



USBPICPROG

USER MANUAL

Elementz Engineers Guild Pvt Ltd



Installing USBPICPROG software and drivers (Windows OS only)

To program any PIC IC using Elementz USBPICPROG follow the given steps.

- Install the USBPICPROG software.
- Install the required drivers for the device. The software are available here: <https://github.com/elementzonline/USBPicProg>.
- Connect the USBPICPROG to the USB of host PC using USB A-to-B cable.
- Open Device Manager to check whether USBPICPROG is detected.

If detected successfully we can see the usbpicprog.org symbol in the device manager as shown in Figure:1.

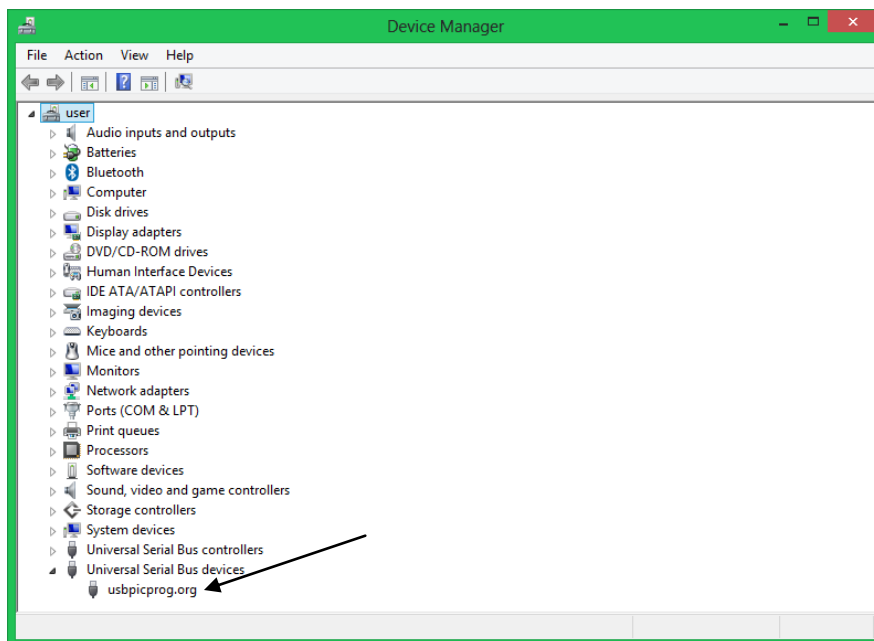
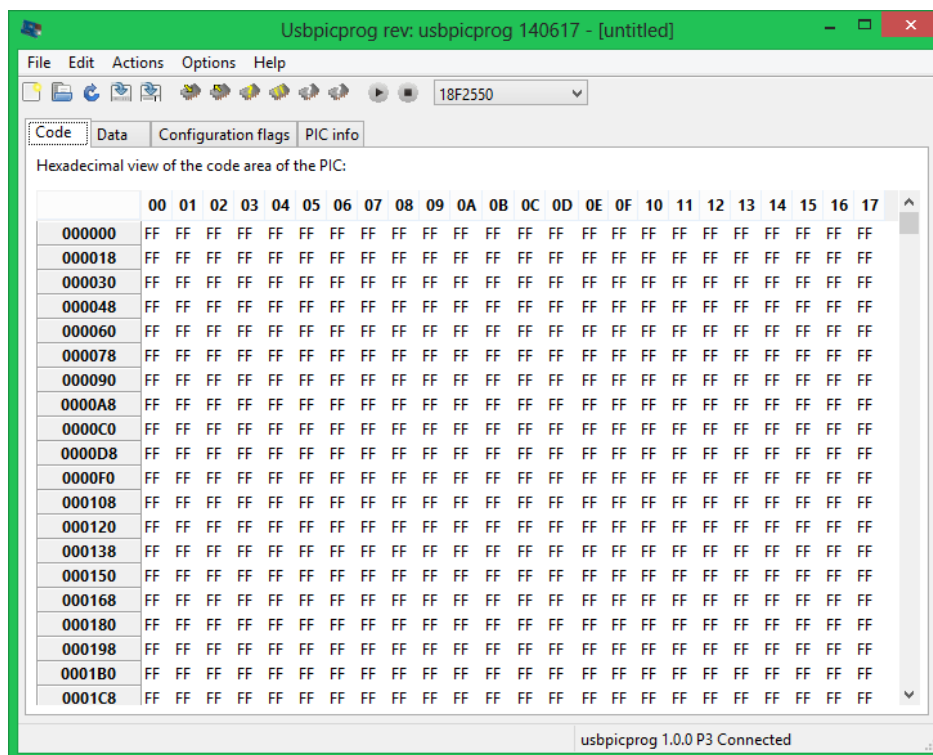


Figure:1

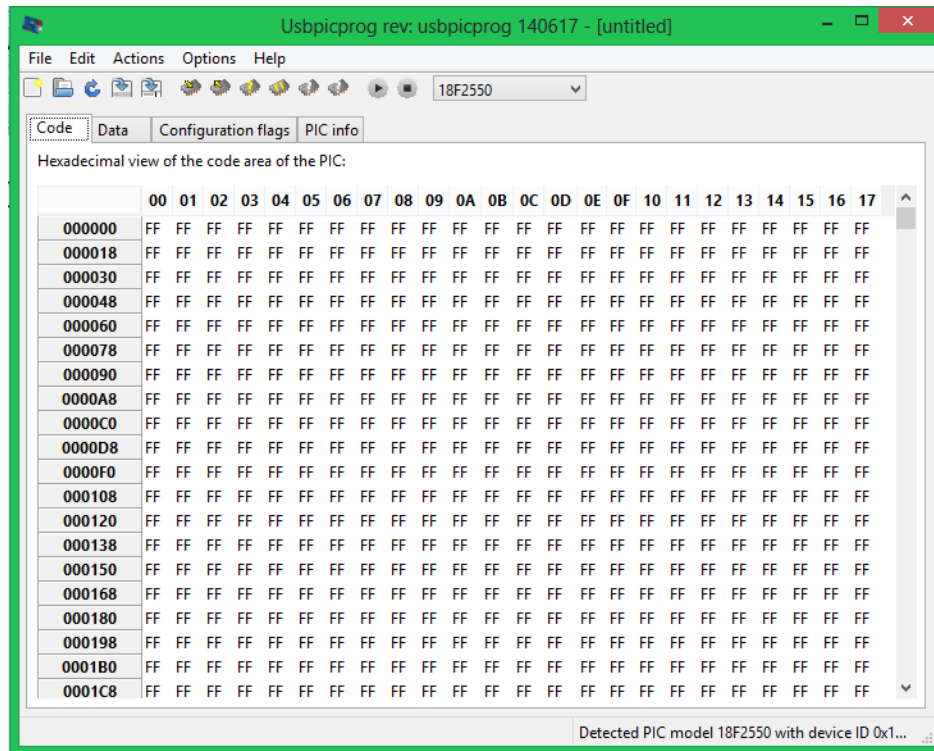
Connecting USBPICPROG to target hardware for programming

- 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).
- Or you can use Elementz USBPICPROG flasher for easy and carefree programming.
- After completing the connection connect the USBPICPROG to the computer using a USB cable and open the USBPICPROG Software.

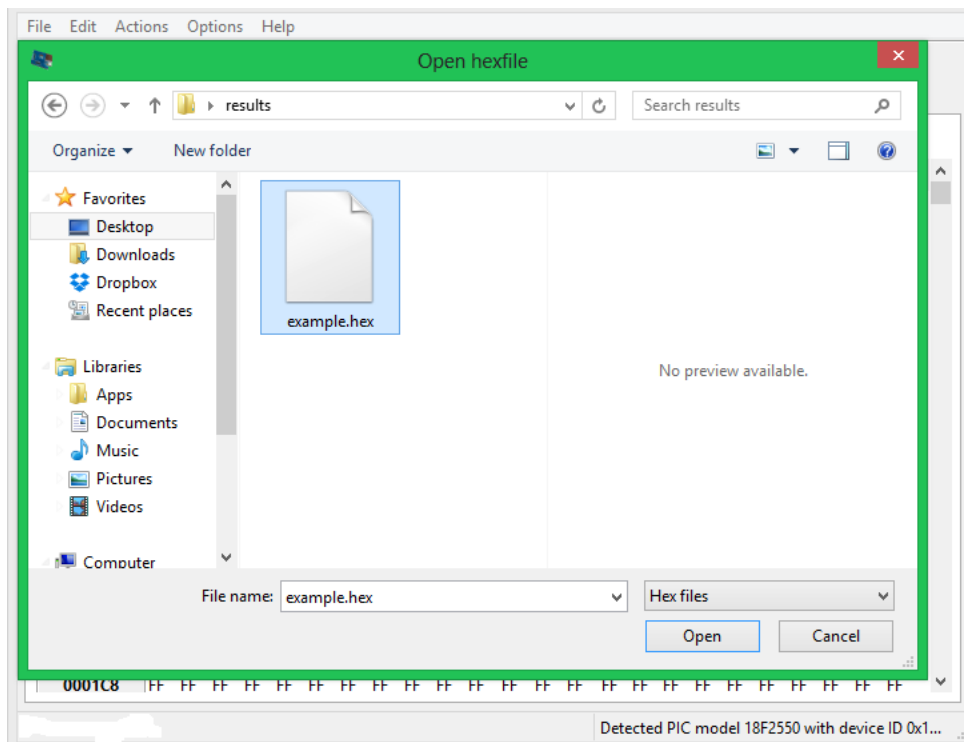
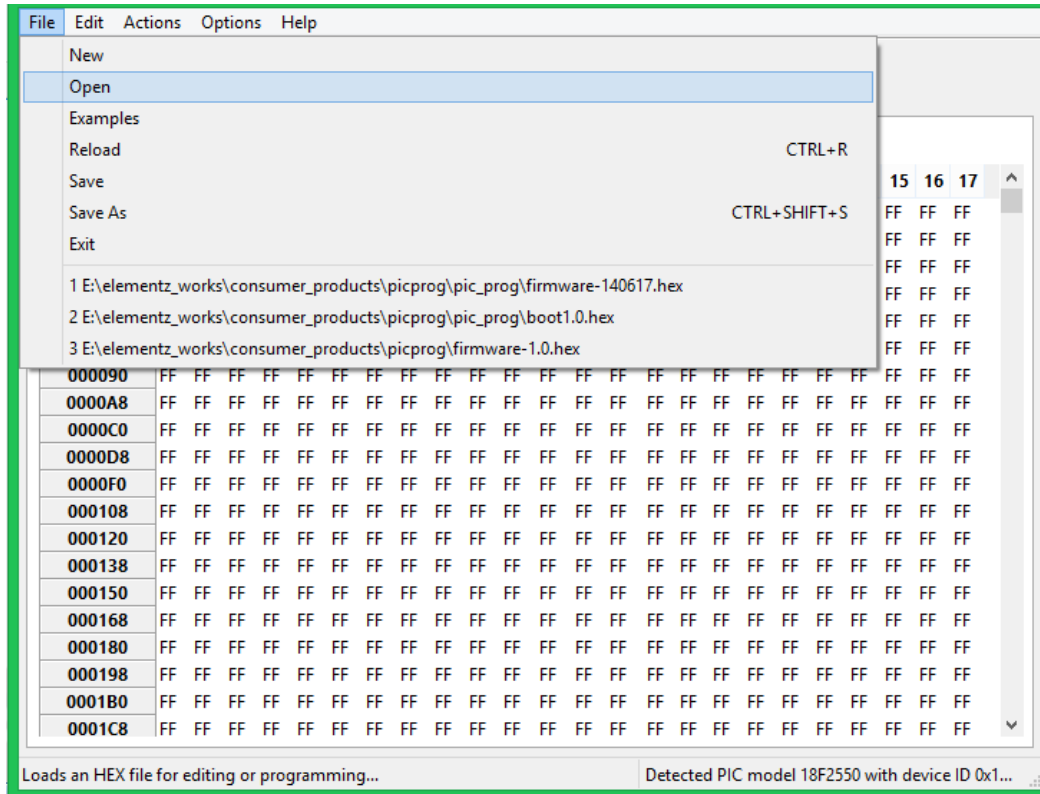


- Now we can see the window as in figure:1 showing “usbpicporg connected” at the bottom right corner.

- 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.



- 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**.





- To upload the .hex file to the IC go to **Actions --> Program**, or press F7.
- The program will be uploaded 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.

USEFUL LINKS

USBPICPROG downloads

<http://sourceforge.net/projects/usbpicprog/files/usbpicprog-software/usbpicprog-0.9.9-1.0.0-beta-software/>

Driver installtion in Windows8

http://usbpicprog.org/?page_id=486

Command Line programming

http://usbpicprog.org/?page_id=16