How to Flash the BIOS on a Shuttle Barebones within Windows (32-bit or 64-bit)

Be sure and download the "Shuttle BIOS firmware update" and the "AFUWIN" utility tool from Shuttle's website.

WARNING: If you use another non-AMI tool, this could leave your computer unusable.

The AFUWIN uses a separate program for the 32-bit and 64-bit architecture, so be sure to download the correct version that you are using.

You can use this link <u>http://global.shuttle.com/download/download</u> and select your Shuttle model.

Once you've selected your model, click "BIOS" tab, then download the latest BIOS version.

Then select the "Utilities" tab and download the correct version of the AFUWIN utility tool for your version of the operating system.

Once you've downloaded both files, put them into a folder where you can locate it easily (ie: Documents or Desktop).

You are now ready to flash the BIOS from your Windows version.

Locate the folder you just created with the files for flashing the BIOS.

Right click on the AFUWIN(x32 or x64).exe and chose "Run as Administrator" (Win 7/Win Vista)

You will get a message box warning to close all running applications

C:\Users\te	ech\Desktop\afuwin2\afuwin\64\AFUWINx64.exe	x
i	To ensure that no other program interferes with the BIOS update process, it is highly recommended to close all other programs before continue. Please do not shutdown or suspend your system during the BIOS update.	
	OK Cance	

Click OK and that will bring up the AFUWINx32 (or x64) application.

AFUWIN v.4.40		8
	Information Setup Progress	
American Megatrends	System Information OS: Windows 7 Chip: WOINBOND W25X/Q80 BIOS Size: 1048576 bytes Bootblock Size: 131072 bytes NVRAM Size: 65536 bytes Core Version: 08.00.15 Release Date: 02/04/10 System ROM ID: SG412101 ROM File Information Input ROM File: Unknown File ROM ID: Unknown	
	Open Flash Save Es	xit

Click the "Open" button to look for and load the firmware file from the folder you created. Example: SH67000.109 would be for the SH67 model.

This will load the file and the application will move to the "Setup" tab, with "Main BIOS image" option pre-selected.

AFUWIN v.4.40		X
American Megatrends	Information Setup Program Block Options Program All Blocks Program All Blocks Program All Blocks Boot Block NVRAM EC Block Non Critical Block ALL 1 1 2 5 6 7 8	CMOS Options CMOS Options Load Current Optimal Load Current Failsafe Load ROM File's Optimal Load ROM File's Failsafe Destroy CMOS Checksum Miscellaneous Do Not Check ROM ID Restart After Programming Force Restart After Programming Preserve SMBIOS Update MAC:
	<u>O</u> pen <u>F</u> lash	<u>S</u> ave E <u>x</u> it

Select the "Program All Blocks" option on the "Setup" tab and click the "Flash" button, this will start the flashing process.

After the flash is complete, you will get the AFUWIN flash confirmation in the "Progress" tab.



At this point you're done and the computer should be rebooted to confirm the flash process was successful.

Now go into the BIOS setup and "load optimal defaults", adjust settings as needed, Save and Quit BIOS.