STEPS TO INSTALL AND CONFIGURE H-JTAG

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II. STEPS FOR TOOL CONFIGURATION OF KIEL/MDK

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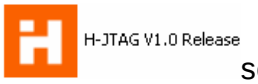
Note: Make sure before installing H-JTAG Software, KieluVision4 Software must be installed prior to H-JTAG.

Installation and configuration of H-JTAG is solely for parallel port programming through JTAG.

I. STEPS TO INSTALL H-JTAG SOFTWARE

For installation process of **H-JTAG** Software, follow the steps as below:

STEP 1:

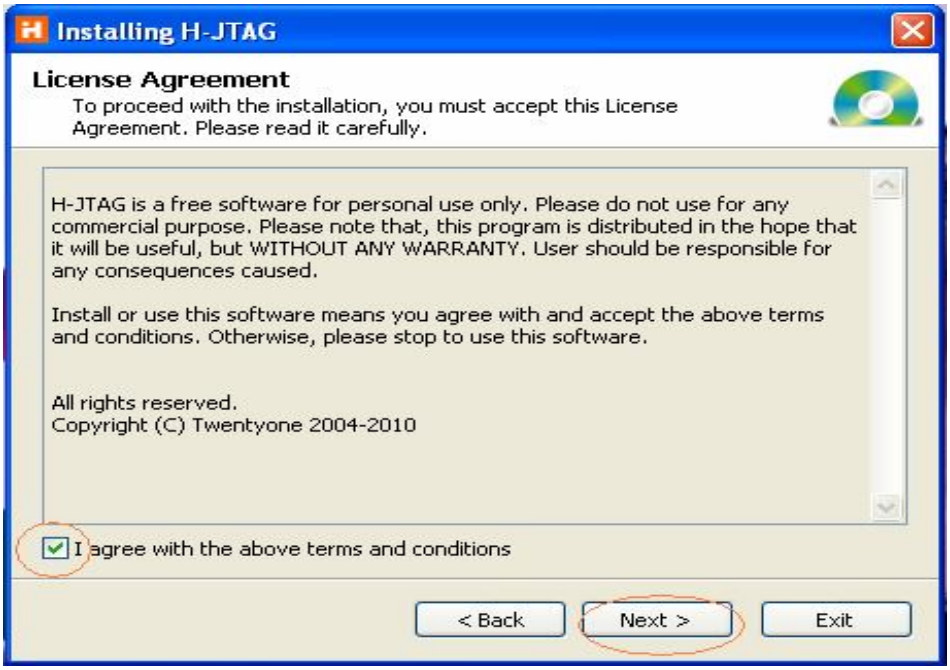
When you double click on the 

setup icon of H-JTAG software, you find the image as below.

Click *Next* button to move to next step of installation process.

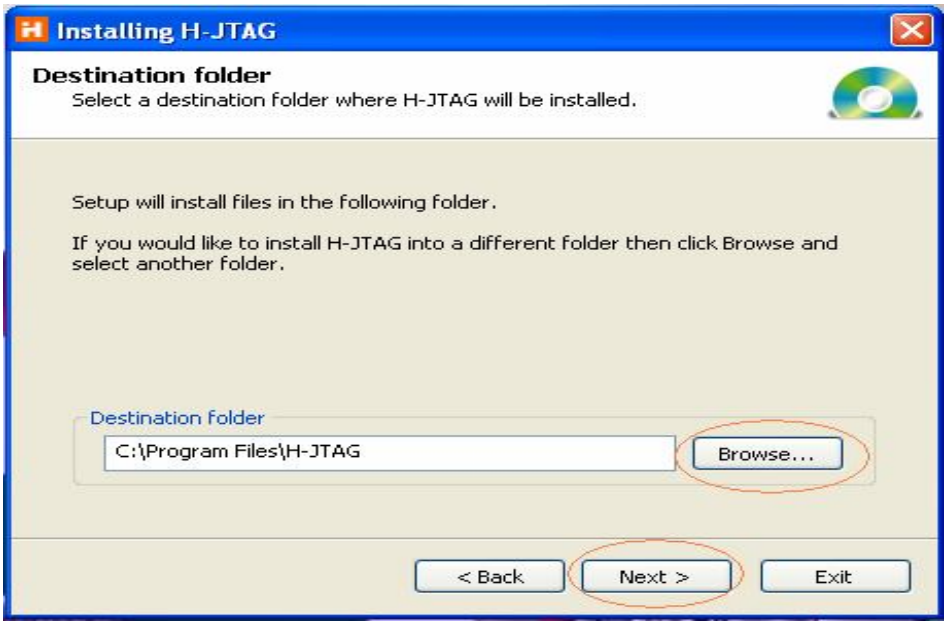
STEP 2:

Tick *I agree with the above terms and conditions* check box and then click on *Next* button.



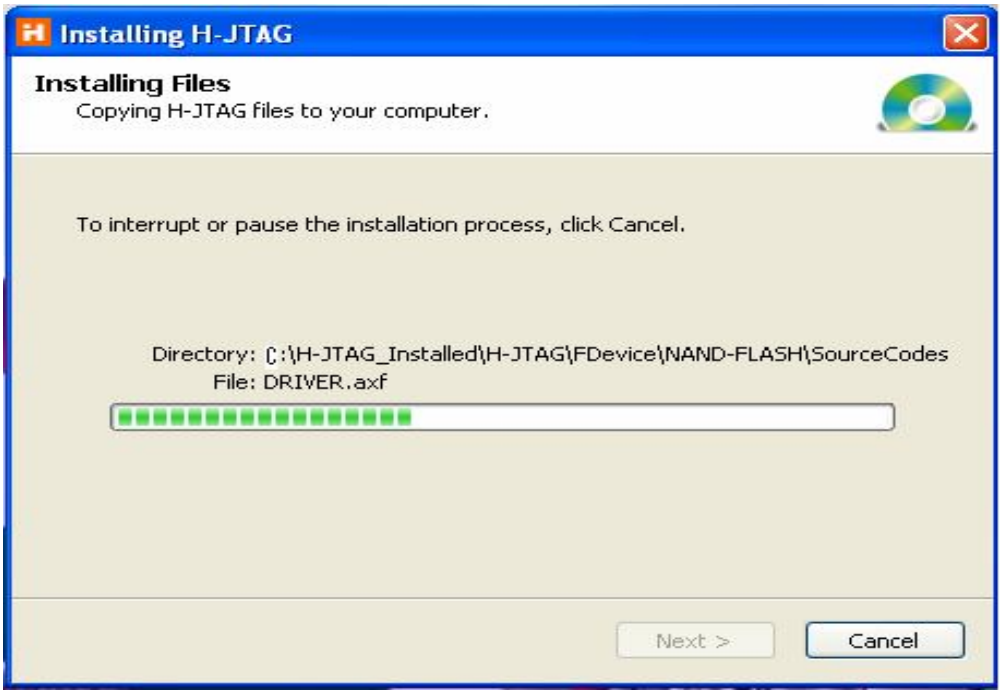
STEP 3:

Select proper *Destination Folder* for installation of your software and then click on *Next* button.



STEP 4:

This is how it looks during installation process.



STEP 5:

This is the final step of installation process of H-JTAG software.

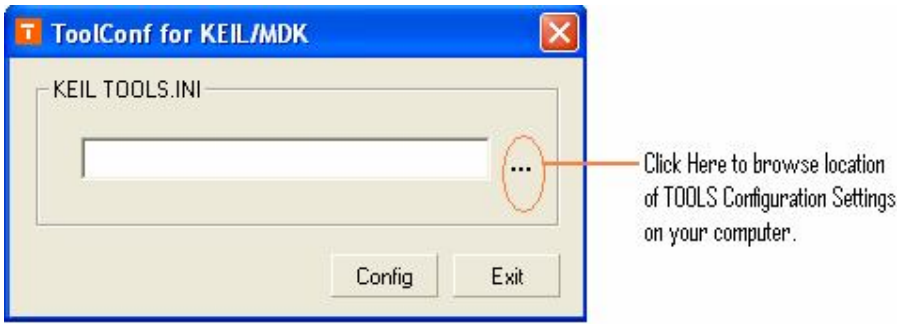
Click *Finish* button to finish the set up process.

II. STEPS FOR TOOL CONFIGURATION OF KIEL/MDK

STEP 1:

After double clicking on this 

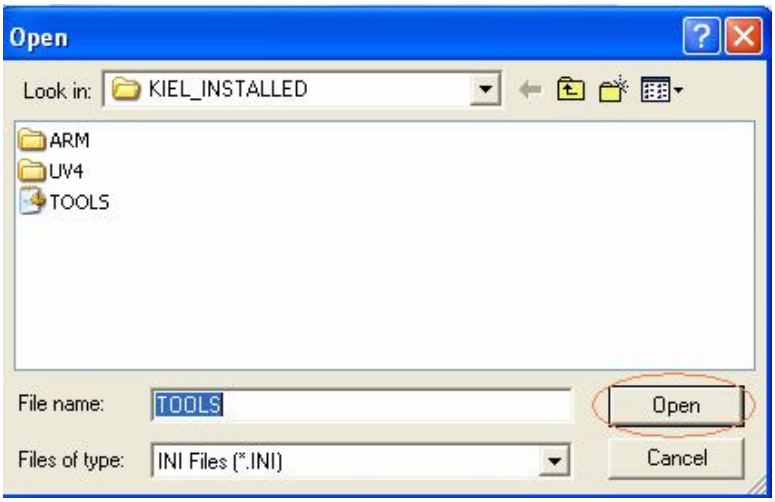
icon, you find the dialog box as below.



Click on the area circled to browse for the location where you have installed Kiel uVision4 software to select TOOLS configuration settings.

STEP 2:

Click on TOOLS configuration settings icon from the drive location where you have installed KIEL uVision4 Software.

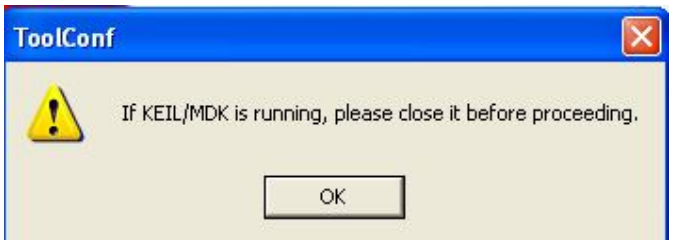


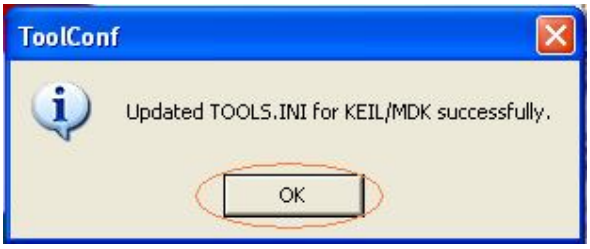
Click Open Button after selection of TOOLS configuration settings icon.

STEP 3:

Click on Config button, after TOOLS Configuration settings icon is selected.

After clicking on Config button, following images are obtained, indicating TOOLS.INI is updated successfully.





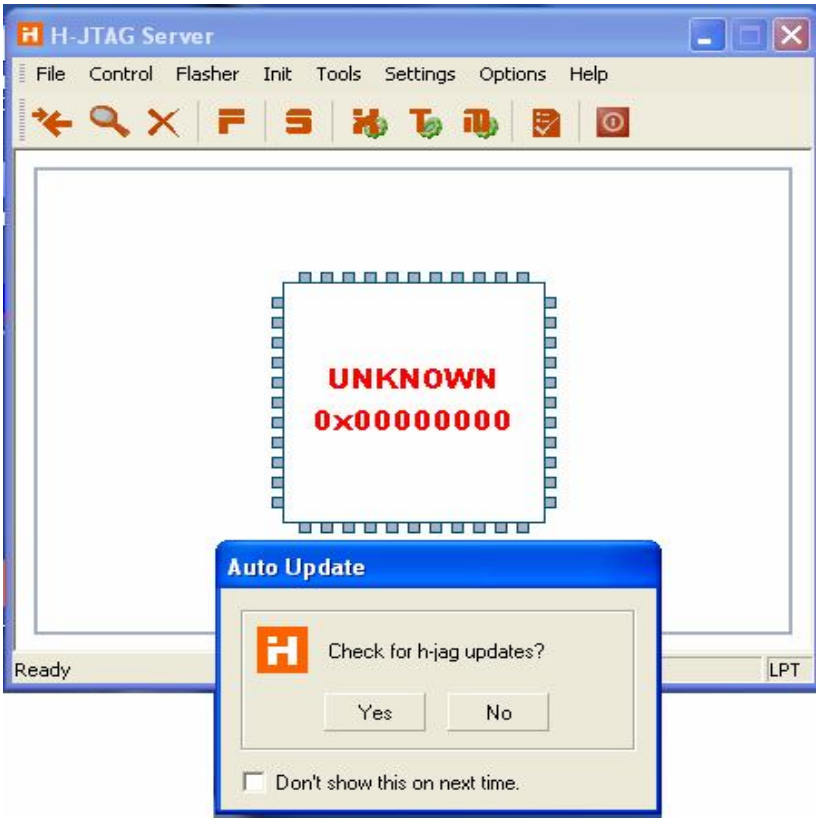
Click on **OK** button to exit from configuration settings.

III. STEPS TO CONFIGURE H-JTAG SERVER

STEP 1: Click on this icon 

to configure H-JTAG settings.

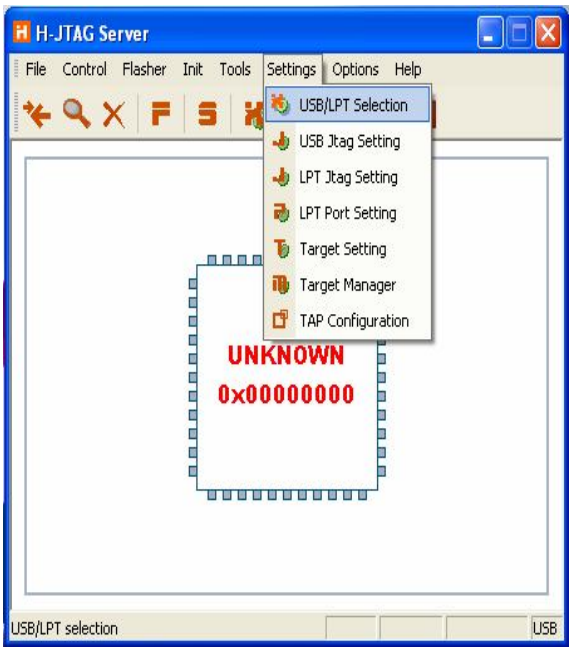
Below image is obtained after double clicking on H-JTAG Server icon.

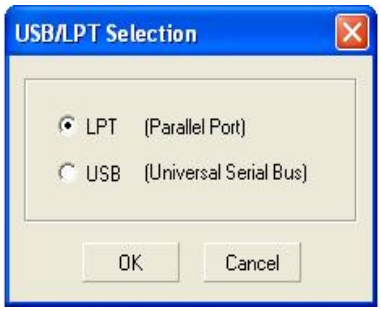


Click No if check for h-jtag update window pops up.

STEP 2: Following initial settings must be made before any device is programmed.

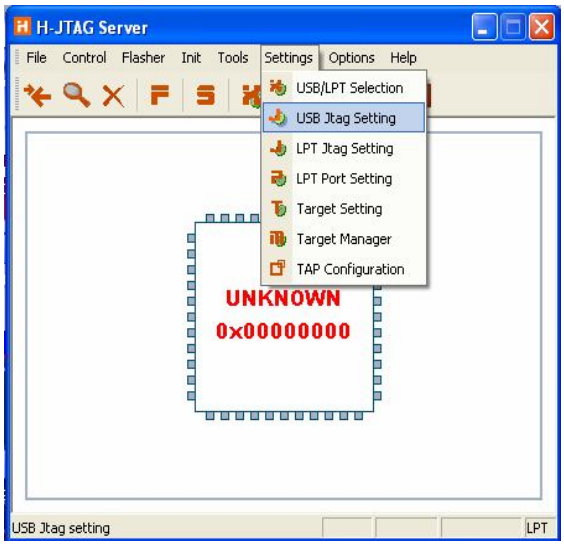
Click on Settings Menu to do the following configurations:

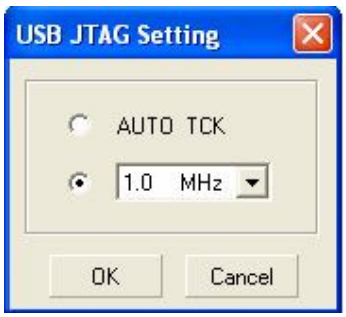




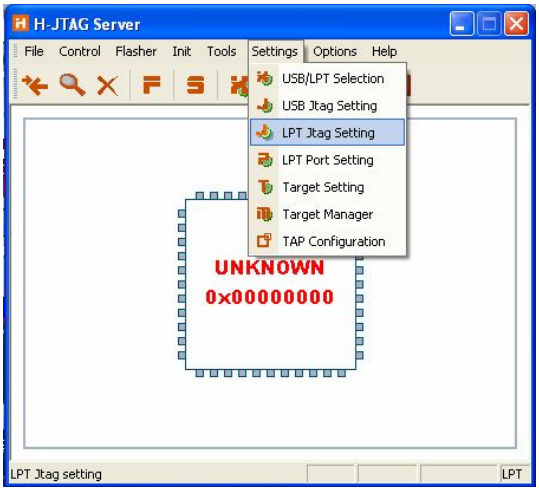
Note: Here LPT is selected for using Parallel port.

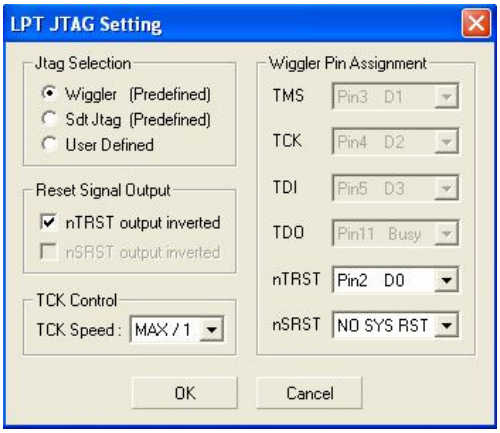
STEP 3:





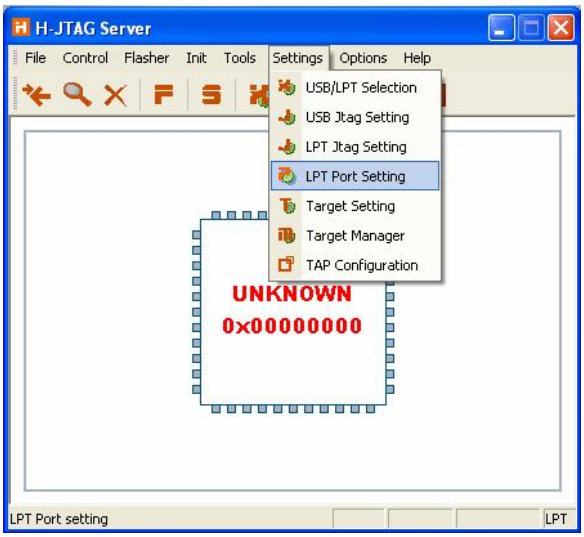
STEP 4:

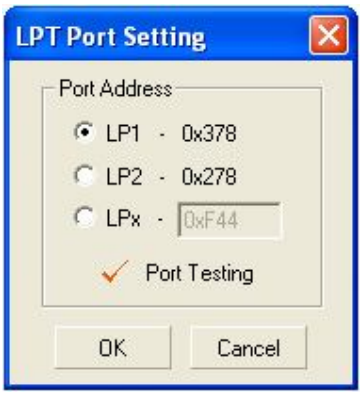




Make LPT JTAG setting as in above figures.

STEP 5:

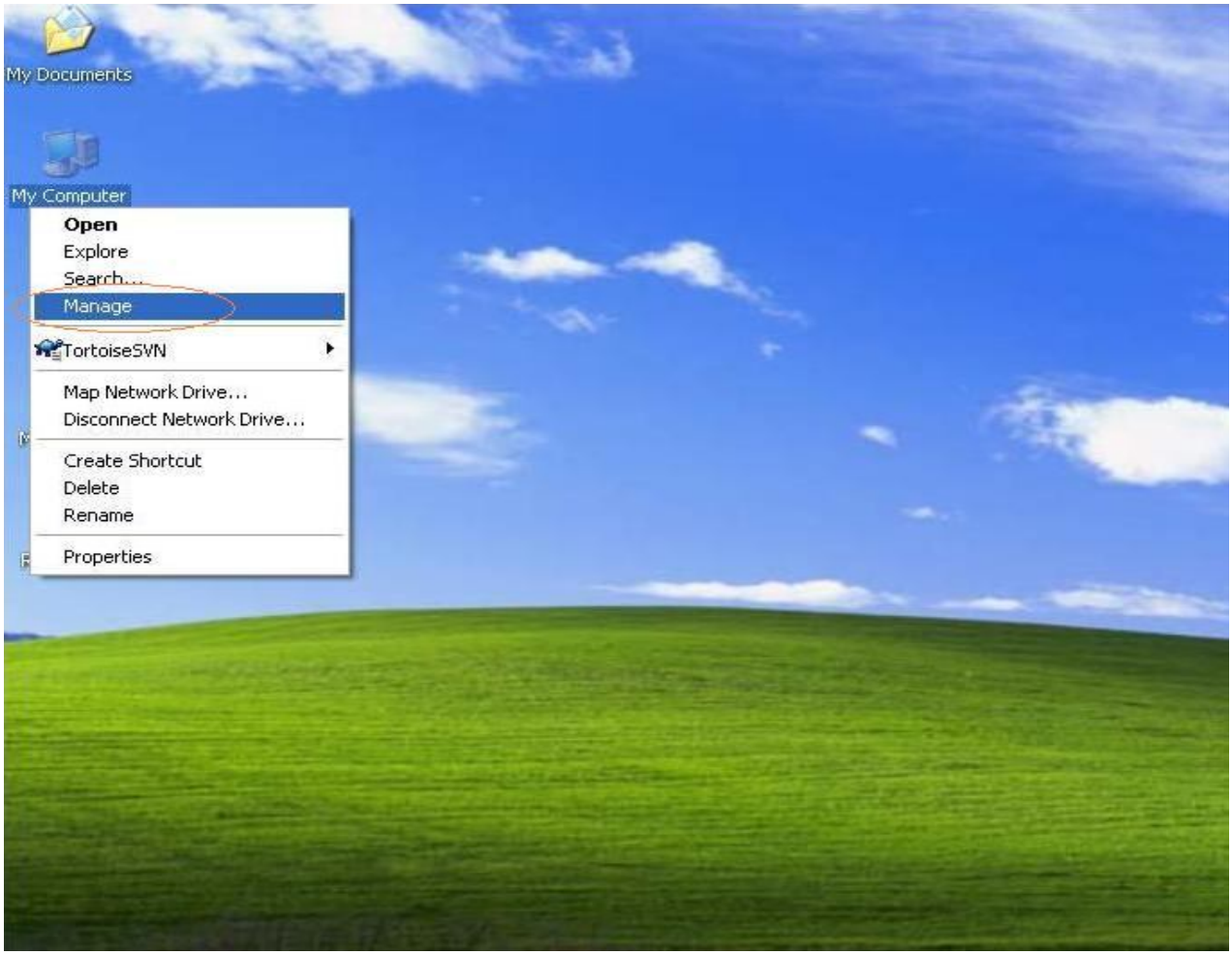




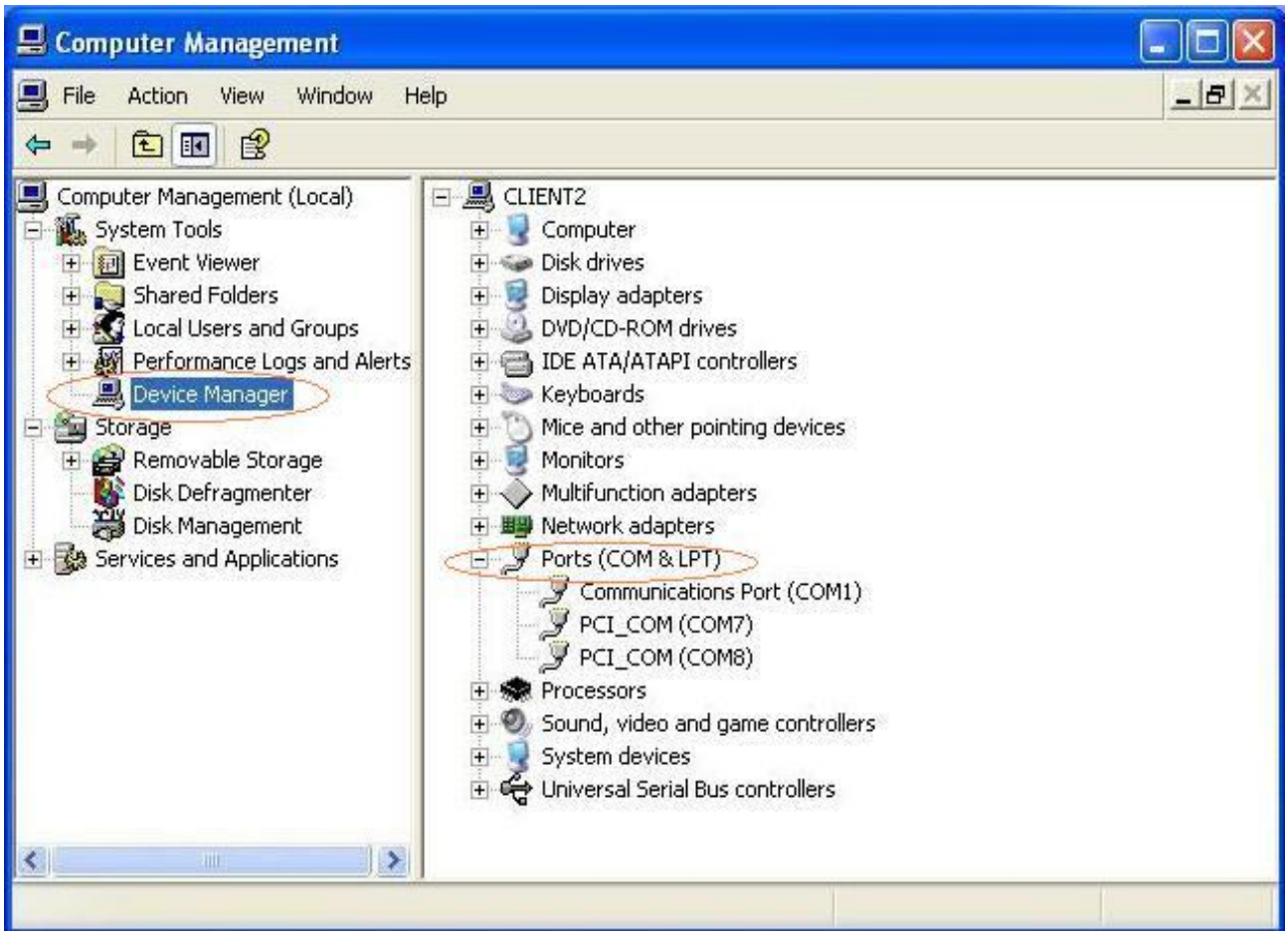
Note: LPT Port setting is done according to the configuration of the port. To check the port, right click on My Computer->Manage->In Computer Management Window->Click on Device Manager Tab and check for Comm. ports.

See images below on checking Comm. Ports.

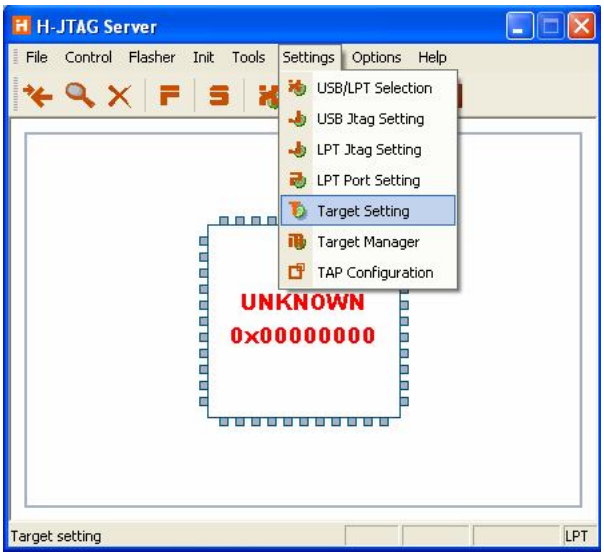
Right click on My Computer -> click on highlighted option as shown below.

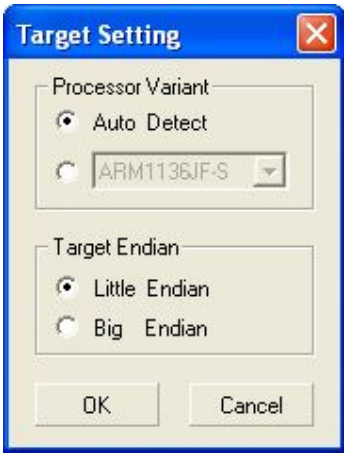


Click on device manager as shown in highlighted left panel. In right panel you could observe a circled text depicting Comm. Ports.



STEP 6:

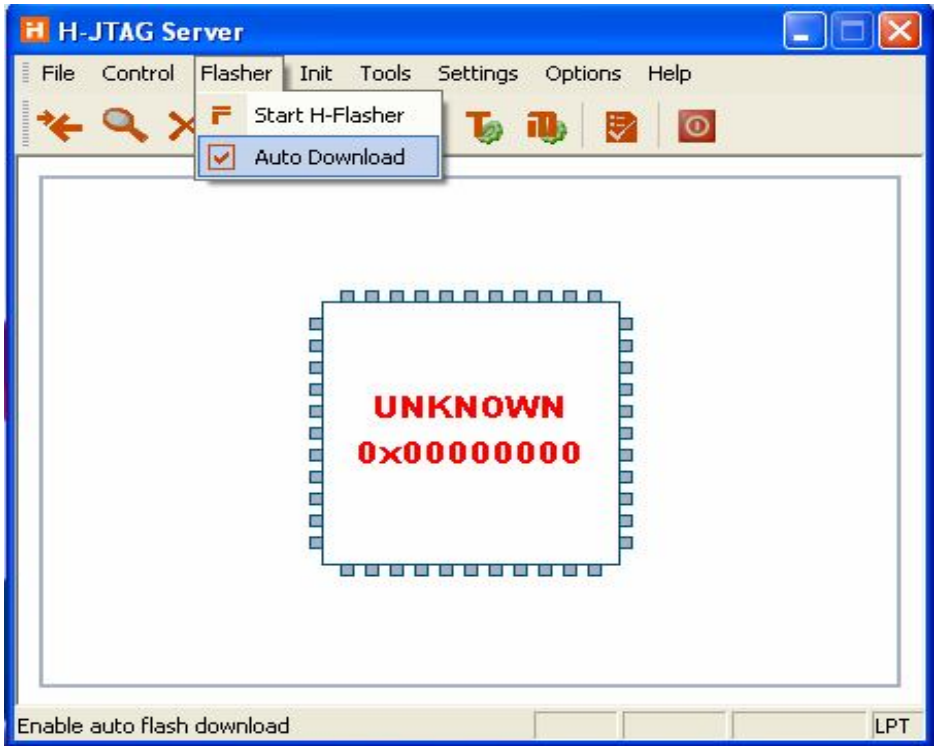




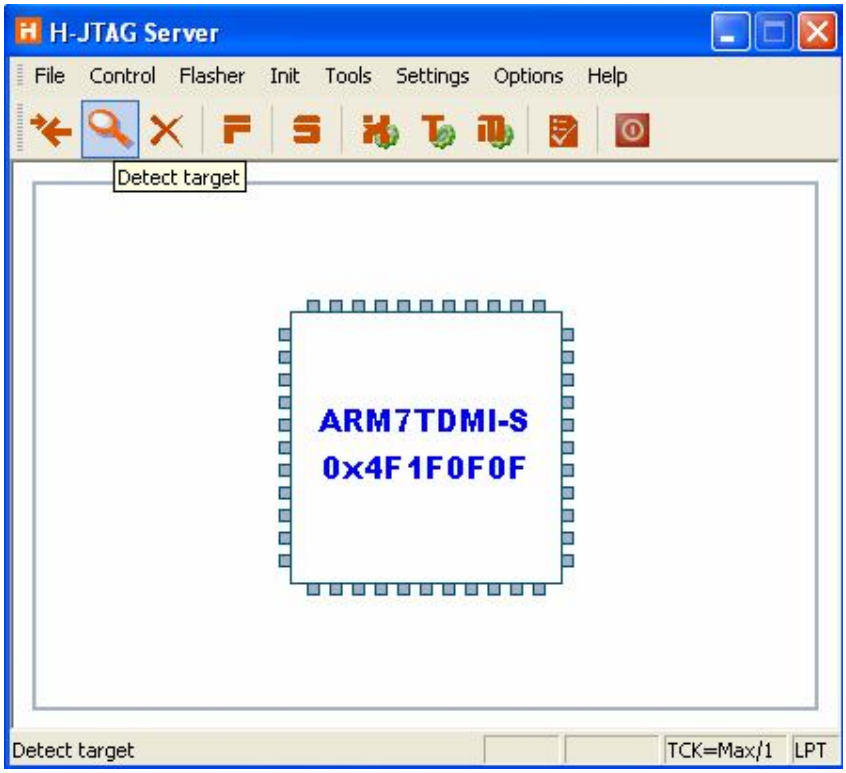
In target setting option, choose Processor variant as Auto Detect & Target Endian as Little Endian.

STEP 7:

Select Auto Download Tab for downloading of Code.



Step 8.



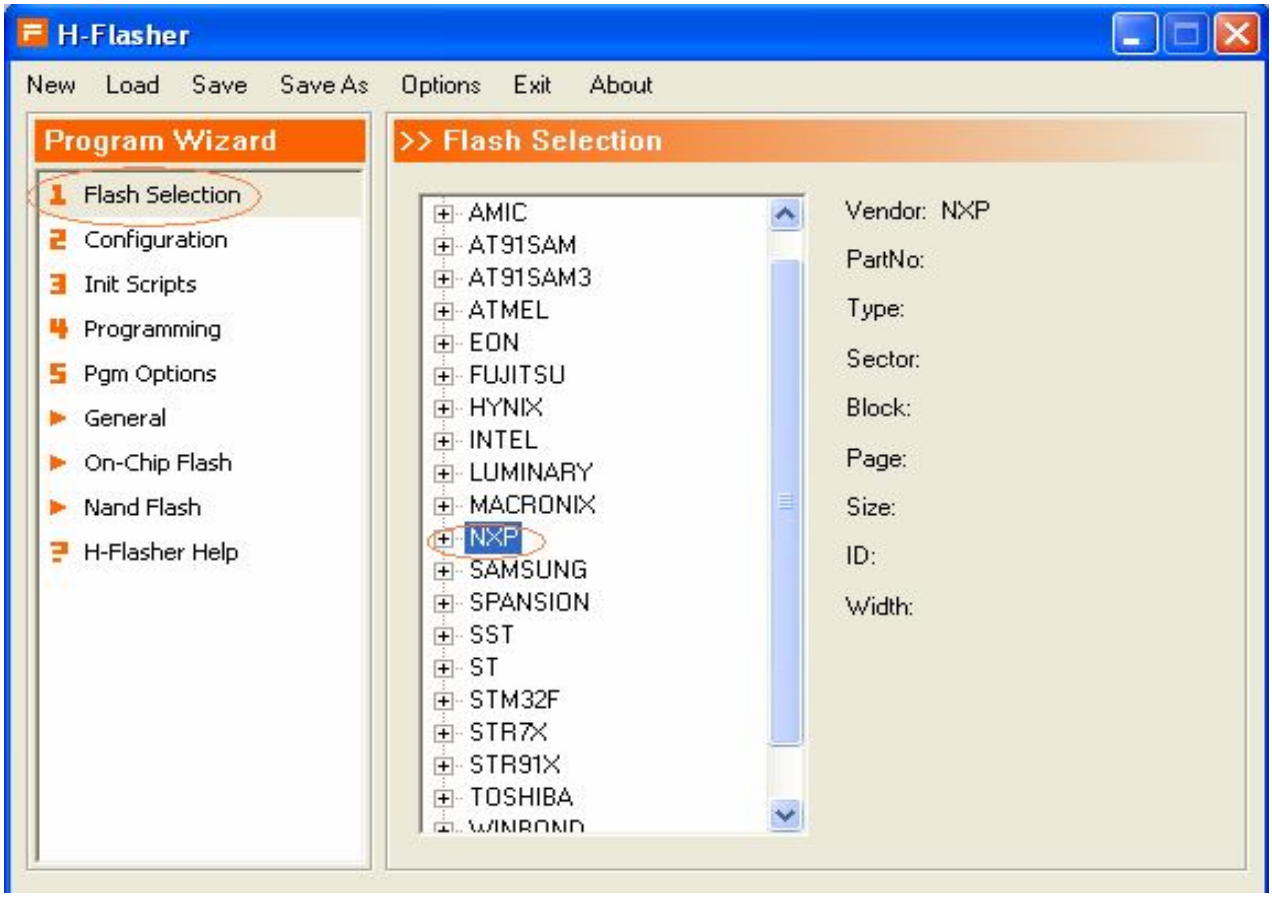
After all the setup is done, if you click on detect target. The target microcontroller will be detected and displayed as shown. Here we are using LPC2148 Board as an example and hence ARM7 is being detected.

Note: The Parallel JTAG and board should be connected and powered up so that H JTAG Server detects the device.

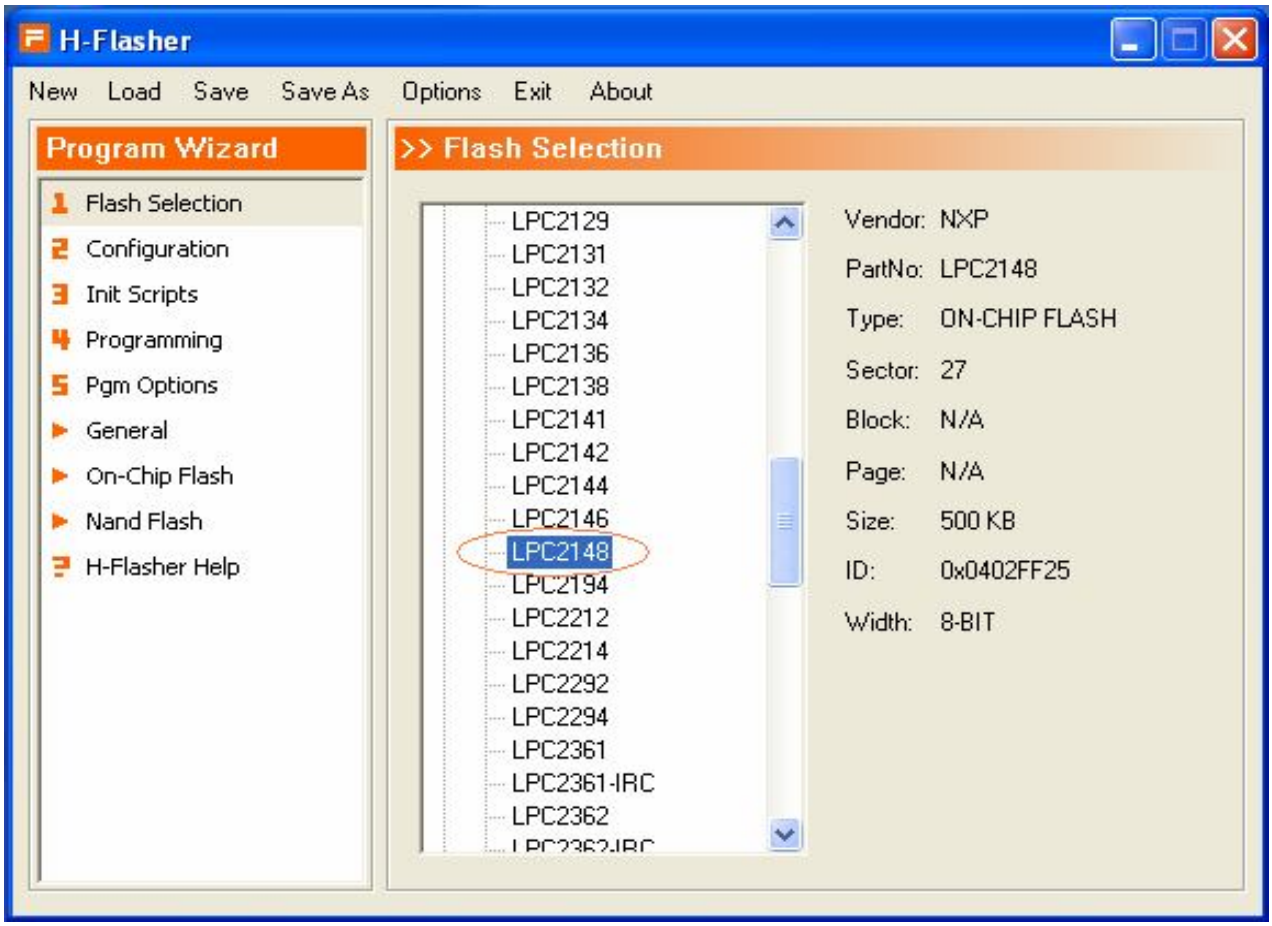
IV. STEPS TO CONFIGURE H-FLASHER

STEP1:

Click on Flash Selection in Program Wizard Tab, select controller vendors and appropriate controller as per the application needs.



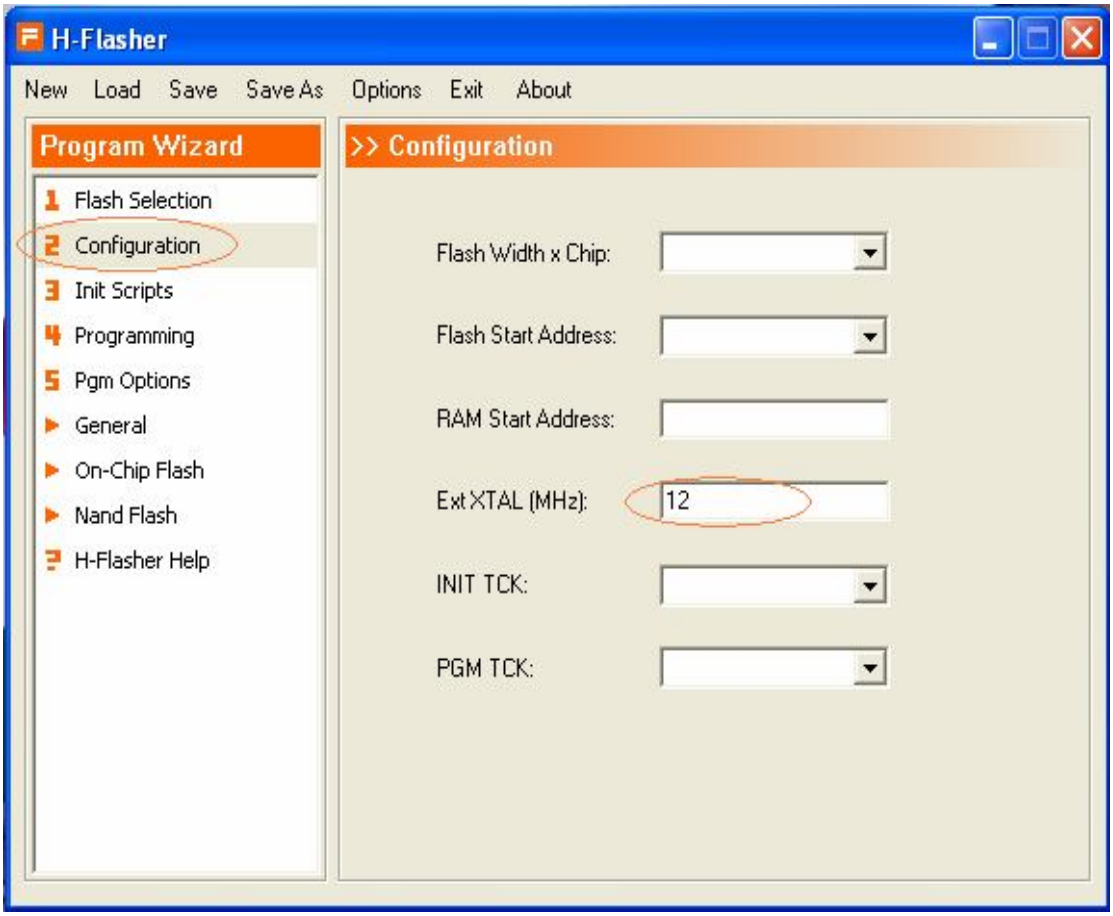
In the example shown in above fig, observe vendor selected is NXP and controller is LPC2148 as shown in below fig.



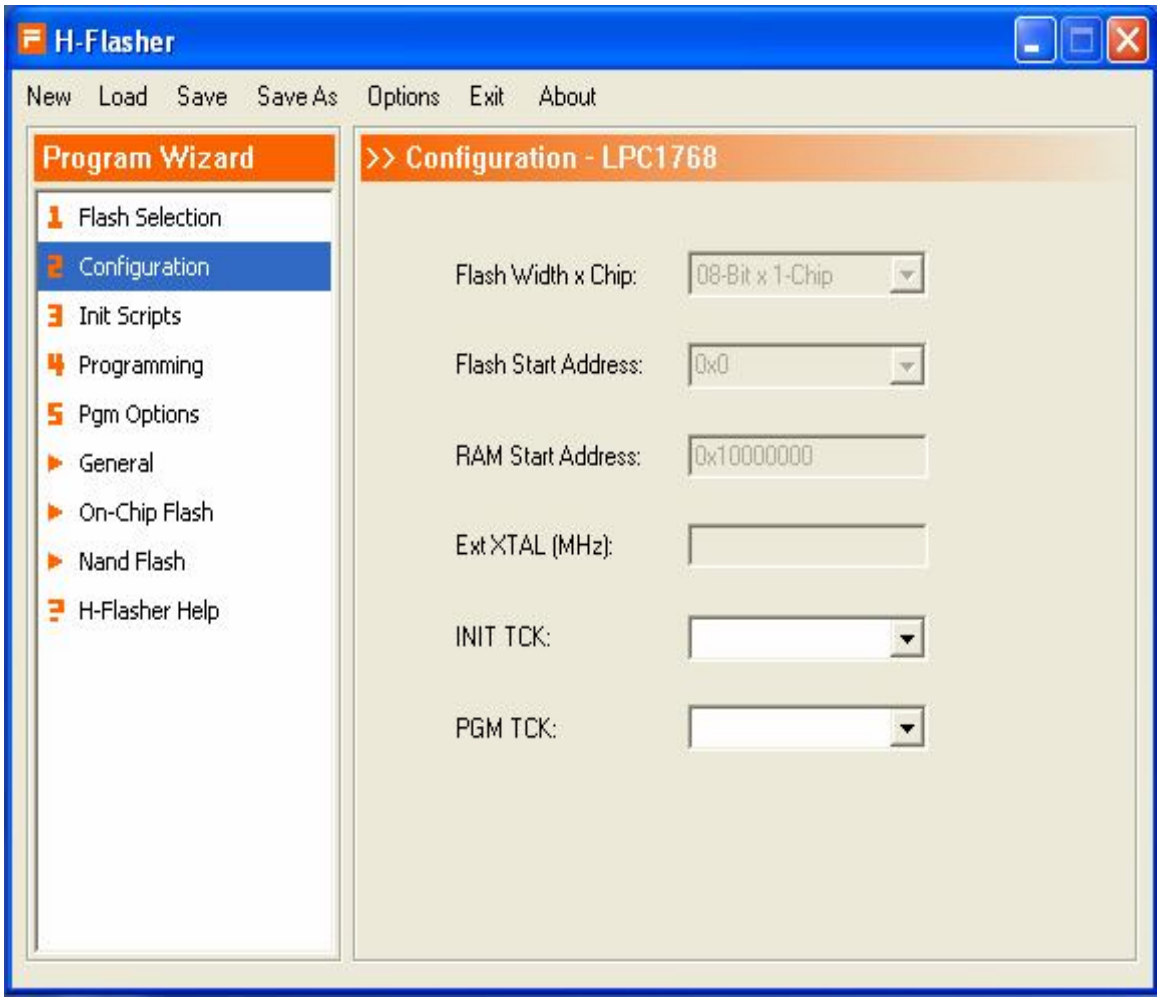
STEP 2:

Click on configuration option and set Ext XTAL (MHz) depending on the controllers.

In the example shown below, it is set to 12MHz.

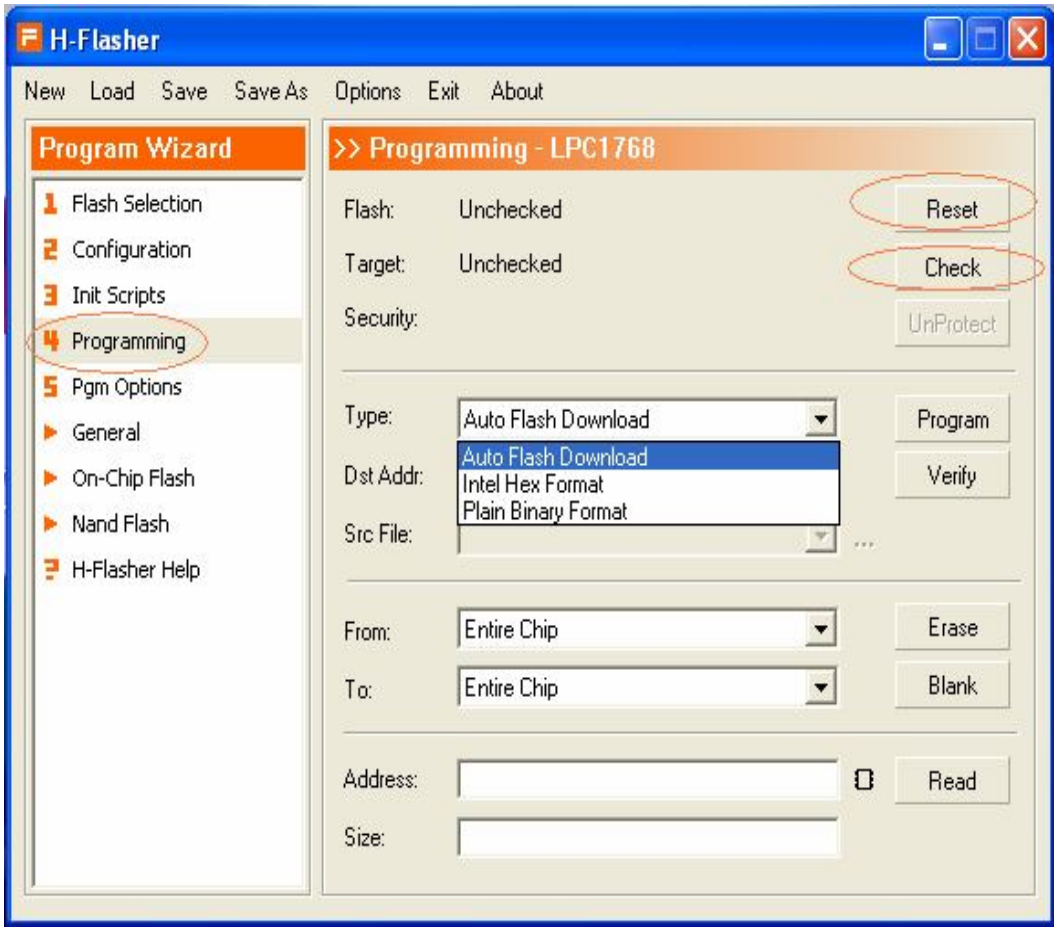


Note: If using NXP-1768 controller, you need not set Ext XTAL (MHz) in Configuration of H-Flasher. Such instance is shown in the image below.



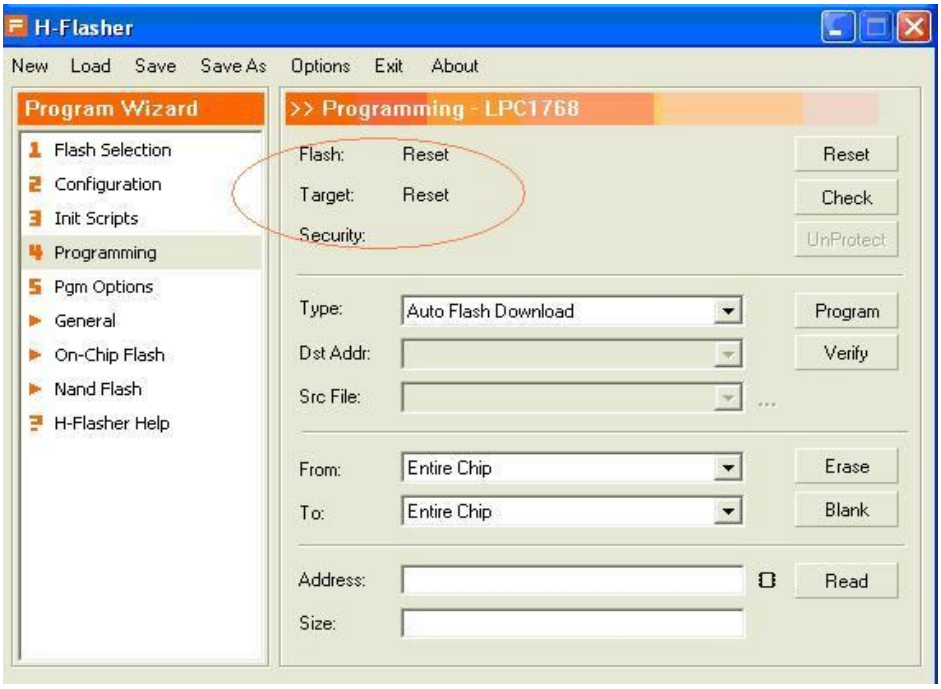
STEP 3:

Click on Programming option in Program Wizard Tab for selection of appropriate ways of downloading of codes into controller.

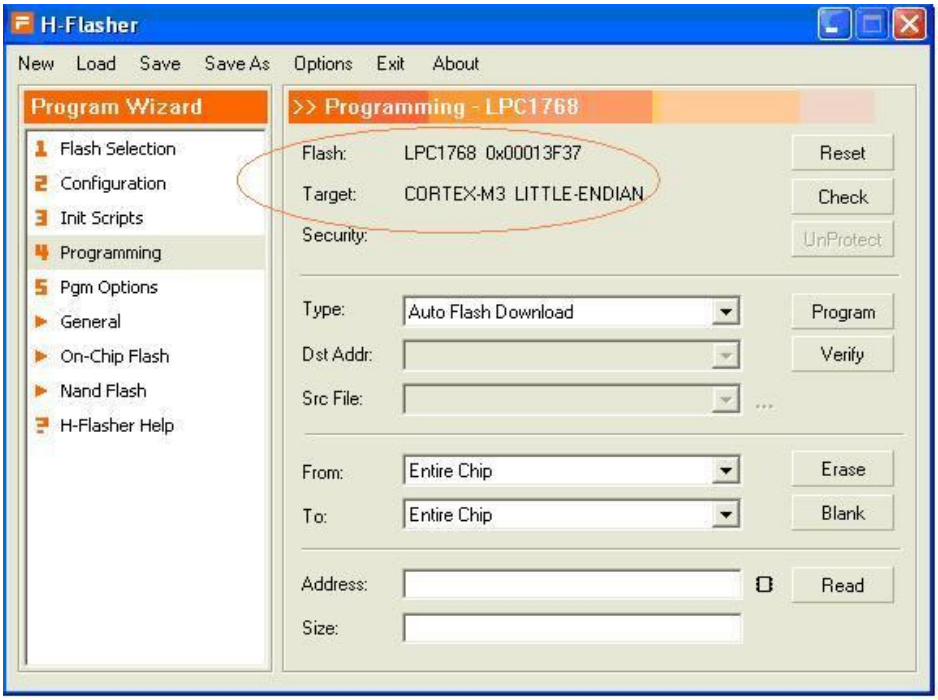


Click on Reset and Check buttons after selecting Type.

See below images, post click on Reset and Check buttons.



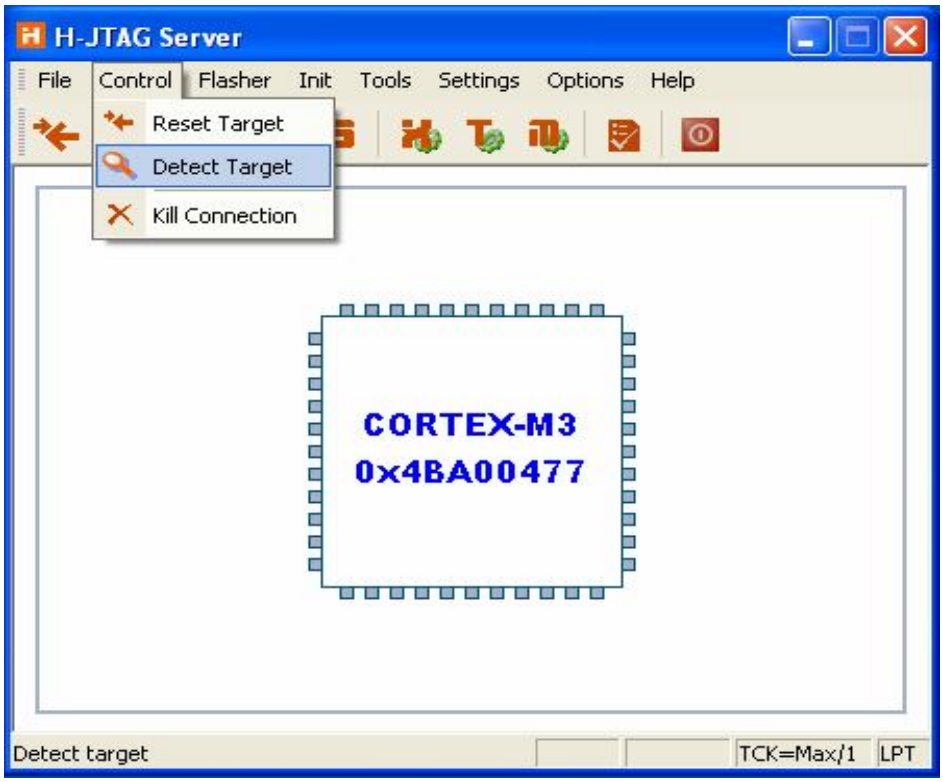
(Above image depicts image after clicking on Reset button)



(Above image depicts image after clicking on Check button)

After configuration of H-Flasher, go back to H-JTAG Server and do the following as below.

To detect target device, click on Control menu-> Detect target.



Note: After all these installations and initial configurations, you can go to Kiel uVision4 and use the options provided to program the device.

To know how to use Kiel uVision4 software for programming and to program the device, see video.