

BIOS upgrade using FDD

Note:

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WARNING!!

Do not flash the BIOS if your system is running fine. Please proceed with caution when performing this task. Alternatively, you can use MSI Live Update 3 to update the BIOS but only when the Operating System is running stably.

Finally, before updating the BIOS, make sure to note all BIOS settings you have made manually (such as Boot Sequence, DRAM Timing & Voltage, etc.), because updating the BIOS will reset all BIOS settings back to factory defaults.

BIOS Flash Procedure

1. Please check your BIOS for BIOS Flash Protection and make sure it is DISABLED, some motherboards have this function.

For Example:

K7N420 Pro (MS-6373) – BIOS setup/Integrated Peripherals/BIOS Protect/Disabled

2. Find out the exact model of your motherboard.
 - a. First check inside the motherboard BIOS, some motherboards, like the MS-7030, show the BIOS version in the BIOS, under Standard CMOS Features. In addition, under System Information Utility, you will be able to see BIOS Version.
 - b. Open your case and look for the MS-XXXX number on the motherboard, usually located between the PCI slots, also check the version number as well. (Some motherboards like the MS-6390 have different versions, in which each version uses a different BIOS)
 - c. Boot up your system & take a look at the top left screen during POST, you should see something like “W6390VMS v2.6 092903” This means the board is MS-6390 with BIOS version 2.6

Hint: You may not catch this line because the Quick Boot is enabled by default. You can try pressing “PAUSE” key before the screen flashes or you can disable the “Quick Boot” & “Full Screen Logo” options in the BIOS.

3. Download the BIOS that match your motherboard model and version number. BIOS files can be found at the below links, simply enter your motherboard's model number and press Enter. Download and save the BIOS onto your desktop.
<http://global.msi.com.tw/index.php?func=downloadindex>
<http://asia.msi.com.tw/index.php?func=downloadindex>
4. Extract the BIOS that you have downloaded by double click it and extract it to a blank formatted floppy disk.

5. Boot the system with a bootable floppy disk
 - a. A Windows 98/ME startup disk can be used
 - b. Alternatively, you can create an MS-DOS startup disk under Windows XP, to create an MS-DOS startup disk under Windows XP, right click on the 3 ½ floppy drive icon under my computer and select format. On the format dialog box, check the box next to “Create MS-DOS startup disk” and then click the start button to make a MS-DOS startup disk.
6. Once you boot off the bootable floppy disk, replace the bootable floppy disk with the floppy disk containing the BIOS file and flash utility.
7. At the A:\ prompt, you will type in the following command
 - a. A:\FLASHUTILITY BIOSFILE.VER
 - b. The flash utility will be the .EXE file included in the BIOS you downloaded. For example: AFUD4232.EXE = BIOS FLASH UTILITY
 - c. The BIOS file will end with the version number you downloaded. For example: A7376AMS.150 = BIOS file version 1.50
8. To update the BIOS using the example above you would type the following command.
 - a. A:\AFUD4232 A7376AMS.150, then press Enter key.
 - b. Follow the onscreen prompts to update the BIOS.
9. DO NOT TURN OFF THE POWER or RESET/REBOOT the SYSTEM before the BIOS update is completed, stopping the BIOS UPATE before it is completed will cause the system to fail and unrecoverable.
10. When BIOS flash is completed, you will be notified and asked to reboot your computer. You will see an error message showing “CMOS Checksum Error - Defaults Loaded”, simply press F1 to go into the BIOS setup and Load Optimized Defaults (Or Load BIOS Defaults).

Go to “Standard CMOS Features”/ “System Information” to verify that you have the latest BIOS version, and you should go ahead and adjust your Boot Sequence under Advanced BIOS to set CD/DVD as first boot device, HDD as second, pres F10 to save and exit BIOS.

BIOS flash complete.