

# 1. Creating a RAID/AHCI driver disk

When you install Windows® XP operating system on a hard disk drive that is included in a RAID set or is set to the AHCI mode, you need a floppy disk containing the RAID/AHCI driver. For Windows® Vista operating system, use either a floppy disk or a USB flash drive with the RAID/AHCI driver.



---

**NOTE:**

- The motherboard does not provide a floppy disk drive connector. You could use a USB floppy disk drive when installing Windows® XP operating system on a hard disk drive that includes a RAID/AHCI set.
  - Due to Windows® XP limitation, Windows® XP may not recognize the USB floppy disk drive when you install the RAID/AHCI driver during the OS installation. To go around this limitation, refer to **2. Using a USB floppy disk drive**.
- 

## 1.1 Creating a RAID/AHCI driver disk in DOS mode

To create a SATA RAID/AHCI driver disk in DOS mode:

1. Turn on your computer and press **<Del>** during POST to enter the BIOS setup utility.
2. Set the optical drive as the primary boot device.
3. Place the motherboard support DVD into the optical drive.
4. Save the changes and exit the BIOS setup utility.
5. From the menu that appears, select an option to create a RAID/AHCI driver disk.
6. Insert a formatted floppy disk into the floppy disk drive then press **<Enter>**.
7. Follow the onscreen instructions to complete the process.

## 1.2 Creating a RAID/AHCI driver disk in Windows®

To create a SATA RAID/AHCI driver disk in Windows®:

1. Turn on your computer.
2. Place the motherboard support DVD into the optical drive.
3. Select your RAID/AHCI driver on the **Make Disk** menu.
4. Insert a formatted floppy disk into the floppy disk drive.
5. Follow the onscreen instructions to complete the process.



---

**NOTE:** Write-protect the floppy disk to protect it from virus.

---

## 2. Using a USB floppy disk drive

Due to Windows® XP limitation, Windows® XP may not recognize the USB floppy disk drive when you install the RAID/AHCI driver during the OS installation.

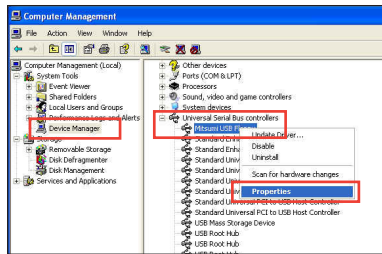
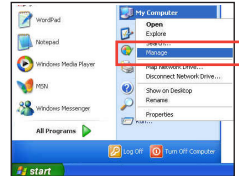
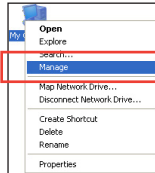
To go around this limitation, add the USB floppy disk drive's Vendor ID (VID) and Product ID (PID) to the floppy disk containing the RAID/AHCI driver.

To add the VID and PID to the floppy disk with the RAID/AHCI driver:

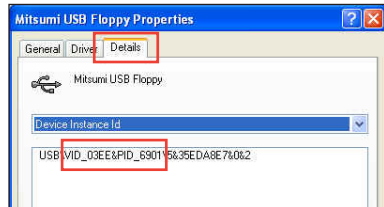
1. Using another computer, plug the USB floppy disk drive and insert the floppy disk containing the RAID/AHCI driver.
2. From the Start menu or on the Windows® desktop, right-click **My computer** then select **Manage**.
3. Go to **Device Manager > Universal Serial Bus controllers**. Right-click **xxxxxx USB Floppy**, then select **Properties**.



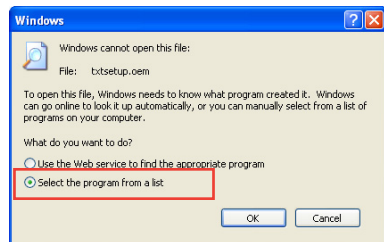
**NOTE:** The name of the USB floppy disk drive varies depending on the vendor.



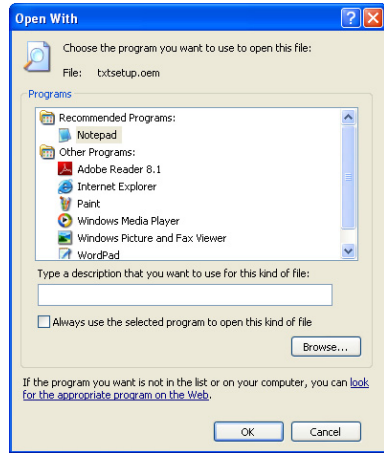
4. Select the **Details** tab. The Vendor ID (VID) and Product ID (PID) are displayed.



5. Browse the contents of the RAID/AHCI driver disk to locate the file **txtsetup.oem**.
6. Double-click the file. A window appears, allowing you to select the program for opening the oem file.



7. Use Notepad to open the file.



8. Find the **The following lines give additional USB floppy support** sections in the `txtsetup.oem` file.
9. Type the following line to the bottom of these sections:  
`id = "USB\VID_xxxx&PID_xxxx", "usbstor"`

```
#--The following lines give additional USB floppy support
id = "USB\VID_03F0&PID_2001", "usbstor" #--HP
id = "USB\VID_054C&PID_002C", "usbstor" #--Sony
id = "USB\VID_057B&PID_0001", "usbstor" #--Y-E Data
id = "USB\VID_0409&PID_0040", "usbstor" #--NEC
id = "USB\VID_0424&PID_0FDC", "usbstor" #--SMSC
id = "USB\VID_08B0&PID_1100", "usbstor" #--Iomega
id = "USB\VID_055D&PID_2020", "usbstor" #--Samsung
id = "USB\VID_03EE&PID_6901", "usbstor" #--Mitsumi
```



---

**IMPORTANT:** The number of times that the **The following lines give additional USB floppy support** section appears in the `txtsetup.oem` file varies depending on the chipset. Add `id = "USB\VID_xxxx&PID_xxxx", "usbstor"` to all these sections.

---



---

**NOTE:** The VID and PID vary with different vendors.

---

10. Save and exit the file.