PROGRAMMING USING USB PIC PROG

To program any PIC IC using Elementz USB PIC PROG follow the given steps. (For Windows Only)

1) Install the USB PIC PROG software.

2) Install the required drivers for the device. The software are available here: https://github.com/elementzonline/USBPicProg

3) Now connect the respective pins of the USB PICPROG to the PIC IC that is to be programmed. If you are using a bread board for connecting the wires, care must be taken to ensure that the VPP/MCLR pin is connected to the VDD by a resistance(10K).

4) Or you can use Elementz USB PICPROG flasher for easy and carefree programming.

5) After completing the connection connect the USB PICPROG to the computer using a USB cable and open the USB PICPROG Software.

6) Now we can see the window as in figure:1 showing “usbpicporg connected” at the bottom right corner.

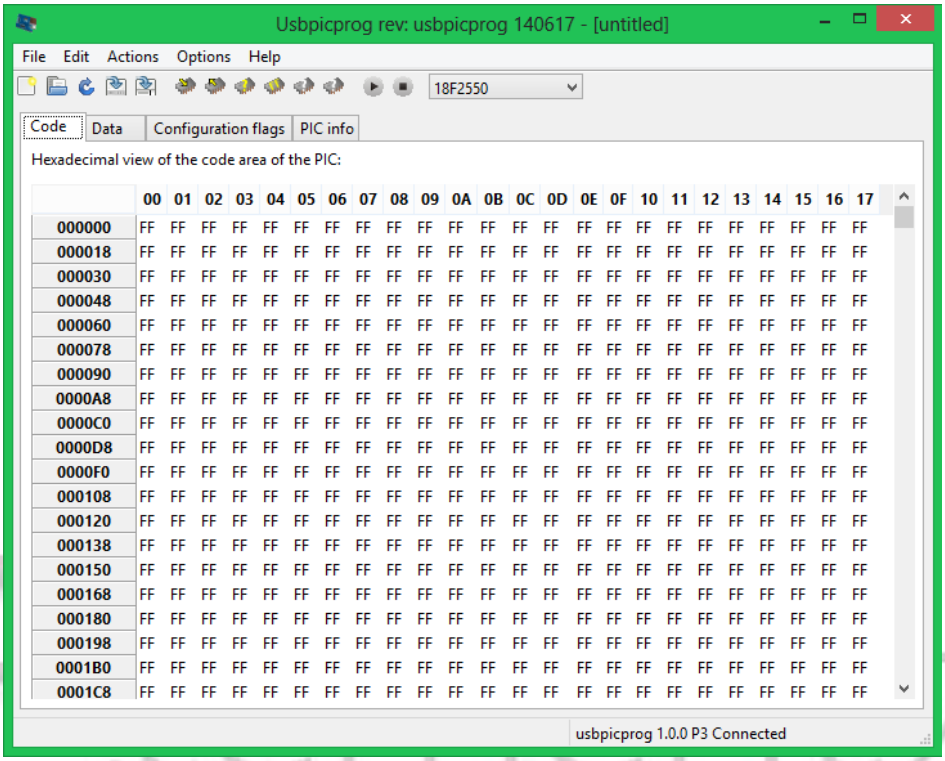


Figure:1

7) If it doesn’t shows the connected dialogue check whether the

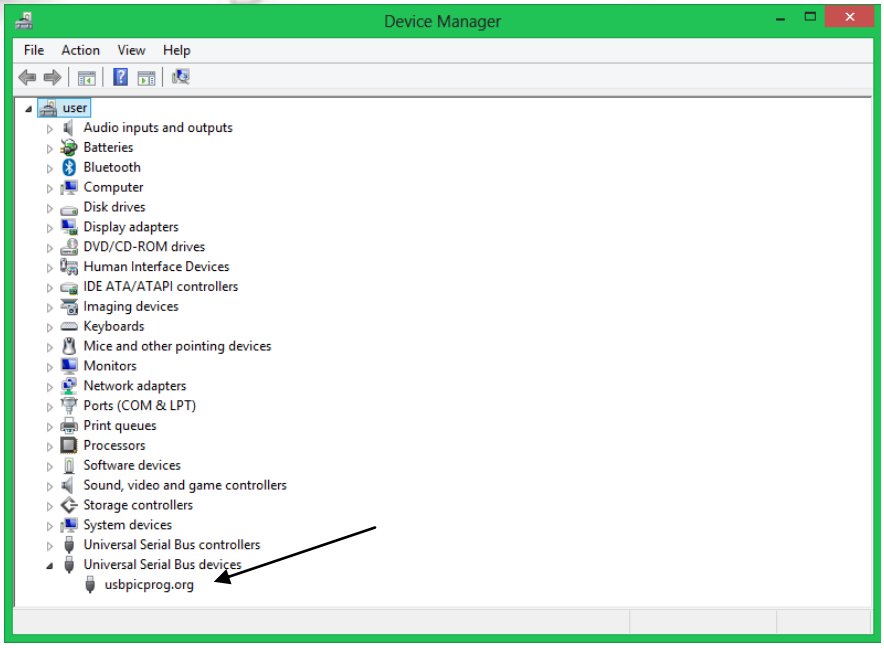


Figure:2

USBPICPROG driver is properly installed. If installed we can see the usbpicprog.org symbol in the device manager as shown in Figure:2.

8) If you have checked the “Auto detect on connect” in the Options--> preferences, then the PIC IC to be programmed will be automatically detected. Or you can check whether it has been detected using Actions--> auto detect. Wait for a few seconds for the IC to be detected. Then we can see the IC make at the bottom right corner of the window as shown in figure:3

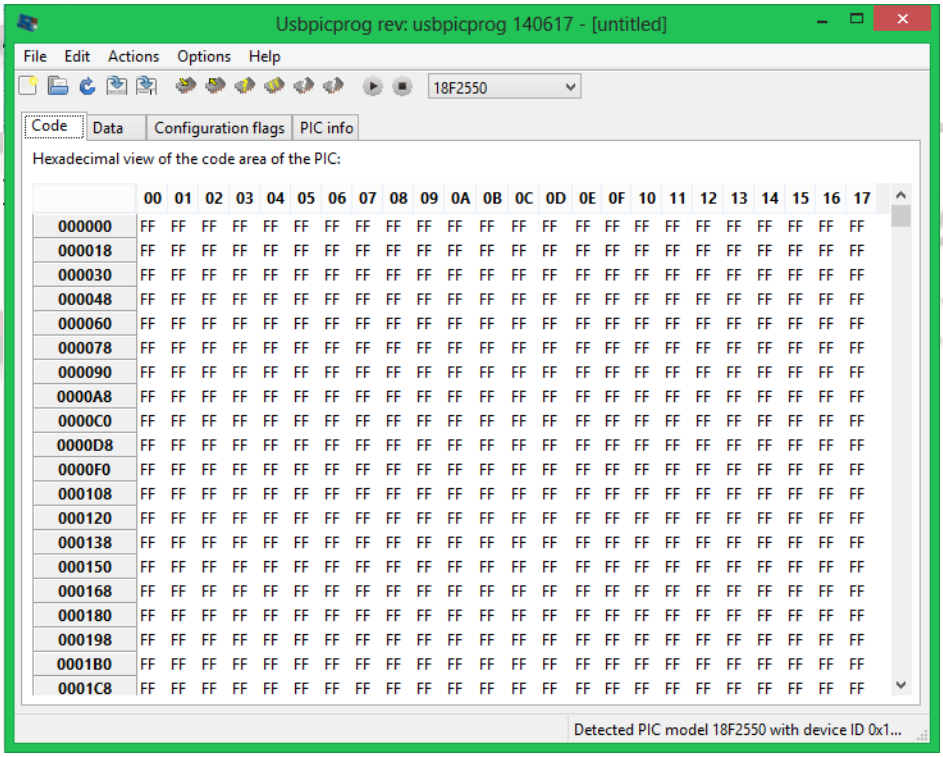
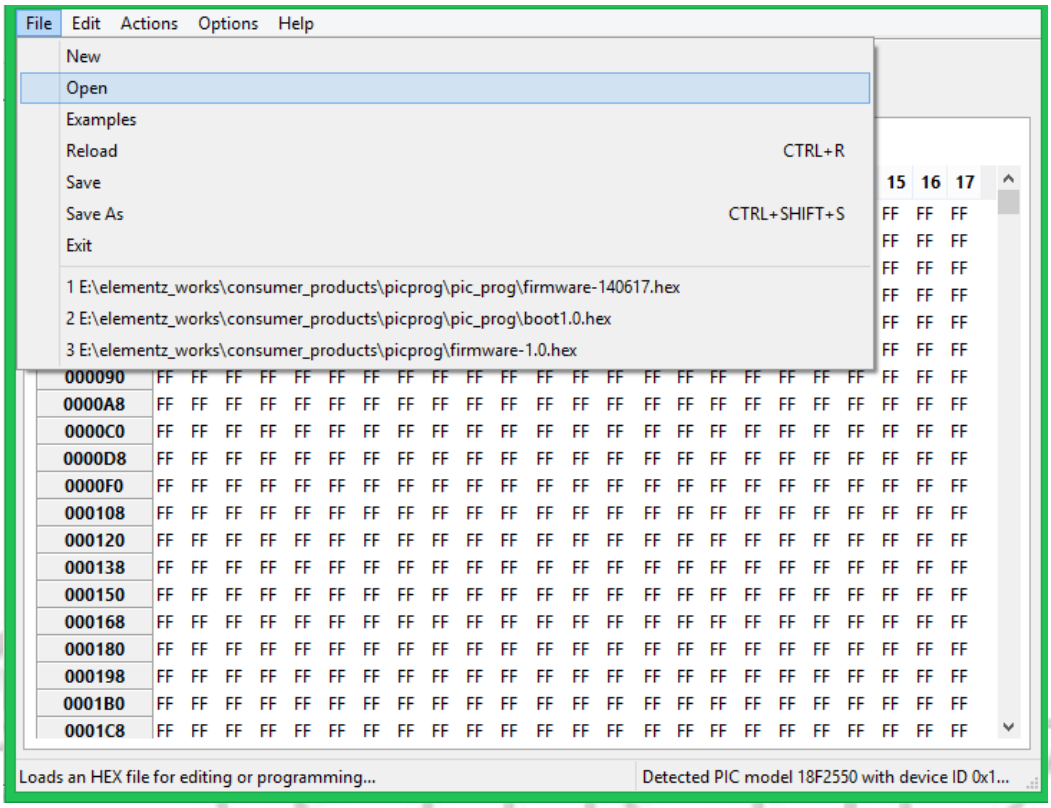
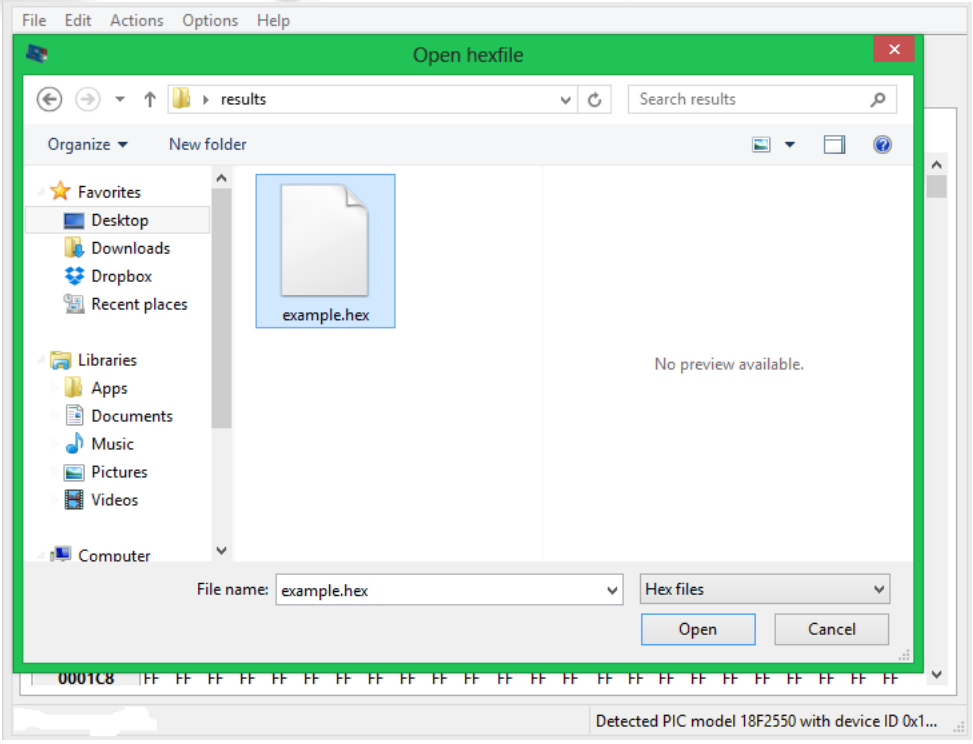


Figure:3

9) Now to program the IC open the .hex file to be loaded as File--



>Open-->"example".hex (where example.hex is the program you want to load in to the IC) and click open.



10) The program will be uploade to the PIC IC now. If you have checked the verify after programming column in Options-->preferences then a verification process also happens after programming . And if the programming is successful then “Verification successful” dialogue appears.