



XFX

play hard.

How to made a DOS Bootable USB Stick and flash your VBIOS

In this PDF guide we will show you how to make your USB stick bootable, enabling you to save your original VBIOS, then flash the new VBIOS provided, to your XFX Graphics card.

Please note that while we try to make this procedure as easy as possible XFX cannot be held responsible for any issue caused by a Bad Flash, as we cannot control the environment in which the Flash is done.

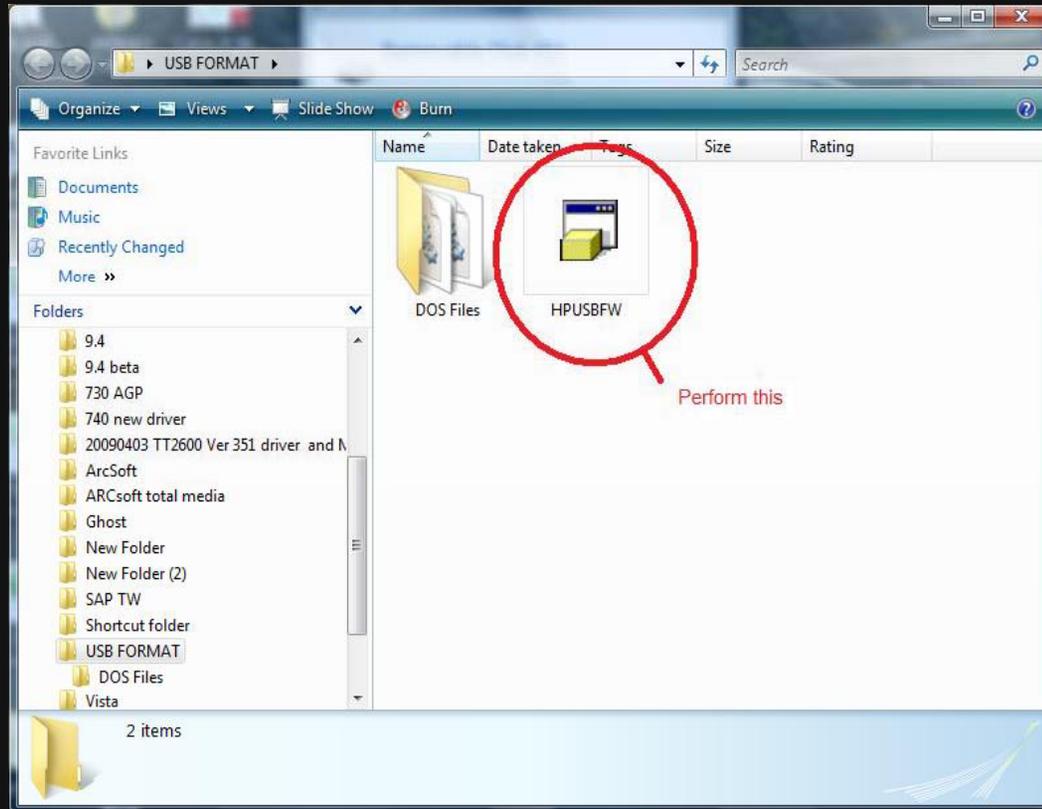
Please note:

This VBIOS included in this guide is just for an example, and yours may differ.
Before proceeding any further, please ensure you backup your original USB stick files



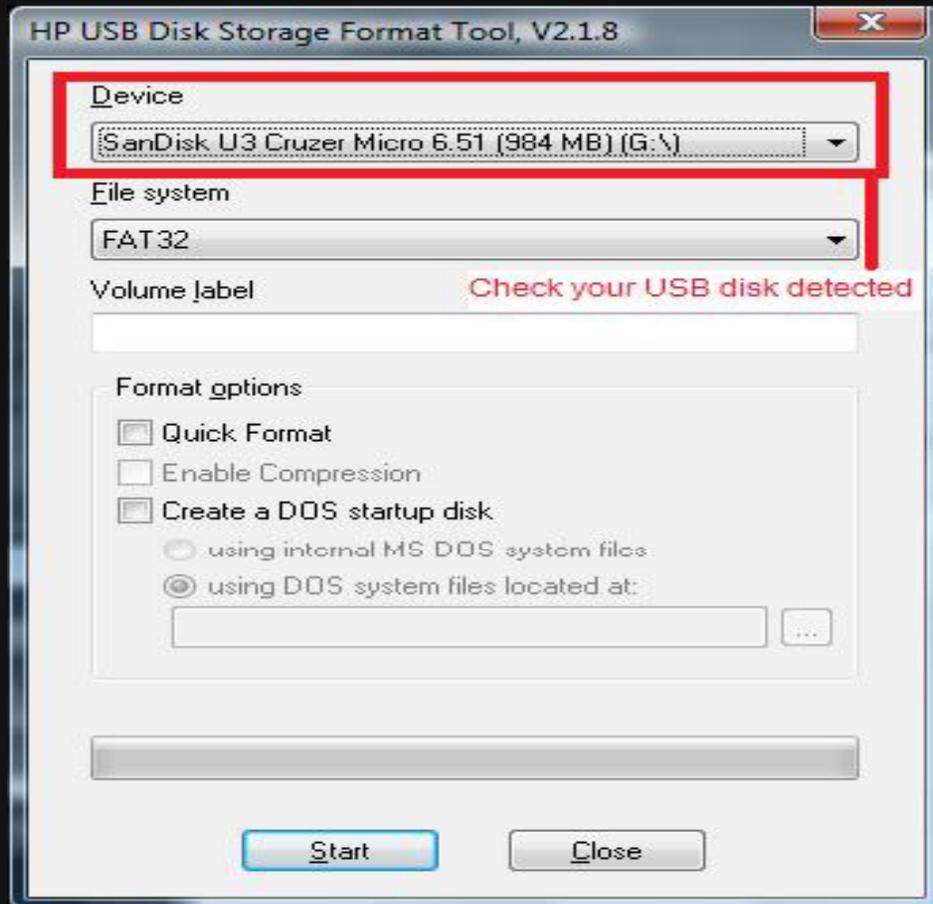
STEP 1

- Download the USB FORMAT ZIP File from the XFX Support Website
- Unzip the file to a suitable location, such as your desktop
- Install the HP USB Format program



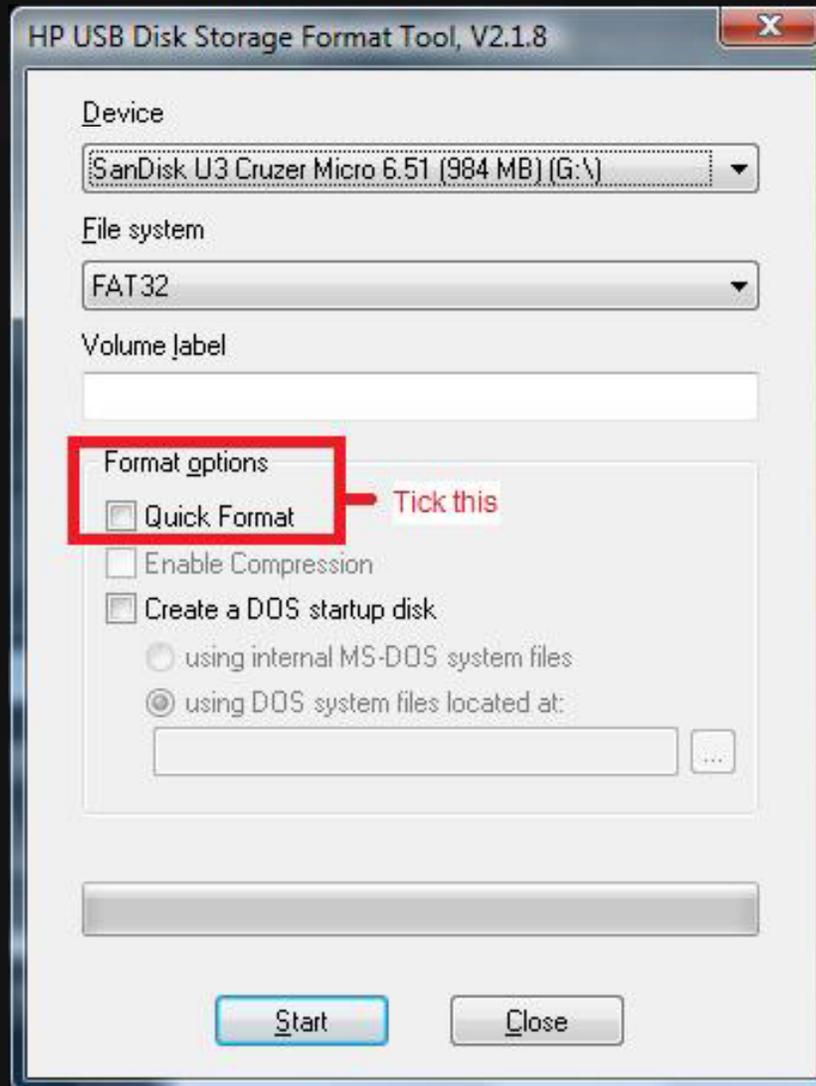
STEP 2

- Connect your USB stick to your Computer, and then run the HPUSBFW program
- Check your USB Stick has been detected by the program



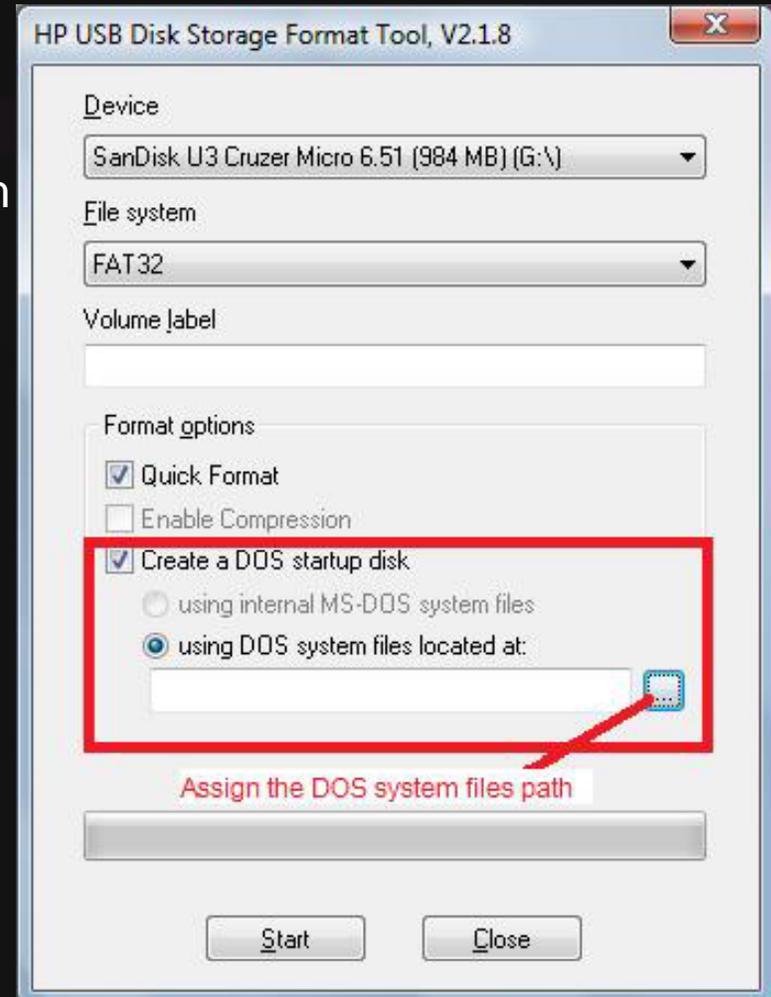
STEP 3

- Tick the Quick Format box



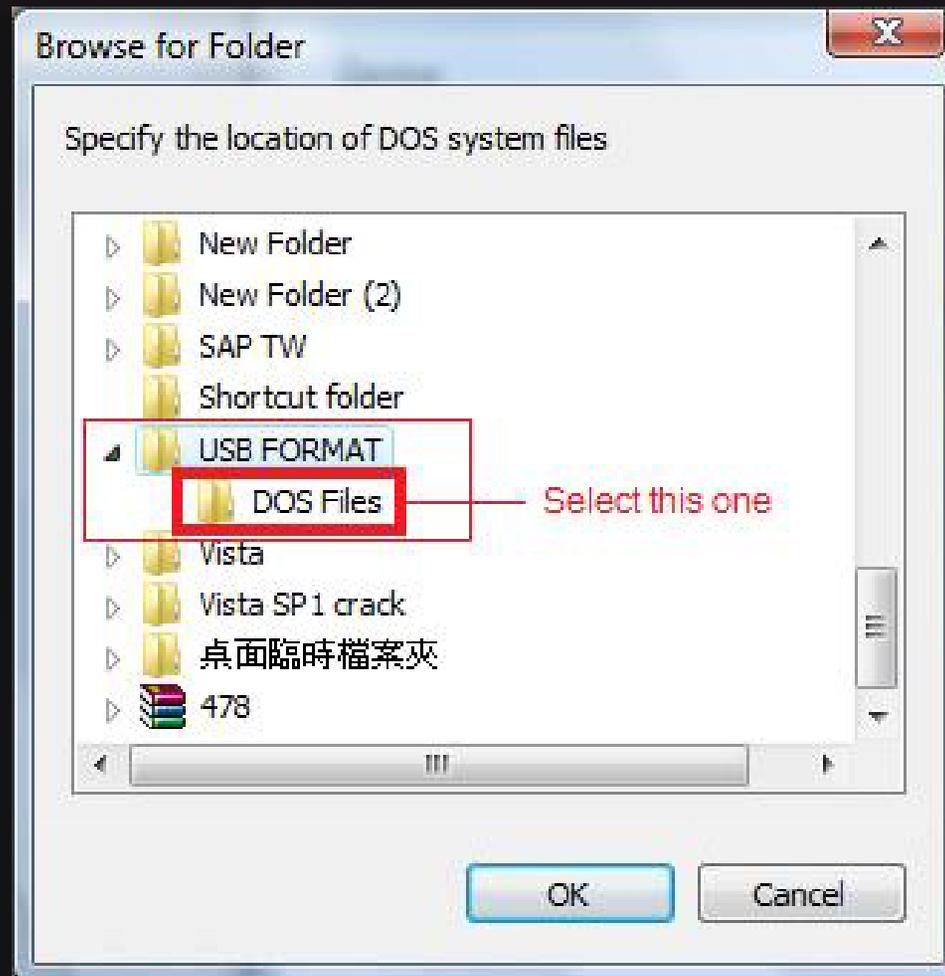
STEP 4

- Tick the Create a DOS Startup Disk
- Then tick “use DOS files located at”
- Then click the button shown to assign path



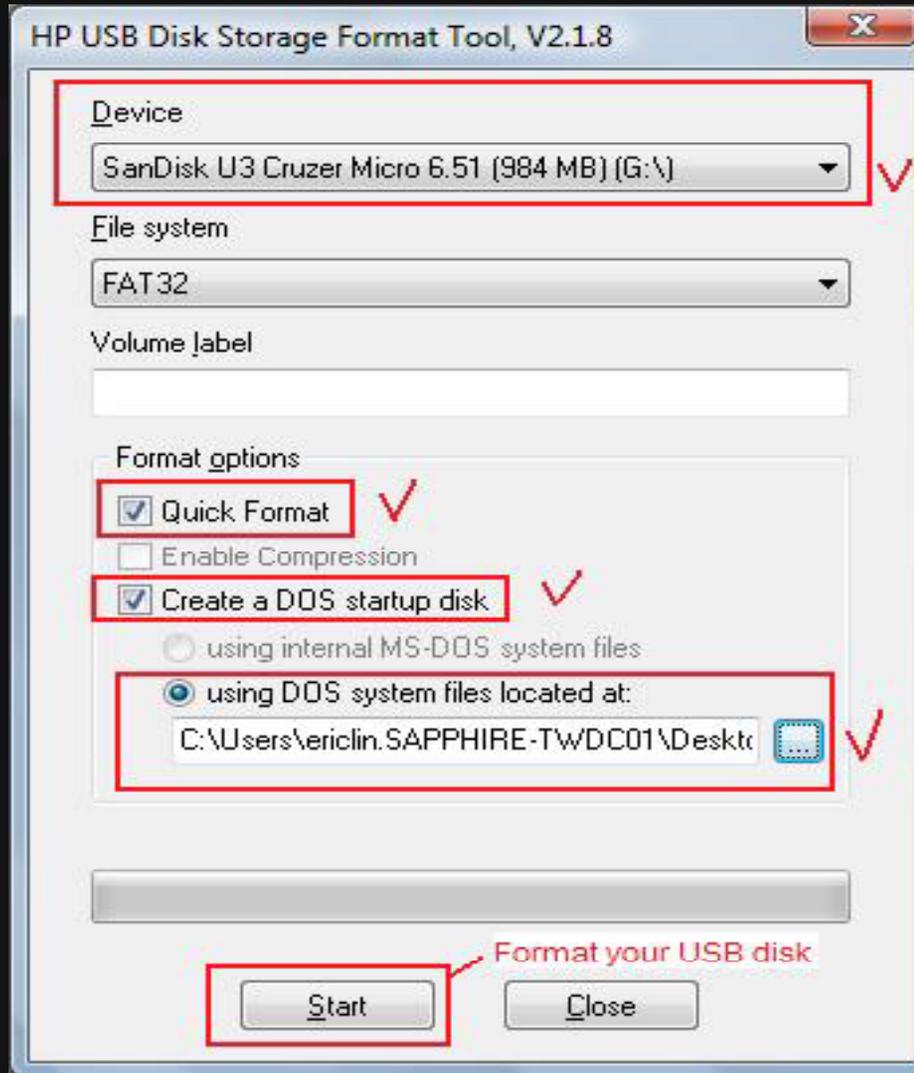
STEP 5

- Then assign the “DOS File” path from your USB FORMAT folder



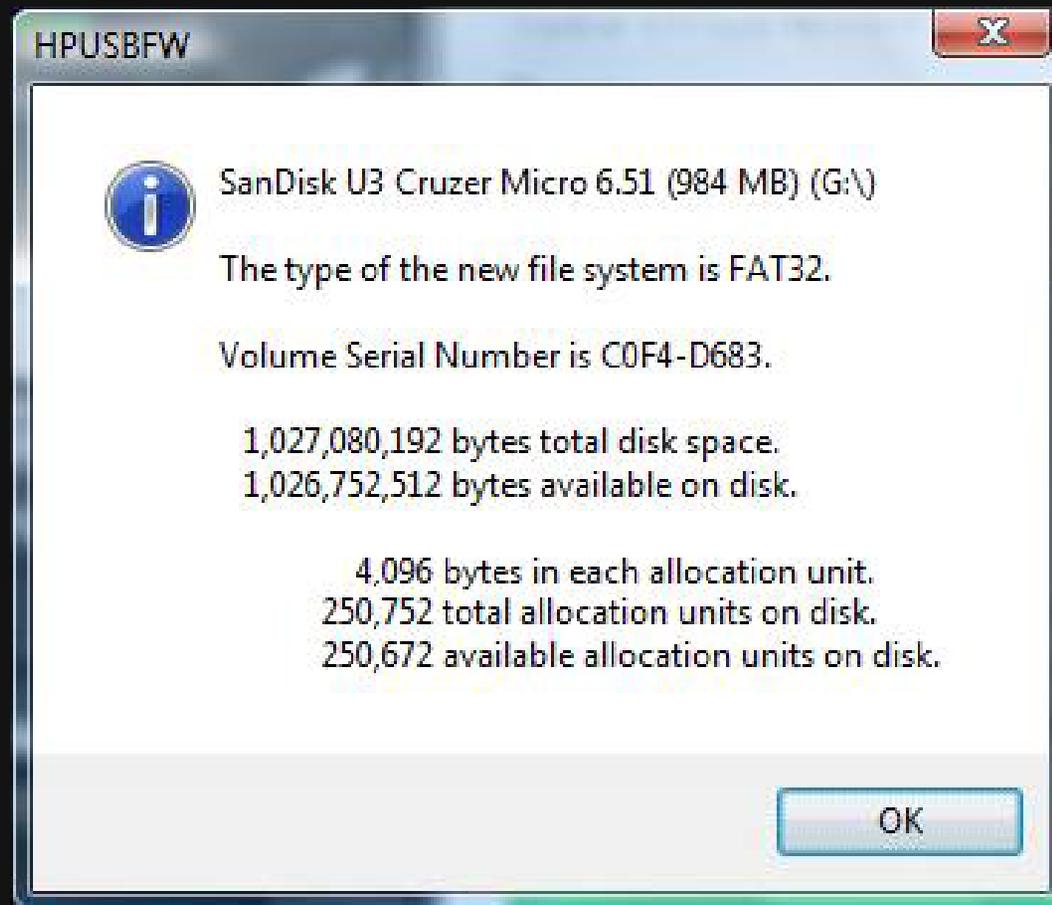
STEP 6

- Check your settings are the same as shown



STEP 7

- After you format your USB Stick you will see this information

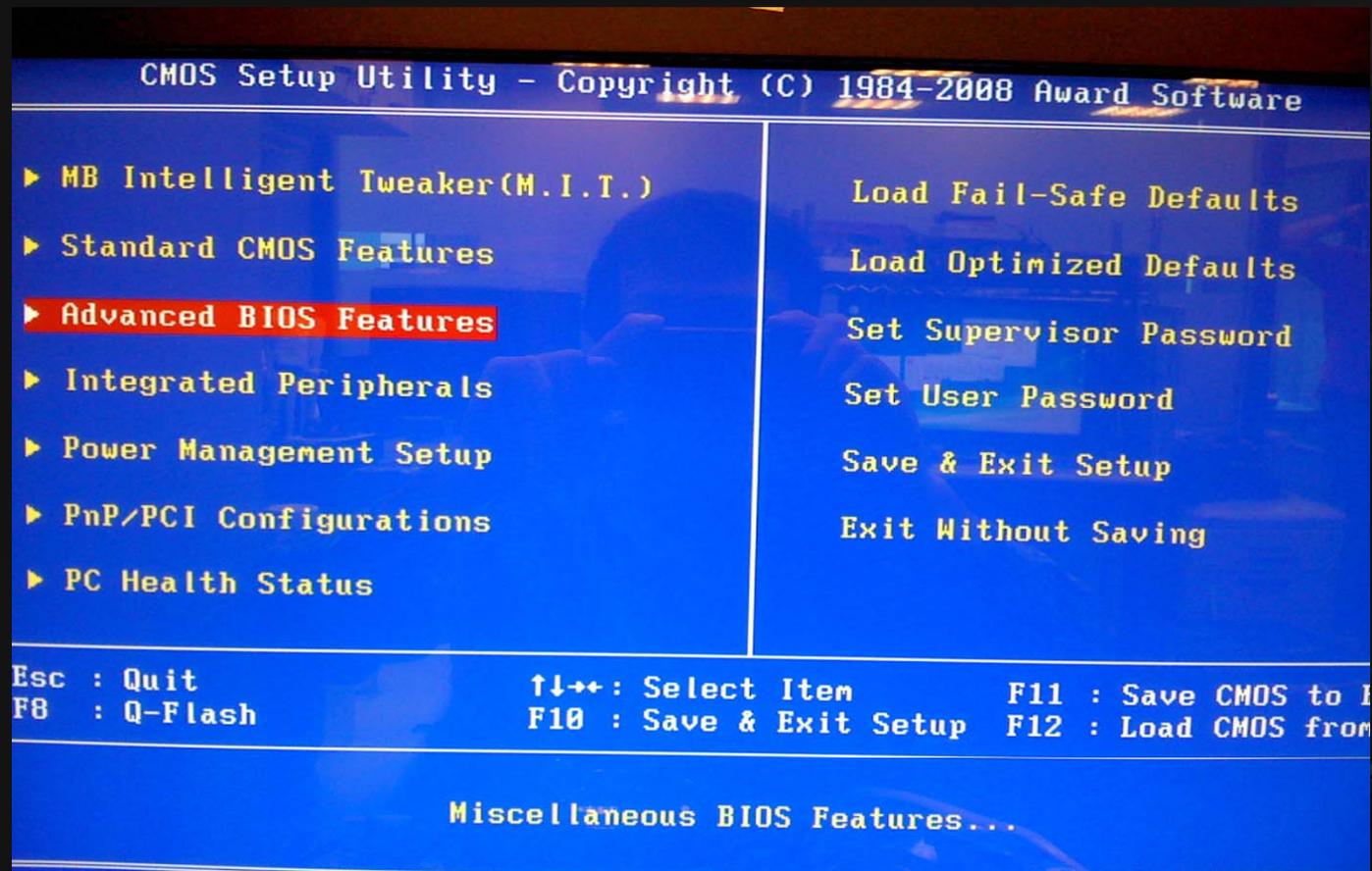


STEP 8

- Then download the BIOS tools ZIP file for your card from the XFX Support website.
- These are located next to your registered product on the downloads option.
- Once downloaded, unzip them and then copy ALL files to your USB stick.
- Then Reboot your system

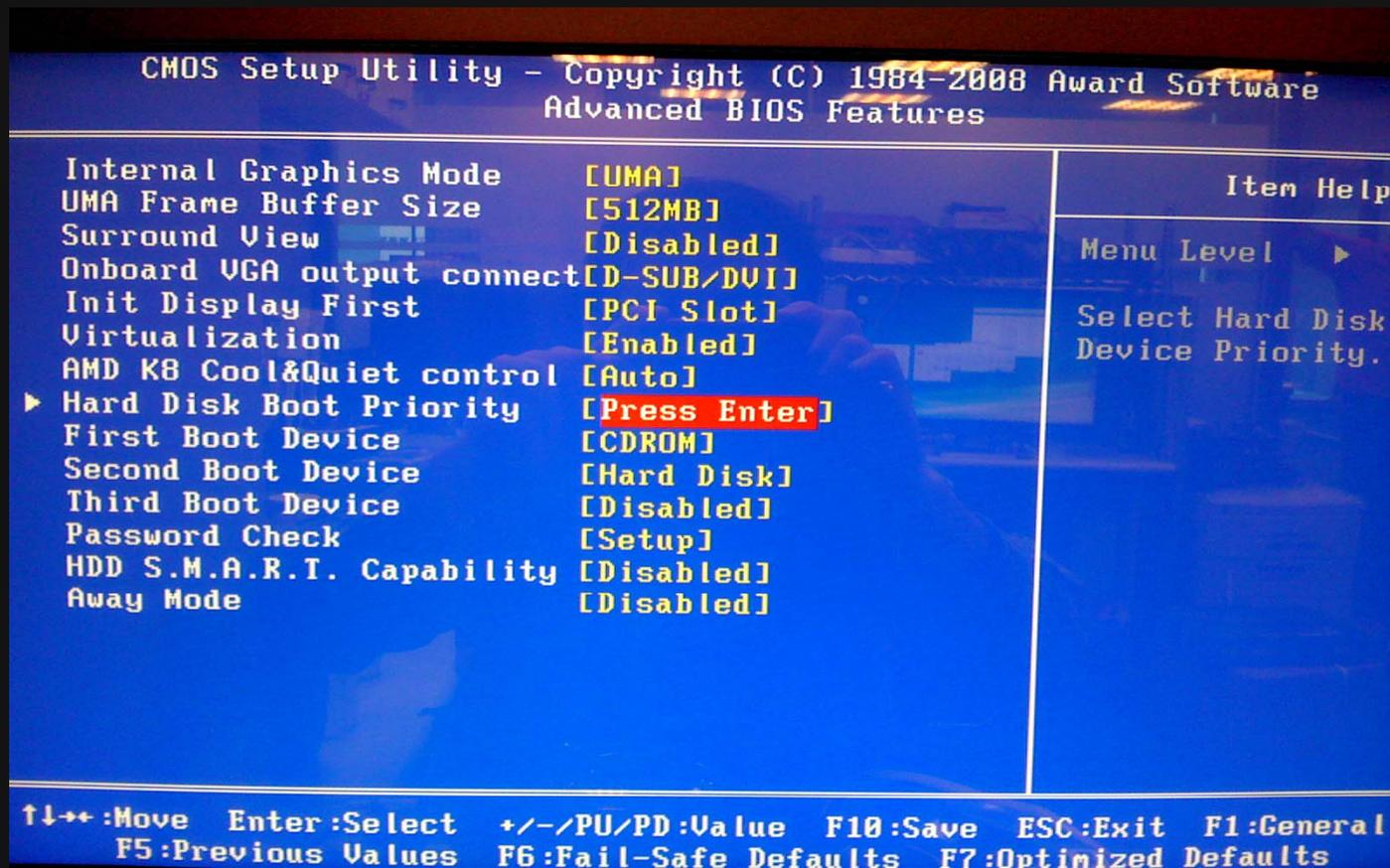
STEP 9

- Enter your motherboard BIOS settings menu system
- Select "Advanced BIOS Features" – Example Below



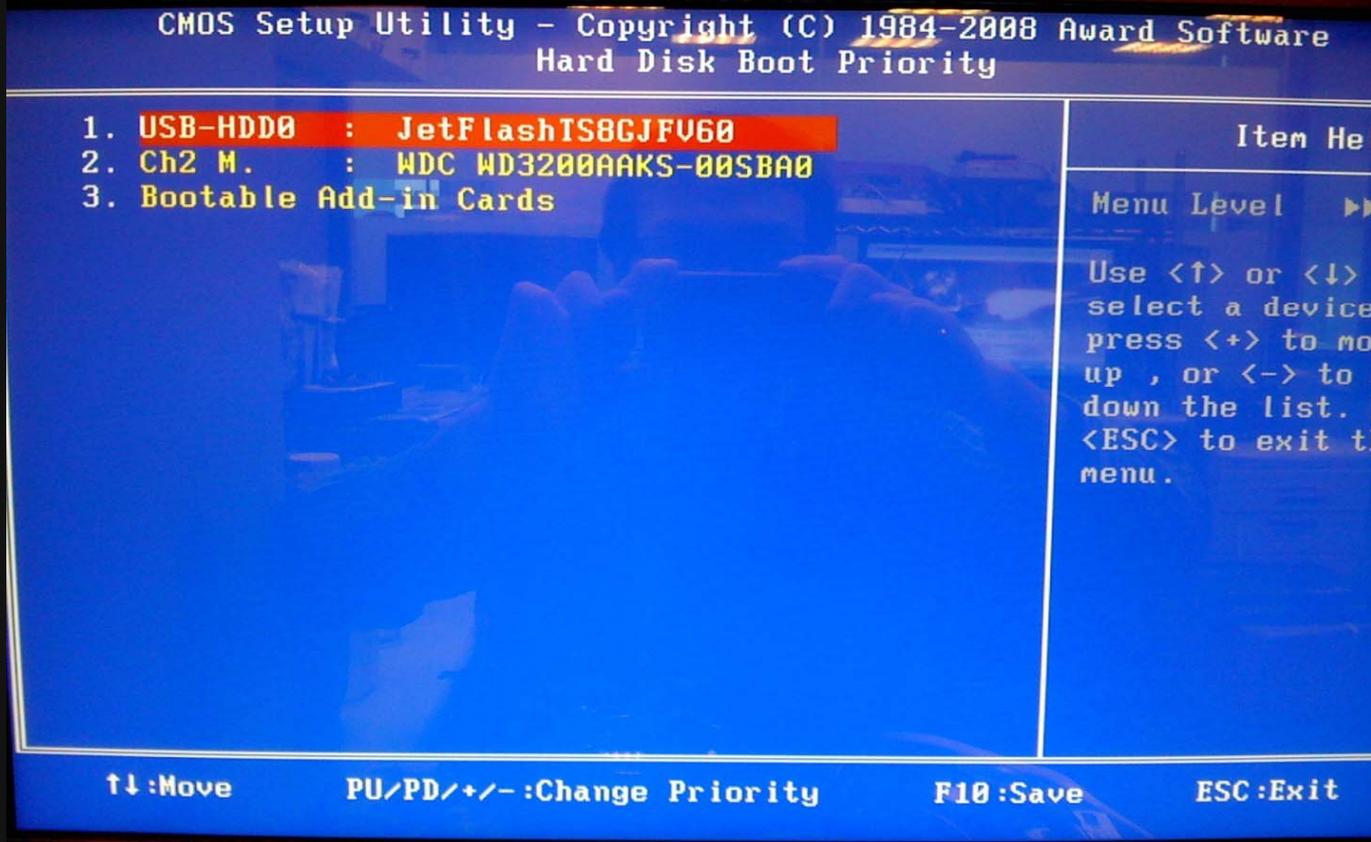
STEP 10

- Enter the "Hard Disk Boot Priority" menu



STEP 11

- Change your first hard disk boot priority to your USB stick name, save and reboot again. It will then automatically enter DOS mode



STEP 12

- You will then see the screen as below

```
0 17 0 1002 4390 1458 B002 0101 Native IDE Cntrlr 11
0 18 0 1002 4397 1458 5004 0C03 USB 1.1 Host Cntrlr 5
0 18 1 1002 4398 1458 5004 0C03 USB 1.1 Host Cntrlr 5
0 18 2 1002 4396 1458 5004 0C03 USB 2.0 Host Cntrlr 11
0 19 0 1002 4397 1458 5004 0C03 USB 1.1 Host Cntrlr 10
0 19 1 1002 4398 1458 5004 0C03 USB 1.1 Host Cntrlr 10
0 19 2 1002 4396 1458 5004 0C03 USB 2.0 Host Cntrlr 3
0 20 0 1002 4385 1458 4385 0C05 SMBus Cntrlr NA
0 20 1 1002 439C 1458 5002 0101 IDE Cntrlr 14
0 20 2 1002 4383 1458 A022 0403 Multimedia Device 5
0 20 5 1002 4399 1458 5004 0C03 USB 1.1 Host Cntrlr 10
1 0 0 1002 9490 174B E100 0300 Display Cntrlr 10
1 0 1 1002 AA38 174B AA38 0403 Multimedia Device 3
2 0 0 10EC 8168 1458 E000 0200 Network Cntrlr 10
3 14 0 104C 8024 1458 1000 0C00 IEEE 1394 Host Cntrlr 11
ACPI Controller 9

Verifying DMI Pool Data .....
Boot from CD/DVD :

Microsoft(R) Windows 98
(C)Copyright Microsoft Corp 1981-1999.

C:\>
```

STEP 13

- Type the "Flash" command as below and push enter, then it will automatically start the flash process

```
0 17 0 1002 4390 1458 B002 0101 Native IDE Cntrlr
0 18 0 1002 4397 1458 5004 0C03 USB 1.1 Host Cntrl
0 18 1 1002 4398 1458 5004 0C03 USB 1.1 Host Cntrl
0 18 2 1002 4396 1458 5004 0C03 USB 1.1 Host Cntrl
0 19 0 1002 4397 1458 5004 0C03 USB 2.0 Host Cntrl
0 19 1 1002 4398 1458 5004 0C03 USB 1.1 Host Cntrl
0 19 2 1002 4396 1458 5004 0C03 USB 1.1 Host Cntrl
0 20 0 1002 4385 1458 4385 0C05 USB 2.0 Host Cntrlr
0 20 1 1002 439C 1458 5002 0101 SMBus Cntrlr
0 20 2 1002 4383 1458 A022 0403 IDE Cntrlr
0 20 5 1002 4399 1458 5004 0C03 Multimedia Device
1 0 0 1002 9490 174B E100 0300 USB 1.1 Host Cntrlr
1 0 1 1002 AA38 174B AA38 0403 Display Cntrlr
2 0 0 10EC 8168 1458 E000 0200 Multimedia Device
3 14 0 104C 8024 1458 1000 0C00 Network Cntrlr
ACPI Controller

Verifying DMI Pool Data .....
Boot from CD/DVD :

Microsoft(R) Windows 98
(C)Copyright Microsoft Corp 1981-1999.

C:\>flash
```

STEP 14

- After you have flashed your VBIOS, remove your USB Stick and reboot your system.
- Go into Windows and re-install your graphics drivers.

```
(C)Copyright Microsoft Corp 1981-1999.  
C:\>flash  
C:\>atiflash -s 0 le85old.bin  
0x20000 bytes saved, checksum = 0x62B4  
C:\>atiflash -p 0 le8501sa.002 -f  
Old SSID: 0502  
New SSID: 0502  
Old P/N: 11X-1E8501SA-001  
New P/N: 11X-1E8501SA-001  
Old DeviceID: 9440  
New DeviceID: 9440  
Old Product Name: RV770XT 512M GDDR5 2DVI TV0  
New Product Name: RV770XT 512M GDDR5 2DVI TV0  
Old BIOS Version: 011.010.000.002.029896  
New BIOS Version: 011.010.000.002.029896  
Flash type: PM25LV010  
20000/20000h bytes programmed  
20000/20000h bytes verified  
Restart System To Complete VBIOS Update.  
C:\>_
```

