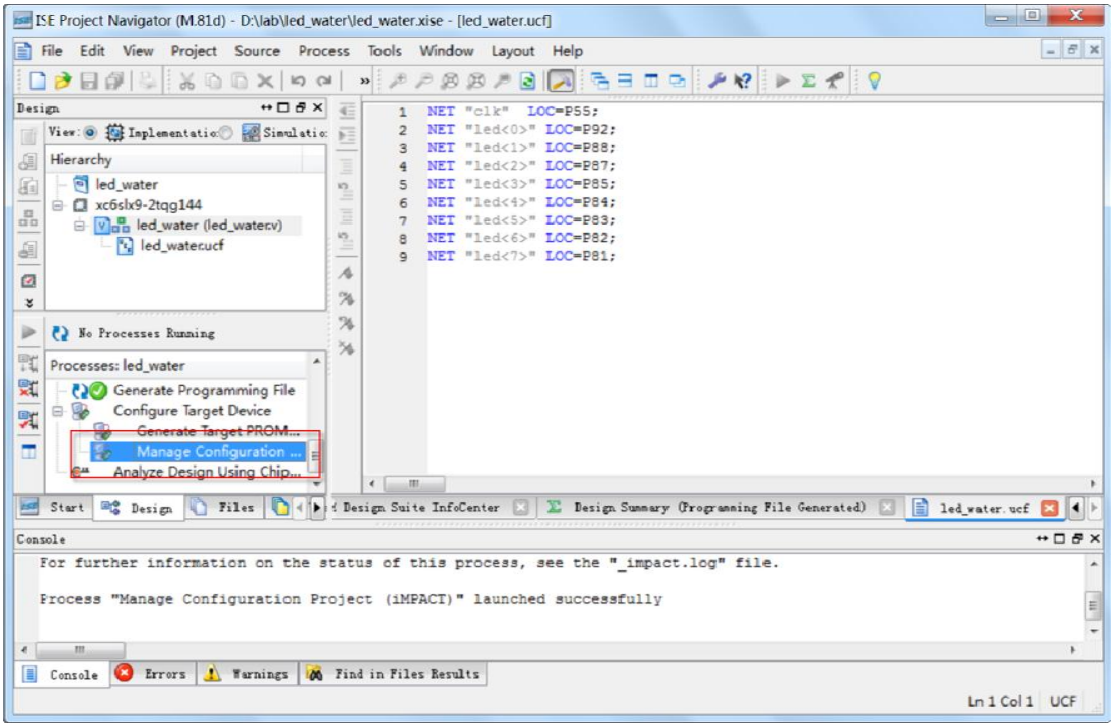
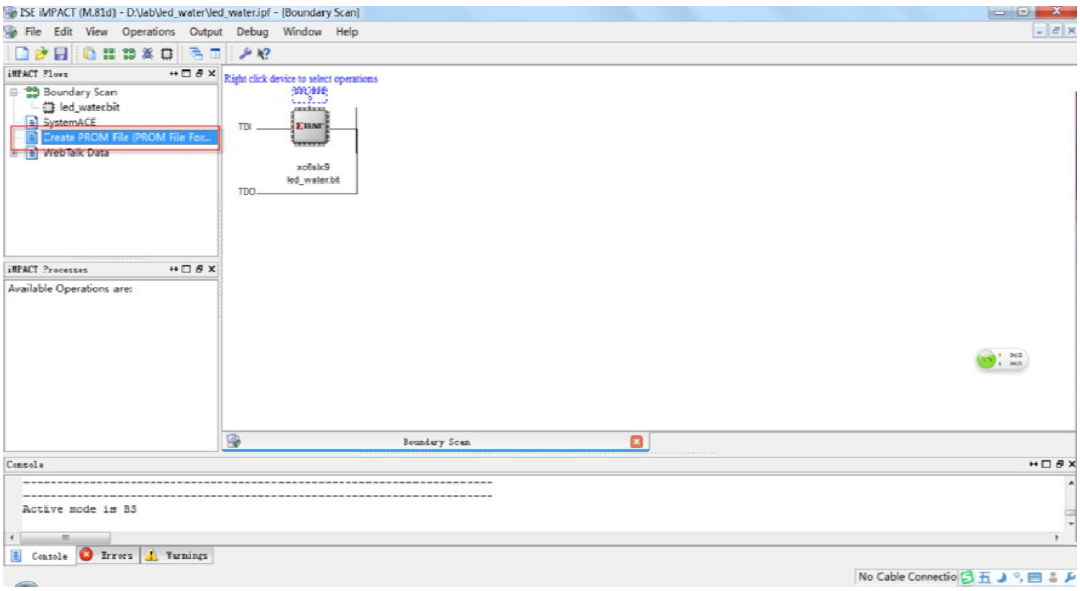
Generate MCS file and download it to configuration FLASH with JTAG

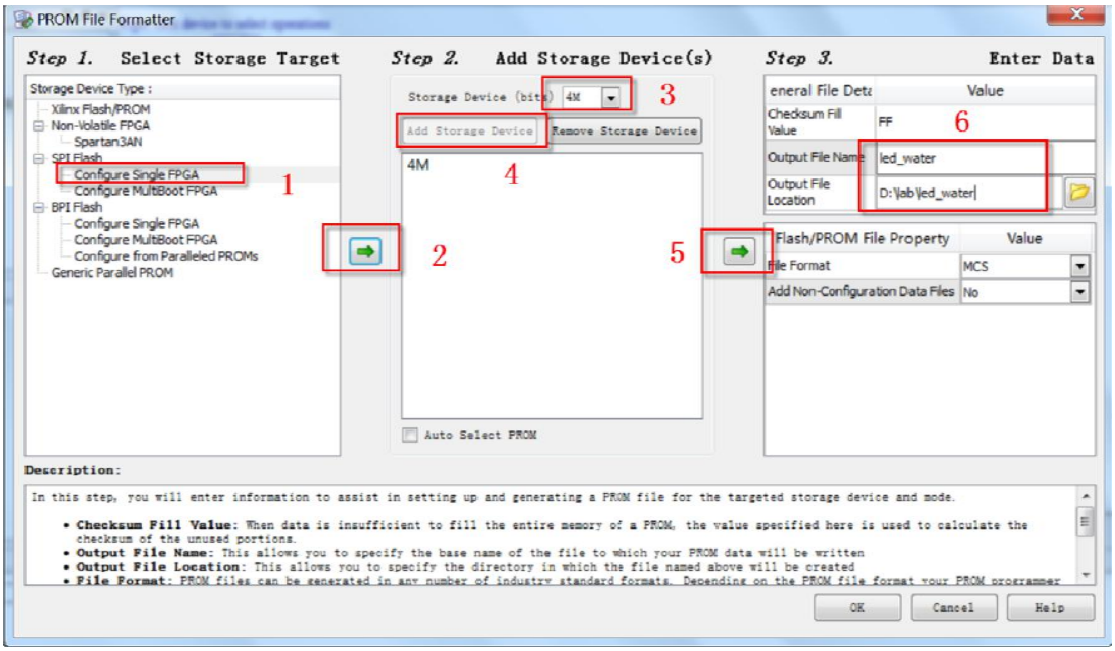
Generating the MCS file is also done in IMPACT, so some steps are the same as in the third chapter. Double-click the Manage Configuration Project in the project or locate the IMPACT software in the Start menu and click Open.



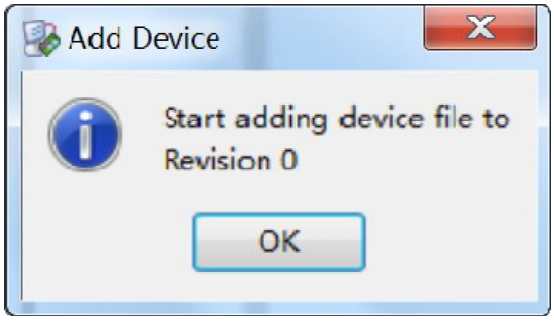
Before downloading the .mcs file, first generate the .mcs file.



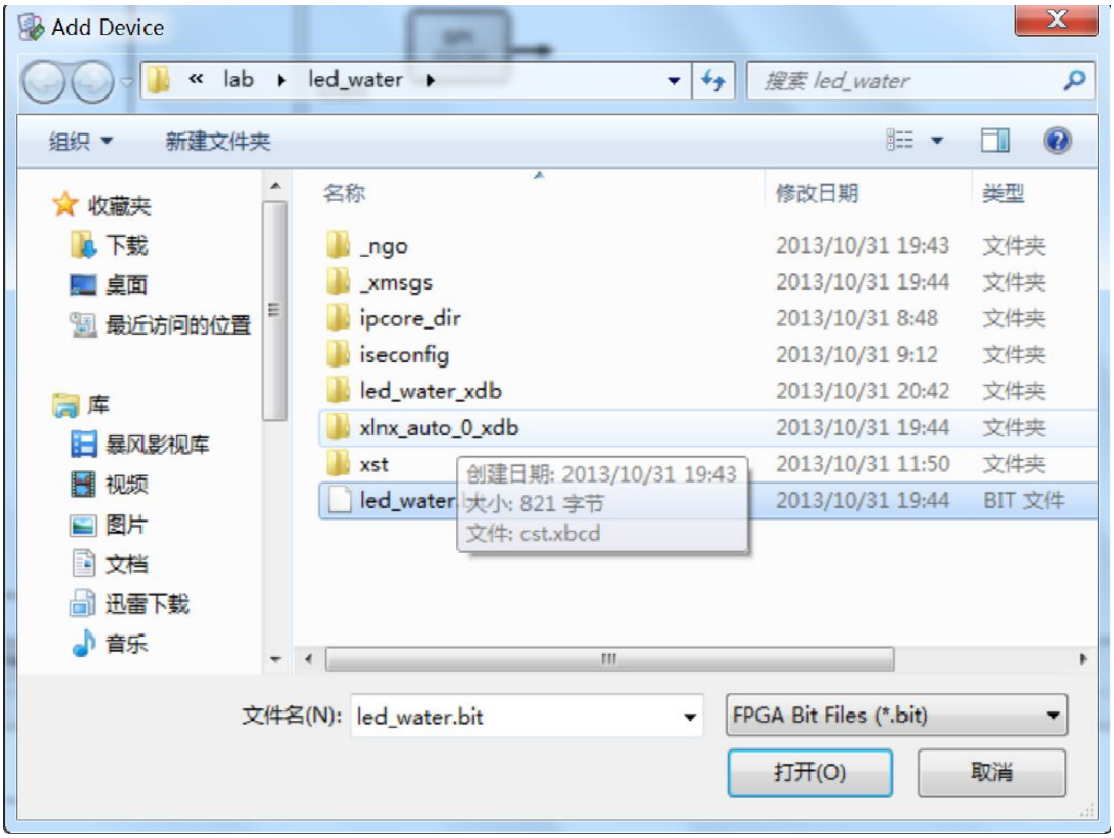
Add Flash according to the steps in the figure below, follow the steps of the figure number, step 6, enter the file name, select the file storage path, and click OK. (Note that the current flash has been upgraded from MP25P40 [4Mbit] to MP25P16 [16Mbit], the third step in the figure below needs to be changed to 16M.)



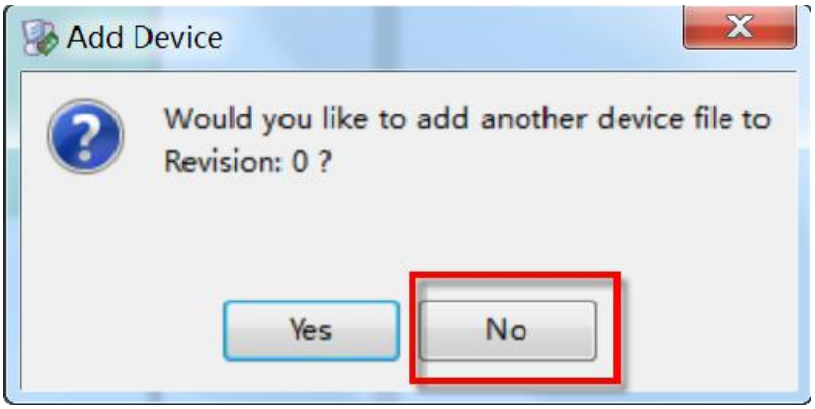
In the interface shown above, Output File Name is the name of the generated .mcs file, and OutputFileLocation is the location where the .mcs file is output. Clicking OK will bring up the dialog shown below.



Clicking OK on the dialog shown above will bring up the dialog shown below.

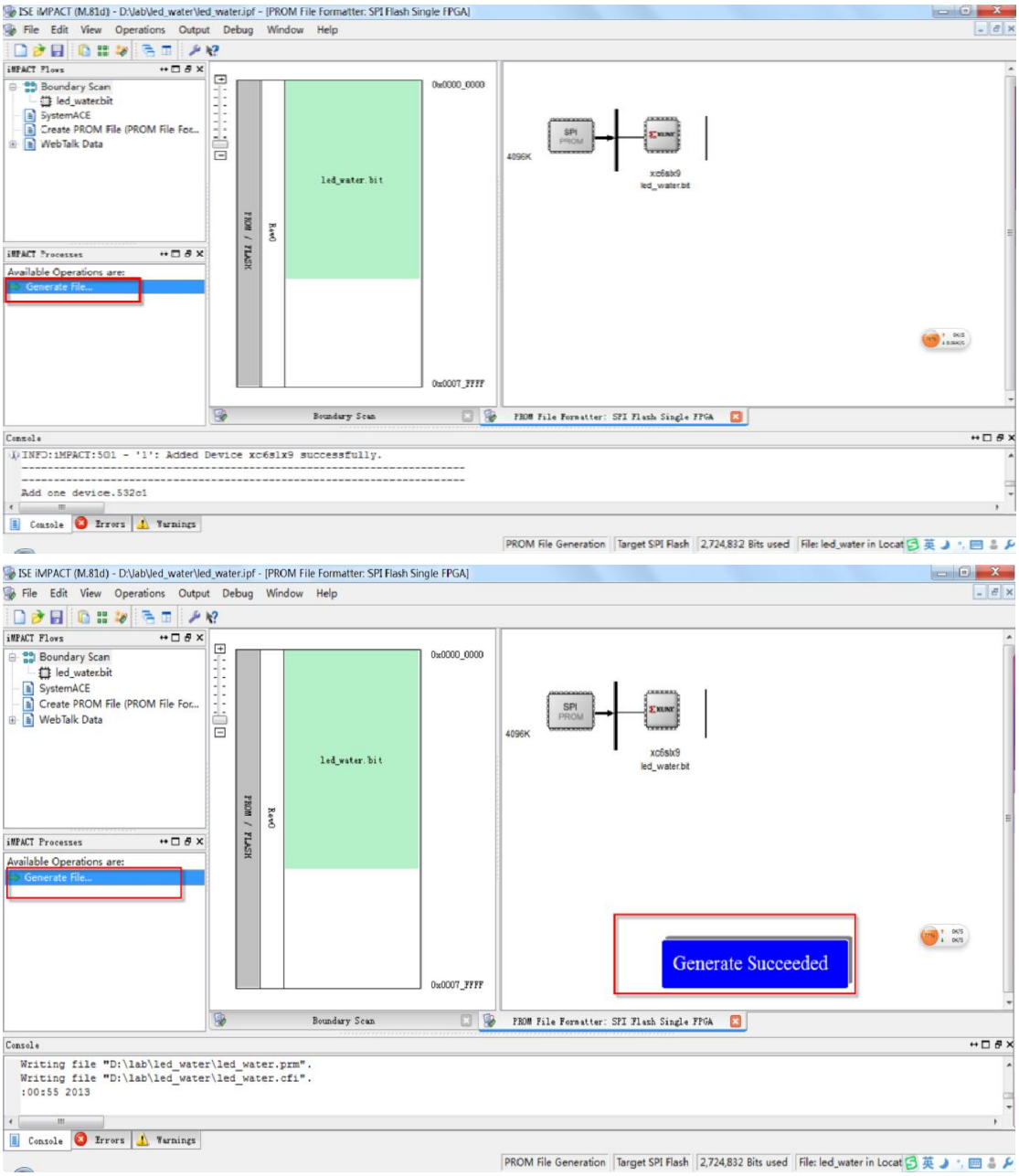


Select the .bit file you want to convert and click Open to bring up the dialog shown below.



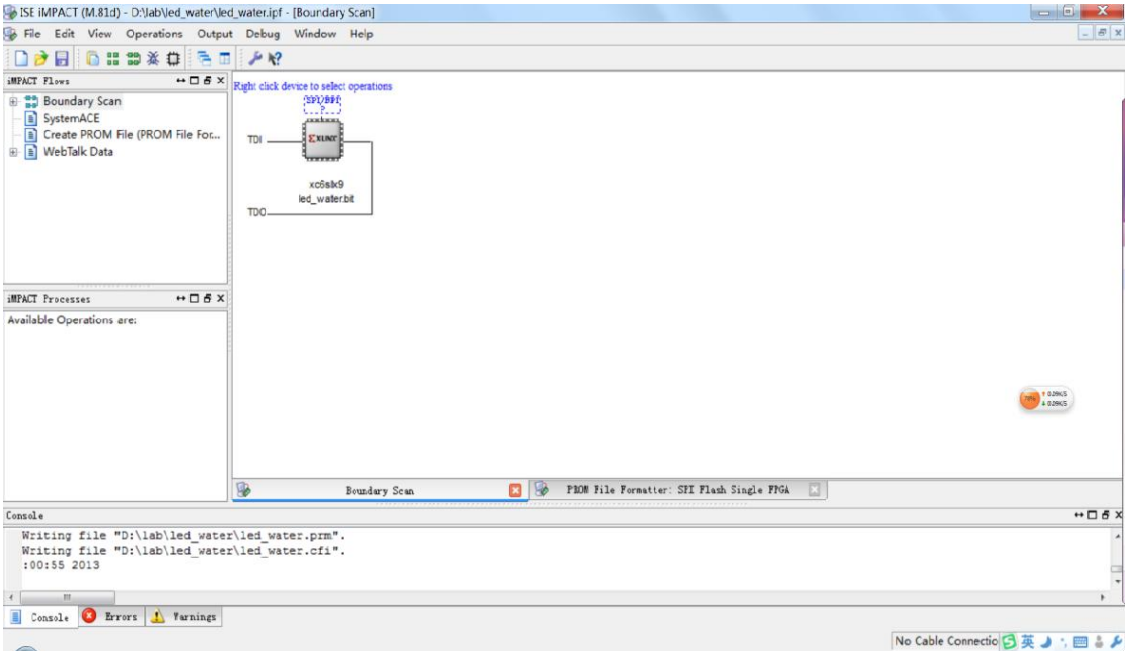
Clicking on the NO in the dialog shown above will bring up the dialog shown below.

After clicking OK in the dialog box shown above, double-click GenerateFile on the left in the dialog box shown below...

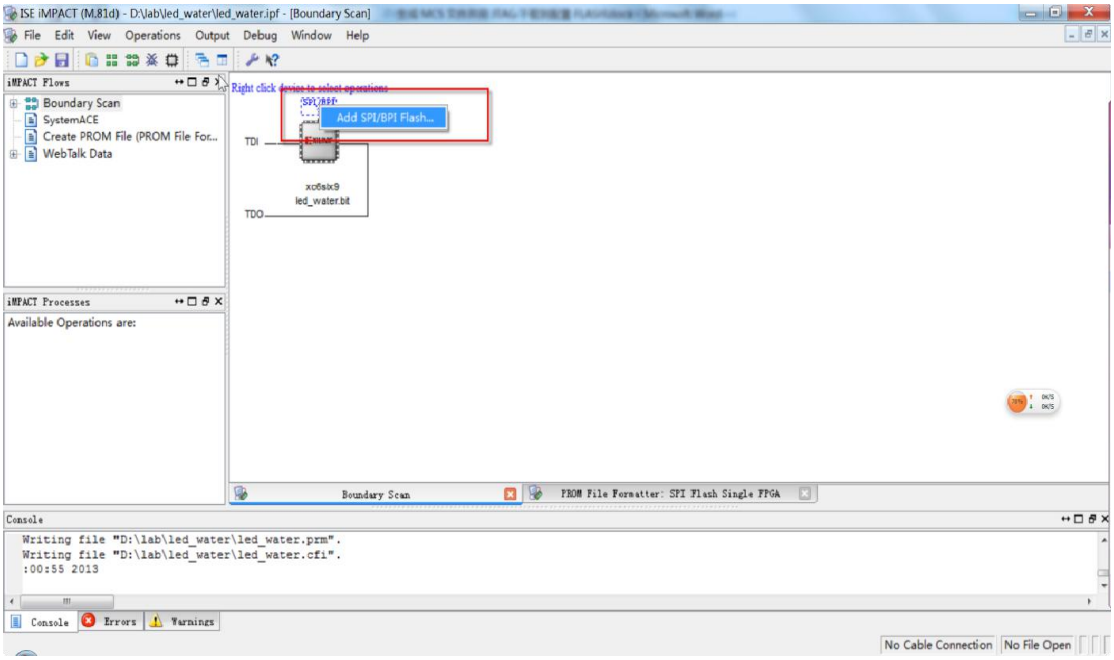


In this way, the mcs file is generated successfully.

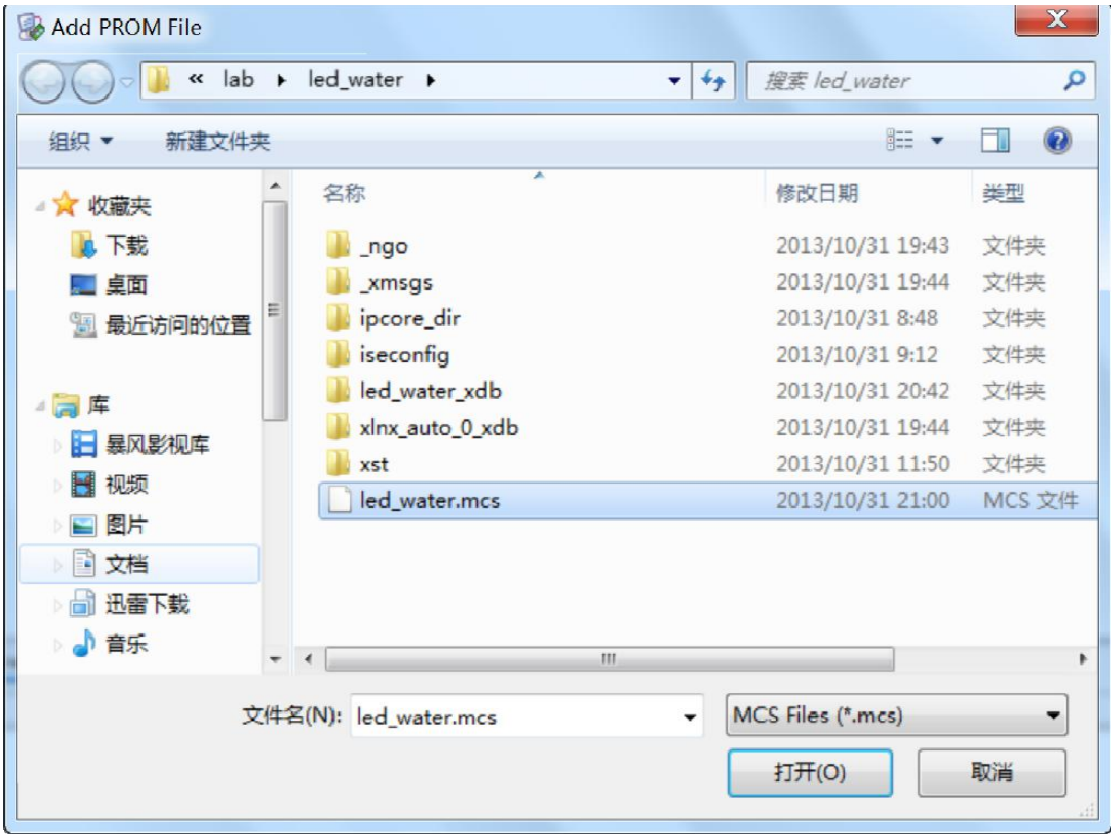
In this way, the mcs file is generated successfully. The following is the official download of the .mcs file. Double-click the BoundaryScan in the interface shown above to enter the interface shown below.。



In the interface shown above, right click on the SPI/BPI and select Add SPI/BPI Flash as shown below.

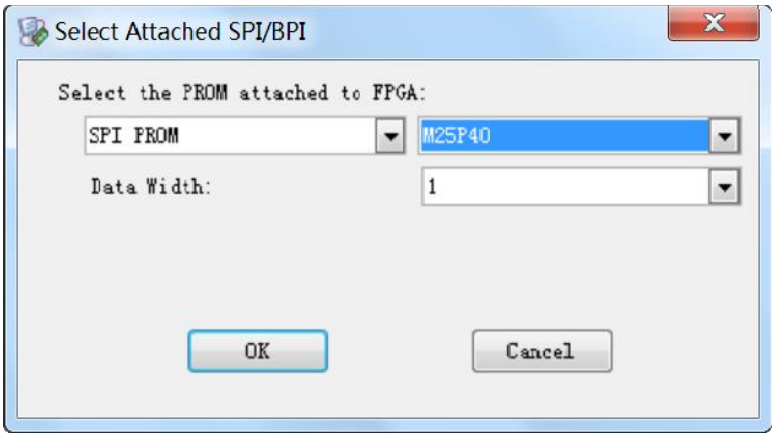


The following dialog box appears, select the .mcs file to download.

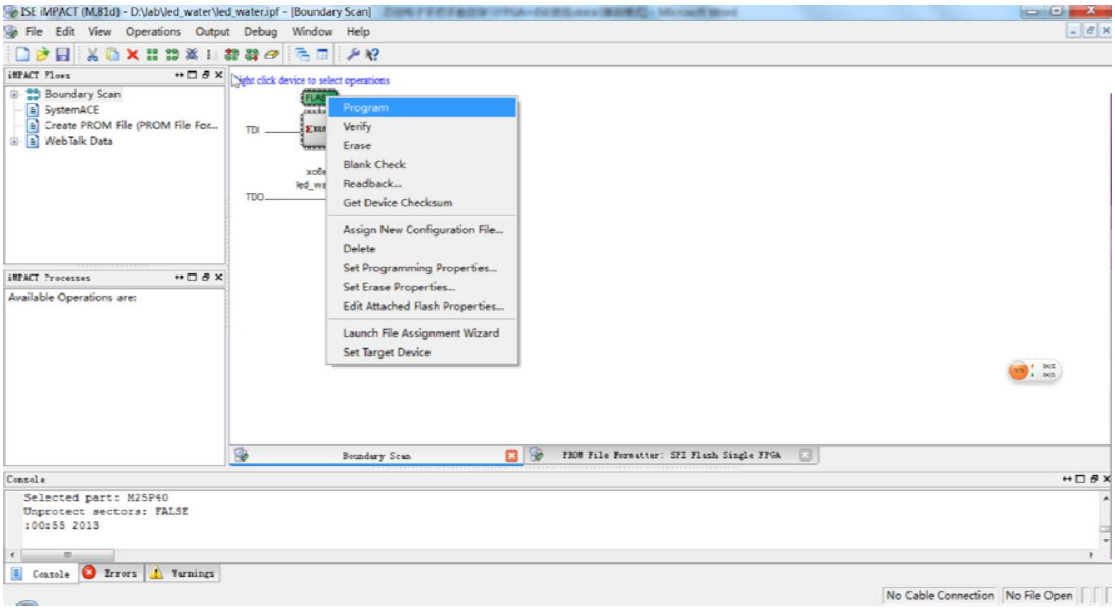


After clicking Open, the dialog box shown below will appear, (Note that the current flash has been from the original MP25P40

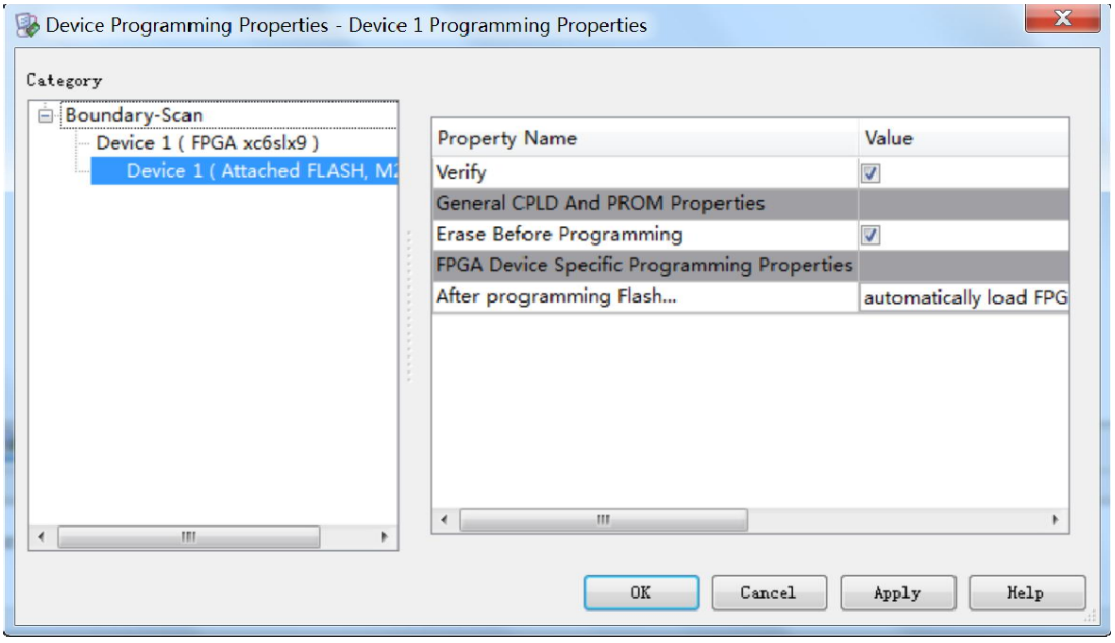
[4Mbit], upgrade to MP25P16 [16Mbit], the corresponding changes in the following figure.)



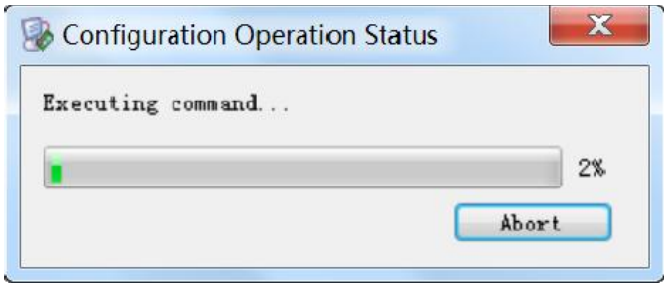
In the above dialog box, select the model of SPI PROM. The SPI PROM model used in the development board is M25P40 (note that the current flash has been upgraded from the original MP25P40 [4Mbit] to MP25P16 [16Mbit], and the settings are as shown below. After setting, click OK and the interface shown below will appear. In FLASH...

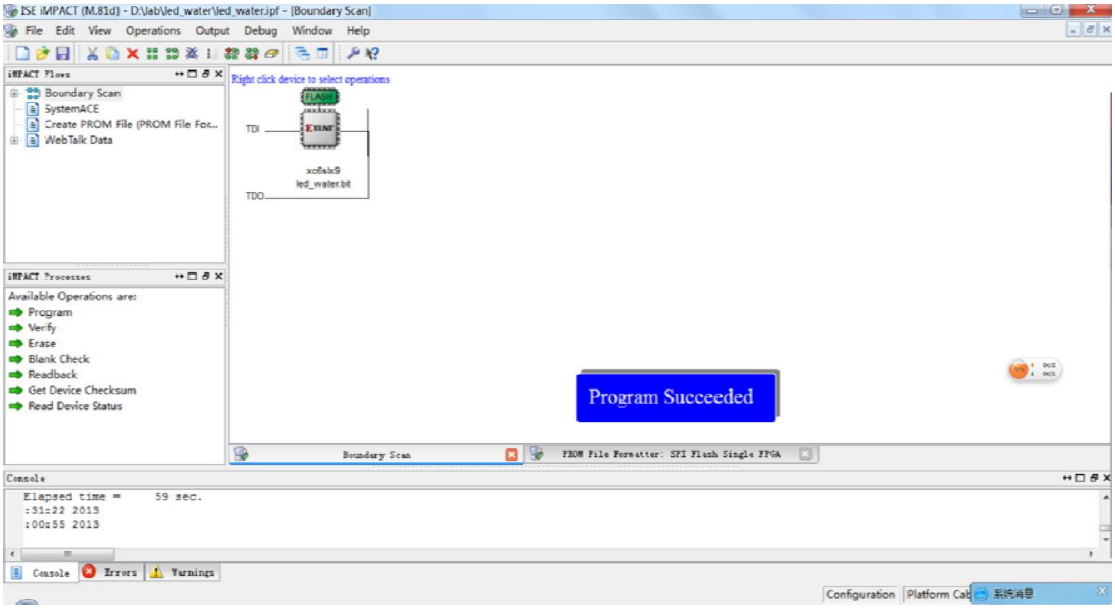


Click Program and the dialog shown below will appear, click OK.



After clicking OK, the download progress bar will appear. The download speed is a bit slow, so be patient.





After clicking OK, the download progress bar will appear. The download speed is a bit slow, so be patient.