultra Drive GX and GX2 series support TRIM feature.

 It also has embedded garbage collection feature so that it will automatically

 reclaim the performance at Windows XP and VISTA

 For your information, Windows XP, VISTA OS do not have TRIM feature.

 TRIM feature is only available at Windows 7 and Windows server 2008.

3) At forum site, I saw some are saying 'SSD went bad and BIOS cannot detect it.

➜ This is why we are releasing new firmware 1916W.

 For users with older firmware, we strongly recommend to run this Tool as soon as possible.

 Before your SSD going bad, please run this TOOL.

 If your SSD's original firmware is 1916, you may not need this tool.

4) **Multiple Partitioning? – Very important.**

➜ We strongly recommend not to use multiple partitioning.

 It may corrupt the data.

 If you really want to use multiple partitioning, use it within 3.

 Most of defects are coming from this multiple partitioning.

5) **How do I use SSD to get the best performance:**

 AHCI mode Disk Alignment for XP users.

 Fresh OS installation (Do not use ghost)

 Single logical Partition (At Windows 7, System Reserve partition is not counted)

 OS update. Microsoft driver is better performing than INTEL driver for some reason. (???)
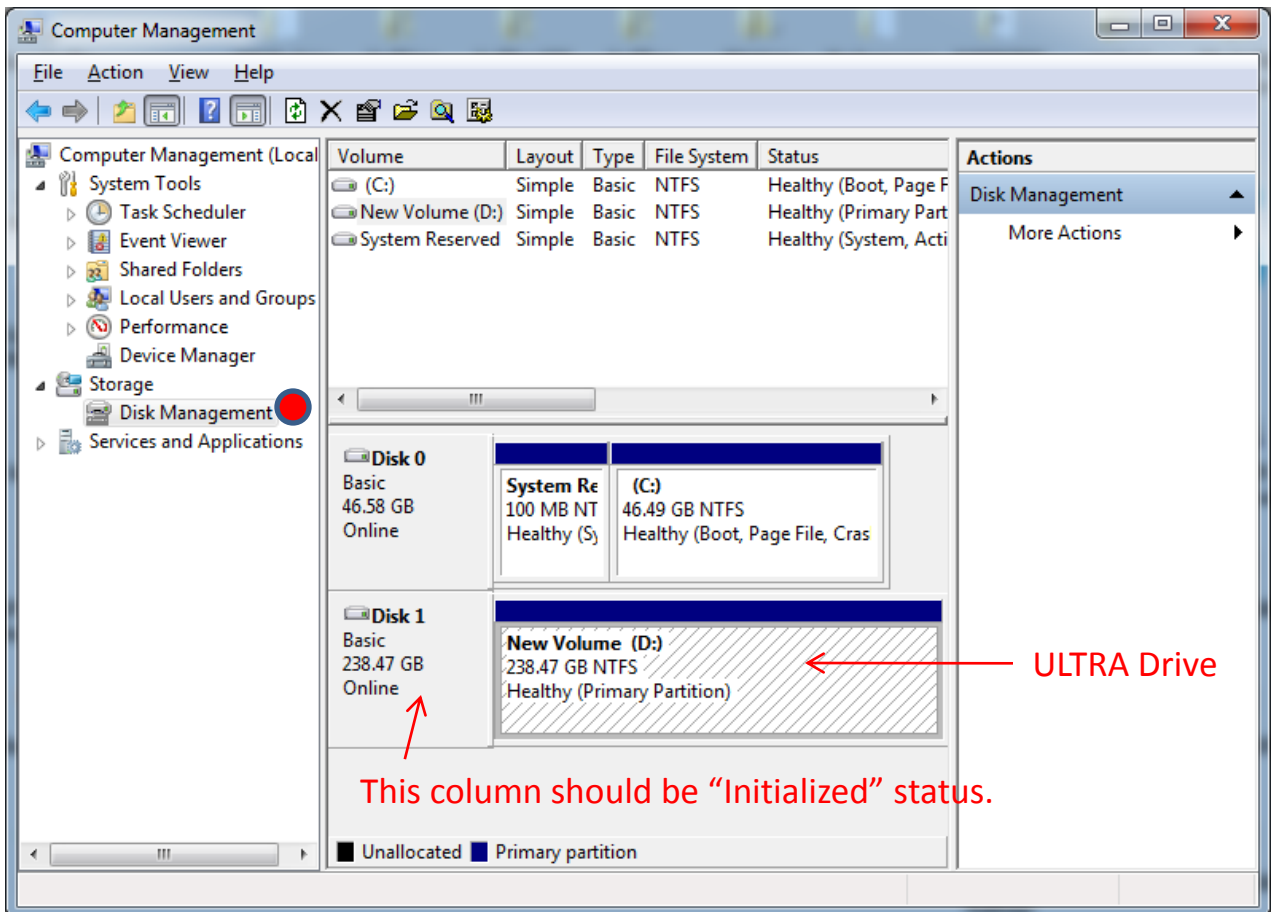
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1. Preparation:

    1) Download the tool from the website and unzip it.

    2) Read 'How to use Ultra Drive Firmware (1916W) Flashing Tool.pdf'

    3) Back up the data in your ULTRA Drive.

    4) Follow the instruction step by step.

2. After you finish the preparation, Re-Boot your PC in IDE mode from OS disk.

    1) Copy the downloaded file on to your HDD. (on OS disk)

    2) Connect the ULTRA Drive to your PC.

    3) Go into 'computer management' and verify your Ultra Drive.

        a) Click Start Button ➔ Right Click 'computer'➔ Select 'manage'

   b) Click Device Manager➔ double Click Disk drives

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3. Click Disk Management
    1) Disk 0 is OS disk partition.
    2) Disk 1 is ULTRA Drive partition.
        a. Right click the Ultra Drive partition and Select 'Delete Volume'
        b. At Windows 7, select 'Delete volume'
        c. At Windows XP, select 'Delete partition'

ULTRA Drive

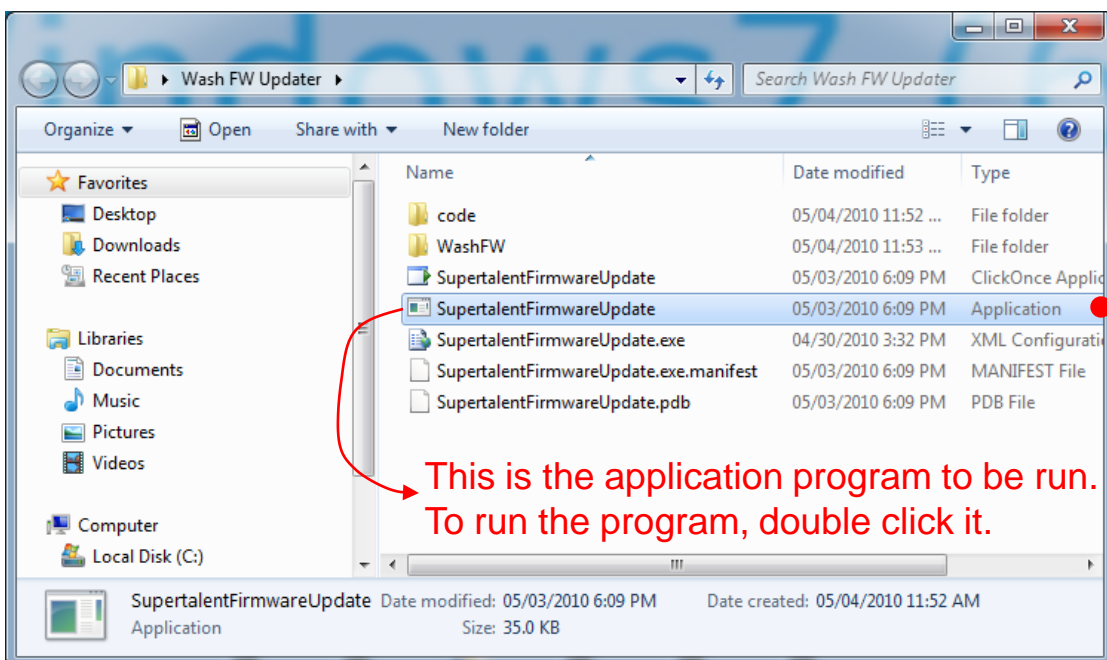This column should be "Initialized" status.

Then, press Yes button
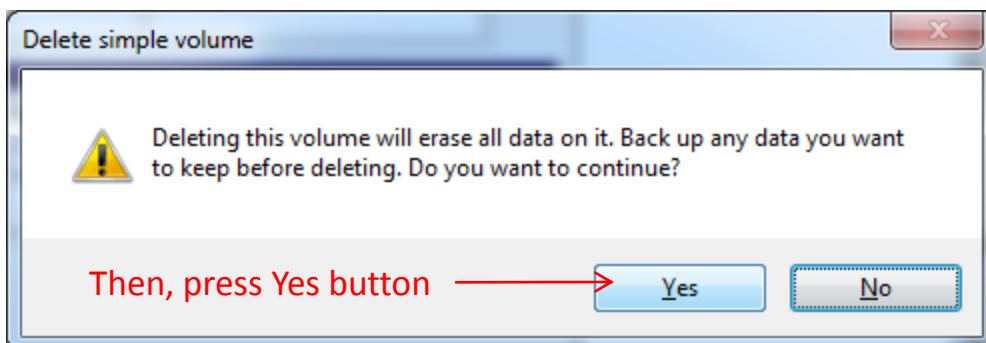
How to use Ultra Drive Firmware(1916W) Flashing Tool

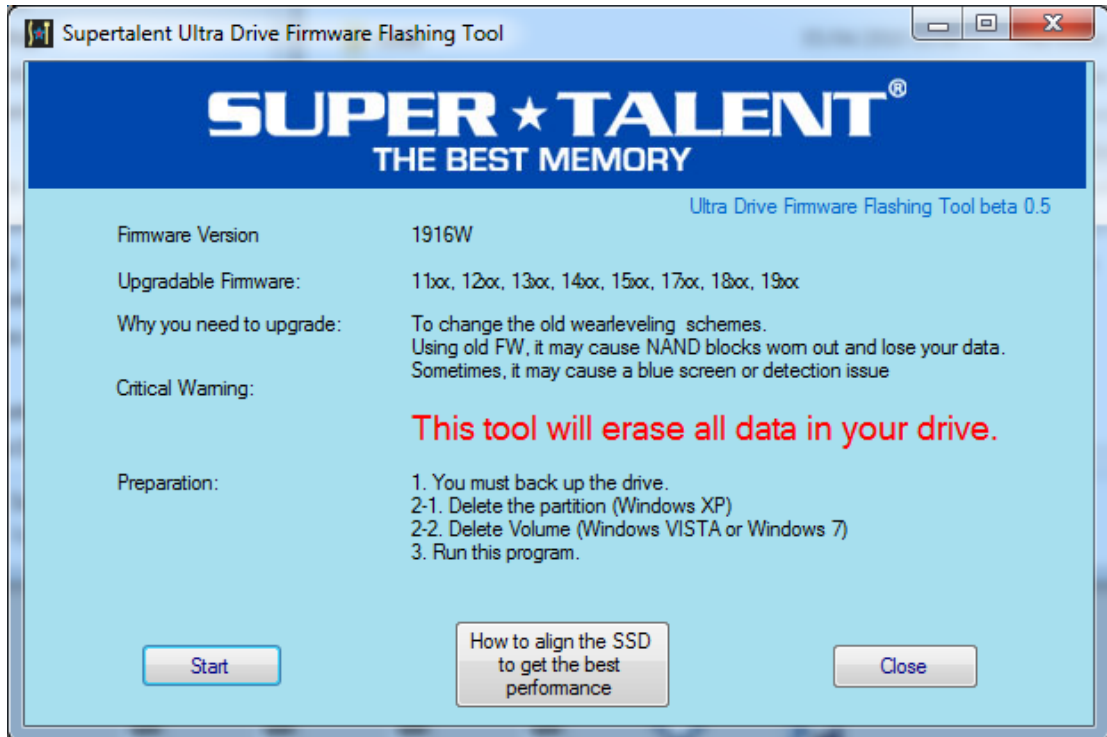4. Then, the partition will be removed as shown on the following screen.
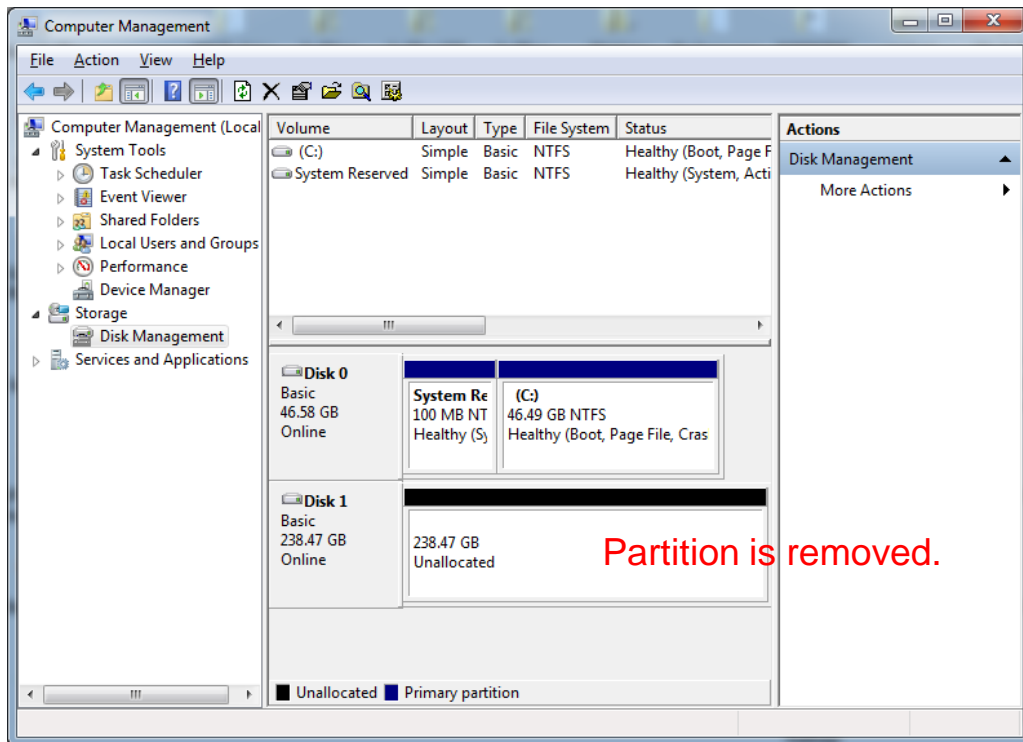
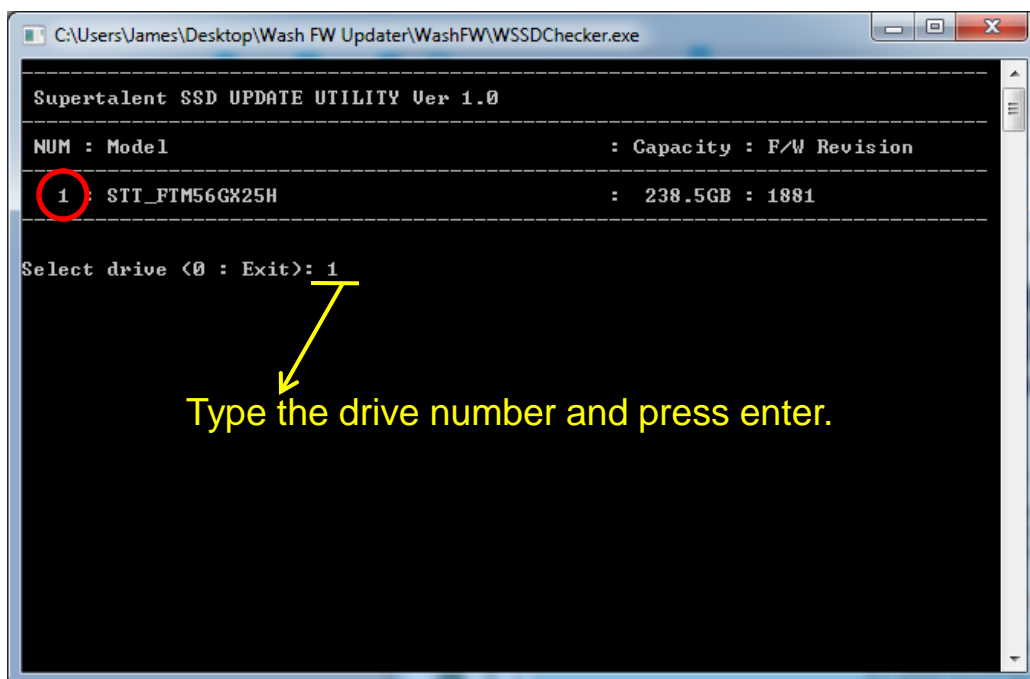5. Now, it is ready to run the downloaded file. – Unzip the downloaded file.

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6. Super Talent Ultra Drive Firmware Flashing Tool will pop up as follows:

7. Click Start button above and the following screen will show up.

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8. Then the next screen will show up.

```
C:\Users\James\Desktop\Wash FW Updater\WashFW\Channel\080102.exe

1. If the drive is running in AHCI mode,
   do not update the firmware.
2. For proper operation in Windows Vista,
   User Account Control should be turned off.
3. Do not terminate the program while the firmware is being updated.
4. Remove any partition on the target drive before proceeding.

List of storage devices:

drive 0
        serial = P123456-AAAA-000002
        firmware revision = sttrc1
        model number = FTM05FT25H
        type = hard disk
        size = 97696368 sectors (46.6GB)
        WARNING: This drive has partition table.

drive 1
        serial = T80D98CLR4FIGB11Q46U
        firmware revision = 1881
        model number = STT_FTM56GX25H
        type = hard disk
        size = 500118192 sectors (238.5GB)
                                                    1) Type 1 and press enter.
Enter the number of target drive: 1
WARNING: The target drive is going to be erased.
All data in it will be permanently lost and not be recoverable.
                                                    2) Type y and press enter.
Press Y and Enter to proceed. y
Firmware is being updated...Size of SDRAM is 64 MB
₩
                                      3) Back slash symbol will rotate.

SSD firmware has been successfully updated.
It is recommended that you reboot the computer or unplug the target SSD now.
_
                          4) On cursor, press enter key to exit.
```

9.   Let's go back to the Tool folder.
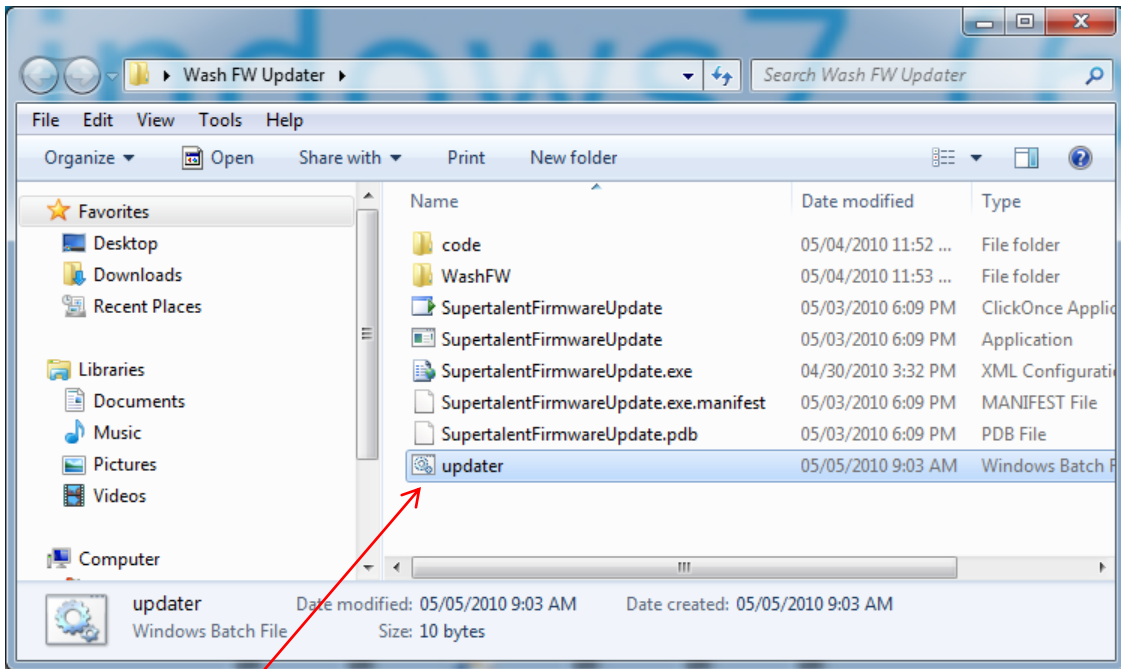
One new file 'updater' has been generated.
Right click it and select edit. Then the next screen will show up.
Now you can see Your SSD code name for future use.
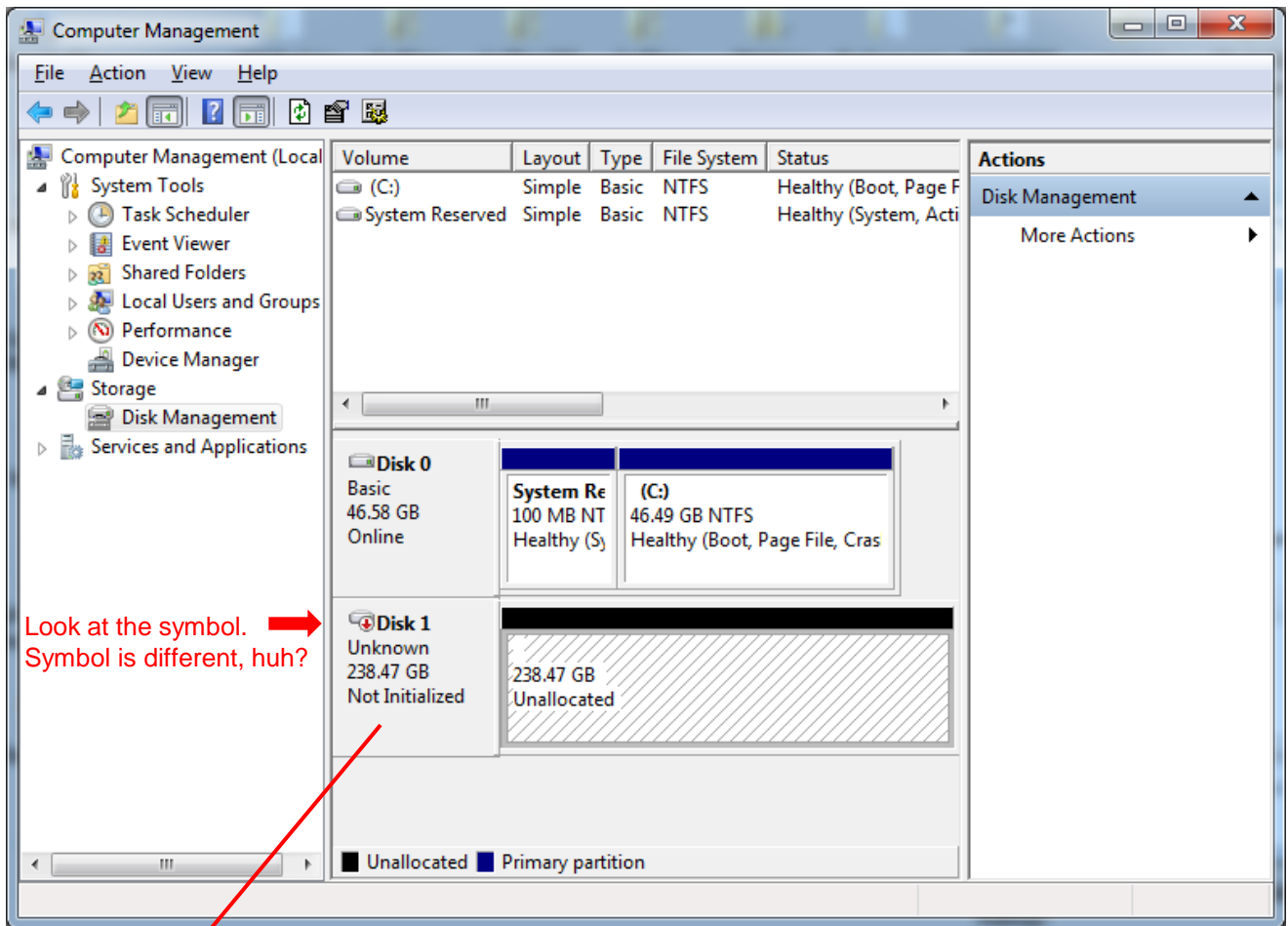This code name is the best information for tech support.
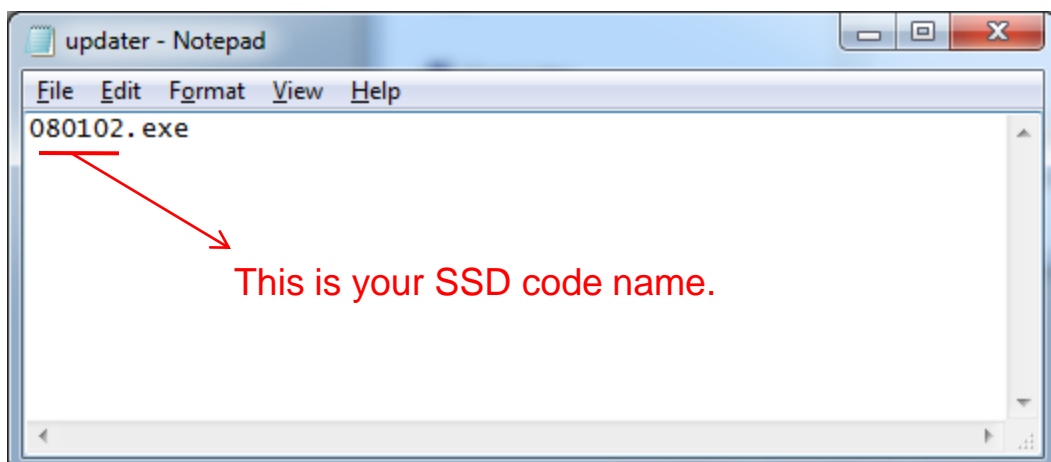
This is your SSD code name.

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10. Let's go back to 'Computer Management' window.

    1) You may see the difference.

SSD is now 'uninitialized' status.
It means the SSD is fresh and clean status.

To install the OS on this SSD, turn off the power and insert the OS install disk. See the following page for each OS.

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11. Installation of OS.

  1) Windows 7 and Windows VISTA

    a. Insert the OS disk and go into Computer BIOS

    b. Set the BIOs SATA mode as 'AHCI' mode for the best performance

    c. Set the Boot sequence as DVD, SSD, others.

    d. Save and exit the BIOS.

    e. Start the installation.

    f. Please click the 'How to align the SSD ...' button to make SSD aligned. (Very important at Windows XP)

  2) Windows XP.

    a. Please do the right disk alignment.

    b. Initialize the disk and format it.

    c. Insert Windows XP installation disk and restart the computer

    d. Set the BIOS as above and save and exit the BIOS.

    e. Start the installation

    f. Select the C: drive for the OS installation partition.

    g. Continue and finish the installation.

  3) MAC OS.

    a. Connect the SSD with 'Un-Initialized' status.

    b. And follow the installation manual.

    c. ULTRA Drive is perfectly working on APPLE MAC BOOK and PRO.

For further questions, please refer : www.supertalent.com