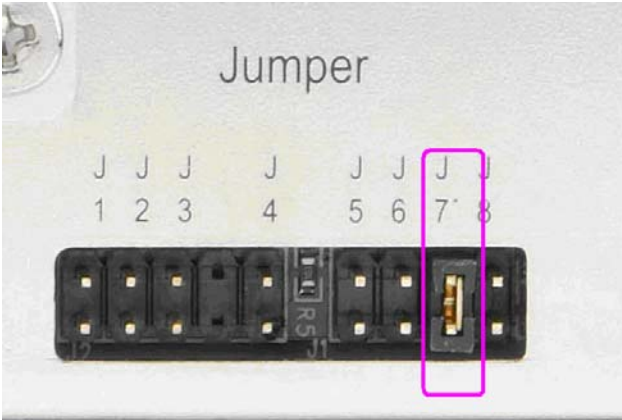


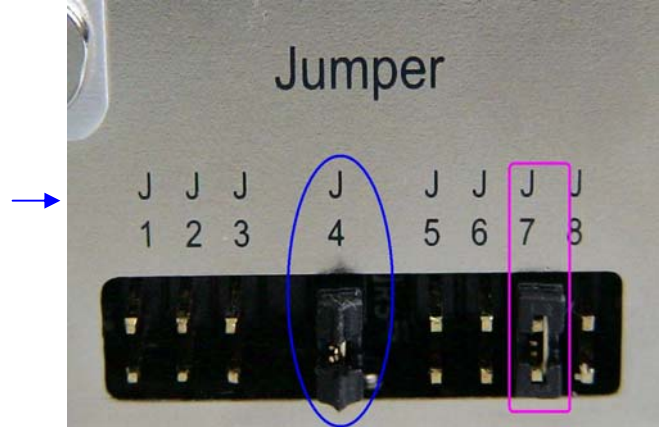
How to upgrade ARAID 2200 HIC 2103 firmware by Flash Magic V0.93

The "Flash Magic" communicates with ARAID 2200 via RS-232 connection to upgrade ARAID 2200's H.I.C.(Human Interface Cpu) LPC2103's firmware.

(1) Please insert the Jumper to the proper position (J4) as picture 1.



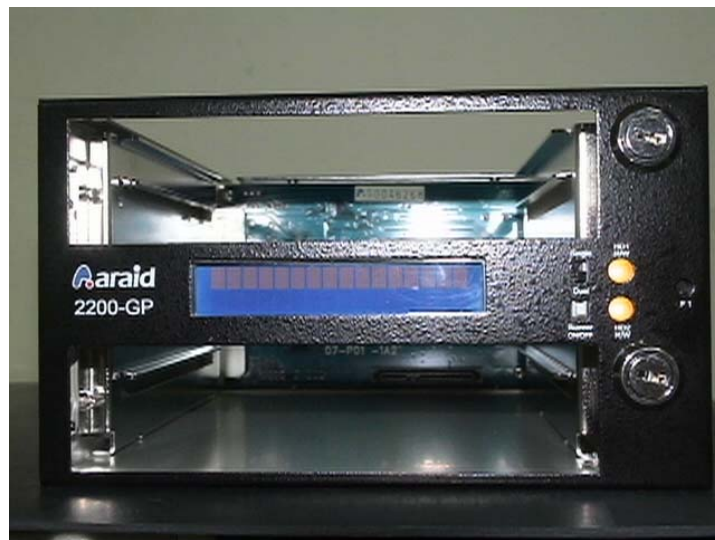
(picture 0: Only J7 is inserted)



(picture 1: J4 inserted, and remain J7)

(2) Remove both Upper and Lower Trays from ARAID 2200.

Connect the "R1" from real panel to a PC. This is a RS-232 communication. Once jumper J4 is inserted, turn the power on, the front panel LCD will show as picture 2.



(picture 2)

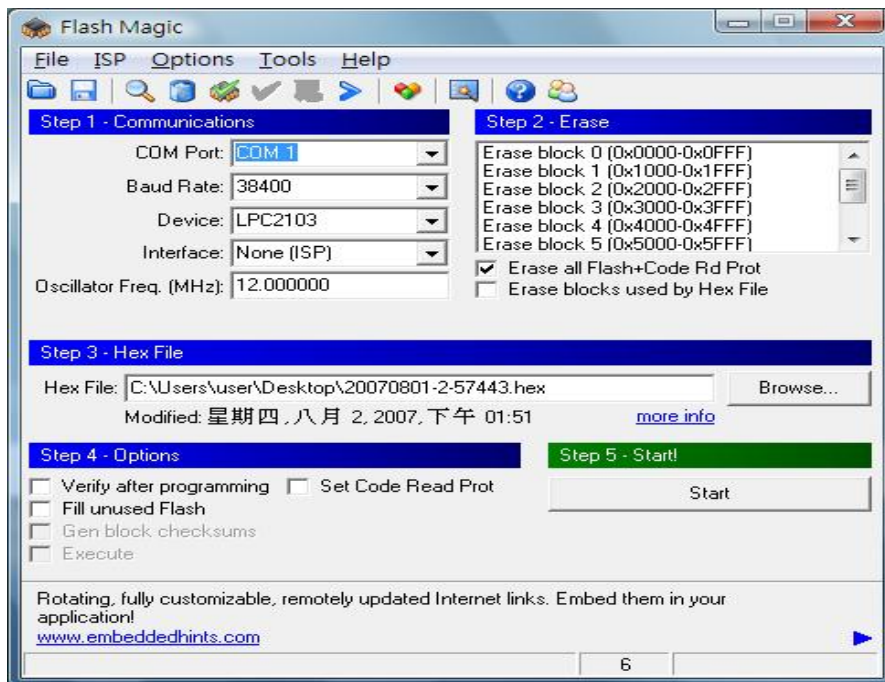
(3) Launch the “Flash Magic” software from the STAR menu, see picture 3.

If this is the first time for you to use the Flash Magic, please read another Accordance’s document – “Flash Magic User’s Guide - English” first.



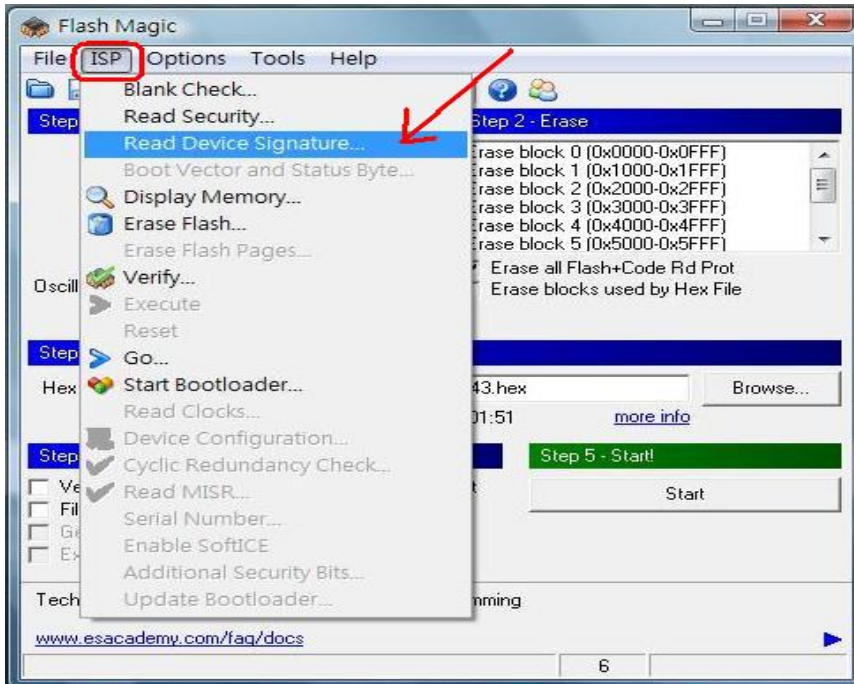
(picture 3)

(4) After execute Flash Magic, the window will show up as picture 4. Make sure all 5 parameters are properly chosen (such as COM port, Baud Rate is 38400, Device is LPC2103, Interface is [ISP], Osc Freq is 12 MHz) and check box (Erase all Flash+Code Rd Port) is checked.



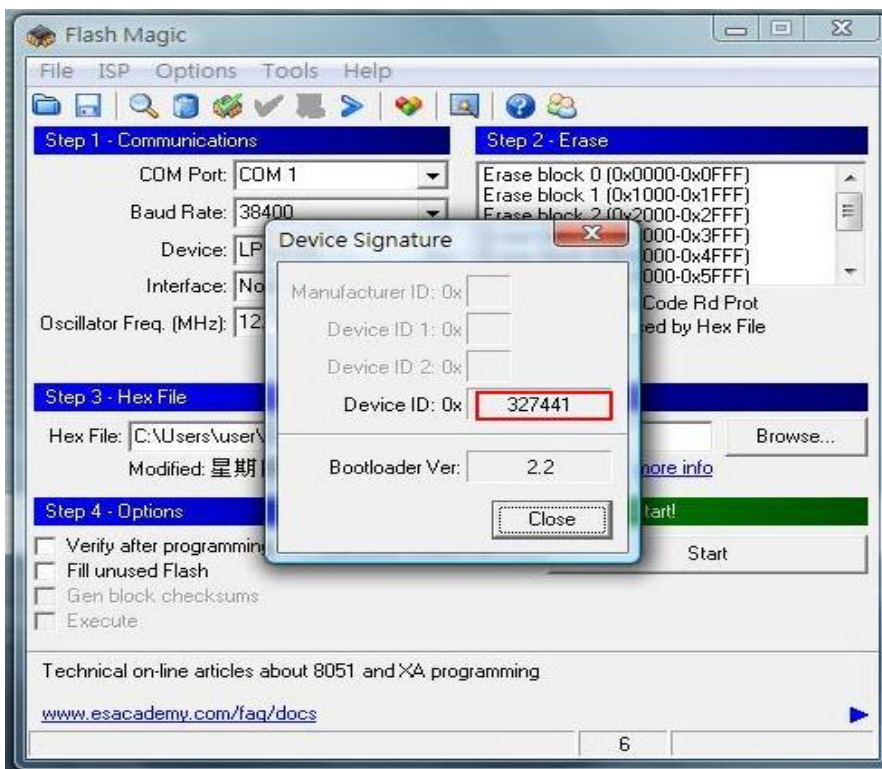
(picture 4)

- (5) Select “**Read Device Signature**” under **ISP** which make sure if system catch 2103 or not. See as picture 5.



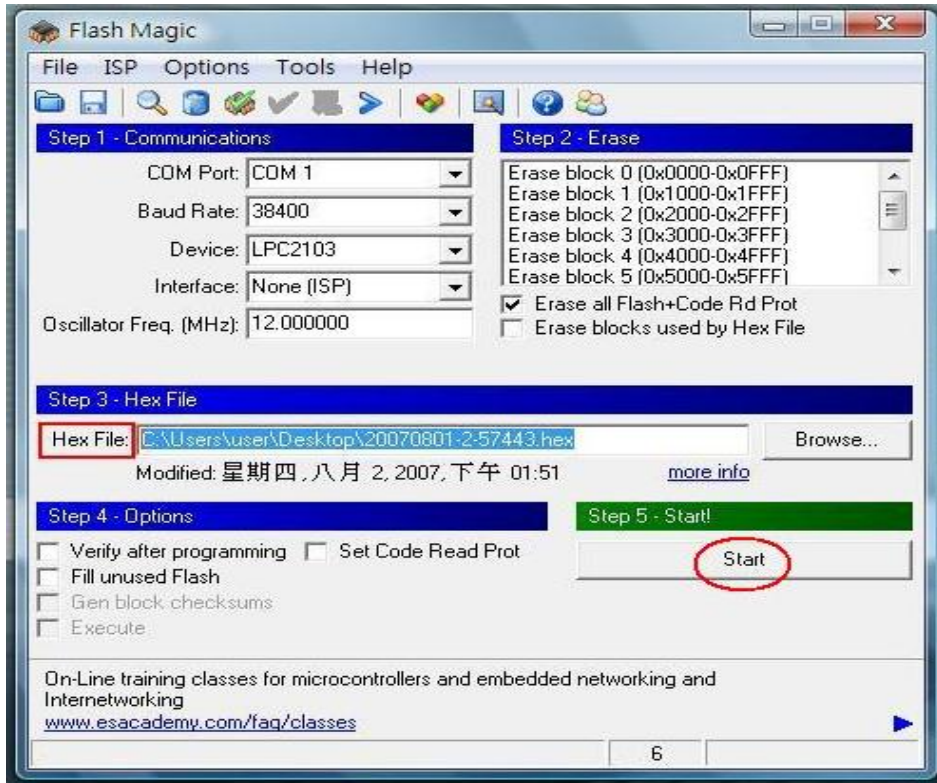
(picture 5)

- (6) When there’s a value show up on “**Device ID**” column of “**Device Signature window**”, it means system catches 2103, see as picture 6.



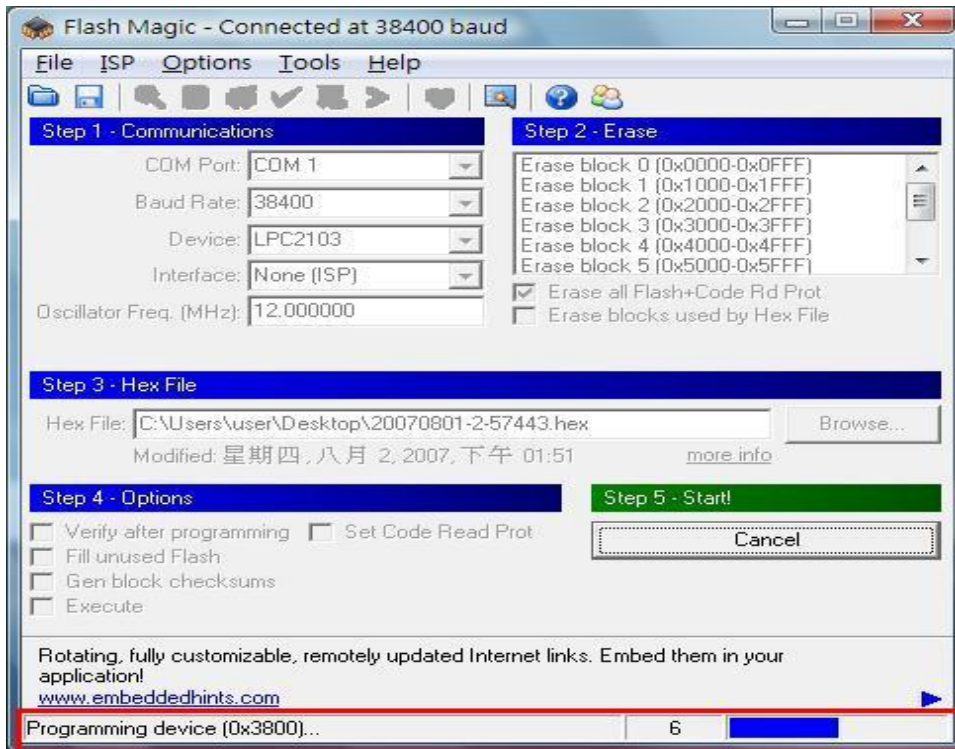
(picture 6)

(7) Upgrading file is as .hex. Click “Start” to execute the upgrading process, see picture 7.



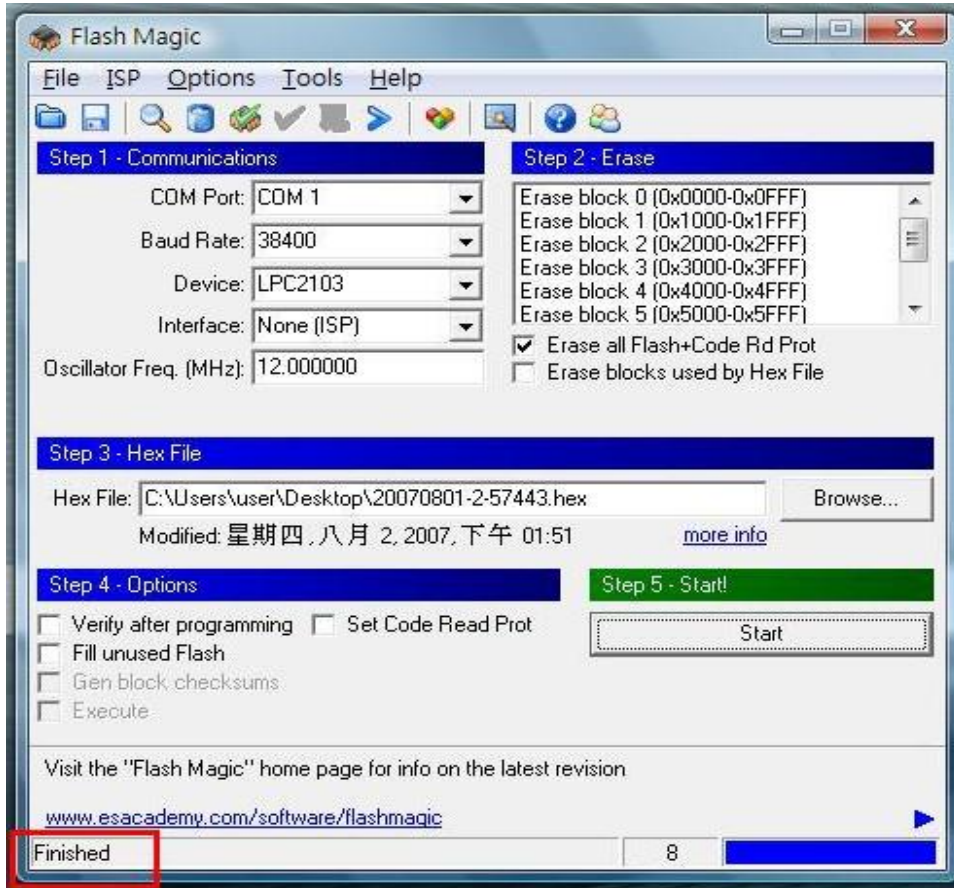
(picture 7)

(8) The percentage of upgrading process will be showed as picture 8.



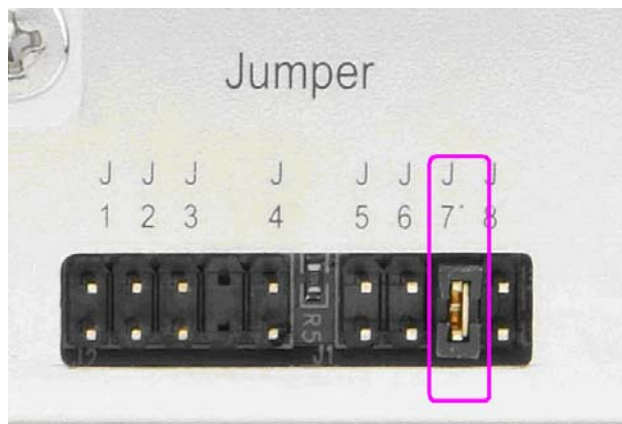
(picture 8)

(9) When “Finished” vocabulary shows up, it means the upgrading process is done, see as picture 9.



(picture 9)

(10) Removed Jumper J4 (as open).



(picture 10)

(11) RS-232 communication for Araid Manager.