

## 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 <http://global.shuttle.com/download/download> 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.

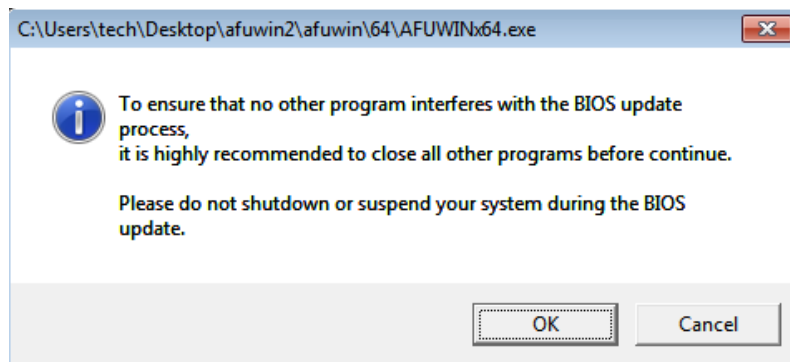
Once you've downloaded both files, put them into a folder where you can locate it easily (ie: Documents or Desktop).

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

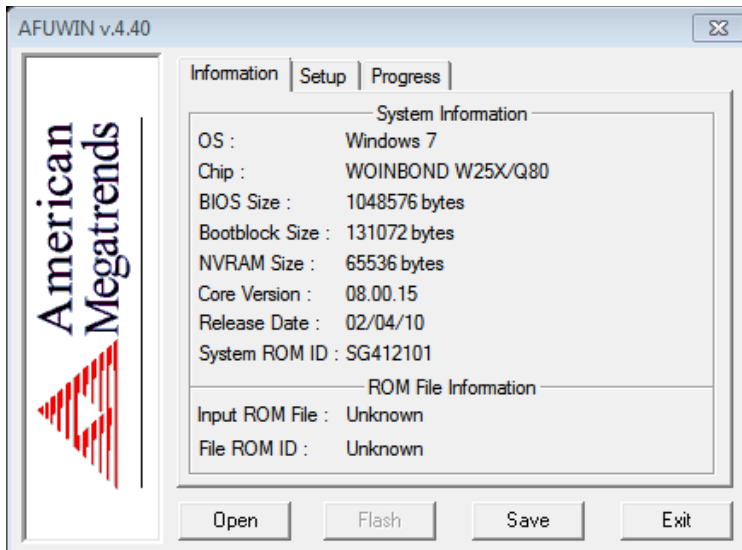
Locate the folder you just created with the files for flashing the BIOS.

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

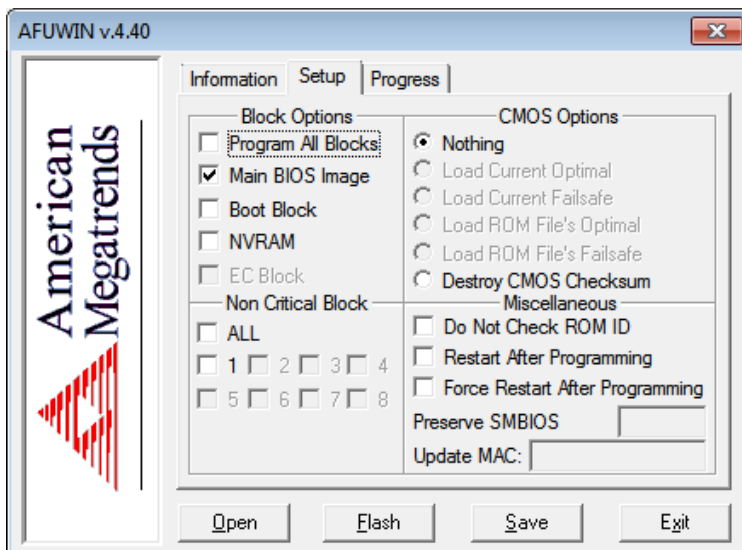


Click OK and that will bring up the AFUWINx32 (or x64) application.



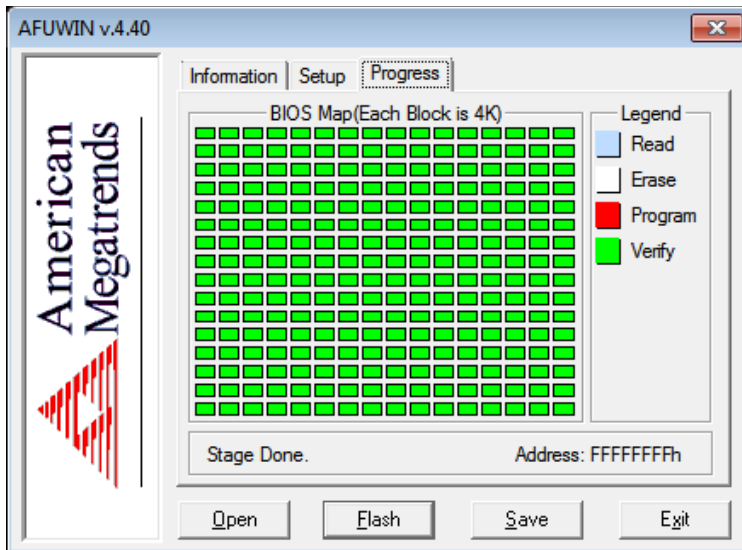
Click the "Open" button to look for and load the firmware file from the folder you created. Example: SH67000.109 would be for the SH67 model.

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



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.