FIRMWARE INSTALLATION GUIDE FOR PMSDR2.x

1. Install Microchip's MCHPFSUSB tool:
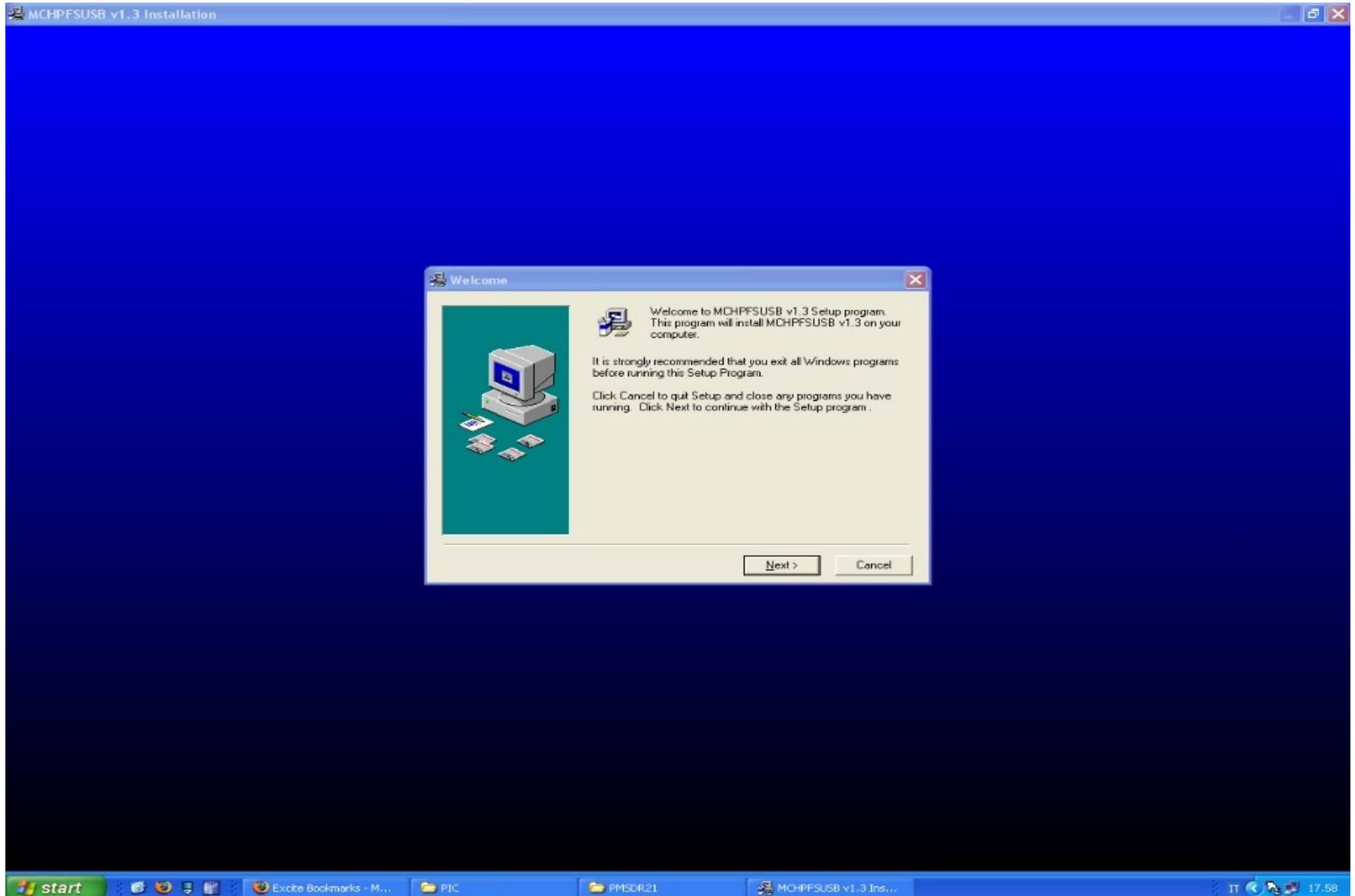
Installation Complete

MCHPFSUSB v1.3 has been successfully installed.

Please read the release notes for MCHPFSUSB. Shortcuts to the release notes and firmware user's guide have been placed on your Start Menu:

Programs -> Microchip -> MCHPFSUSB v1.3

< Back   Finish >   Cancel

2. Connect the PMSDR-Board and install the Microchip USB Custom Driver. (see driver_inst_guide.pdf)

2a. Start the PDFSUSB (C:\MCHPFSUSB\Pc\Pdfsusb) utility:

(Note: At this point, the bootloader code must be already programmed on the PIC18F4550 MCU, else please use a programmer interface connected to SV1 to program the bootload first.)
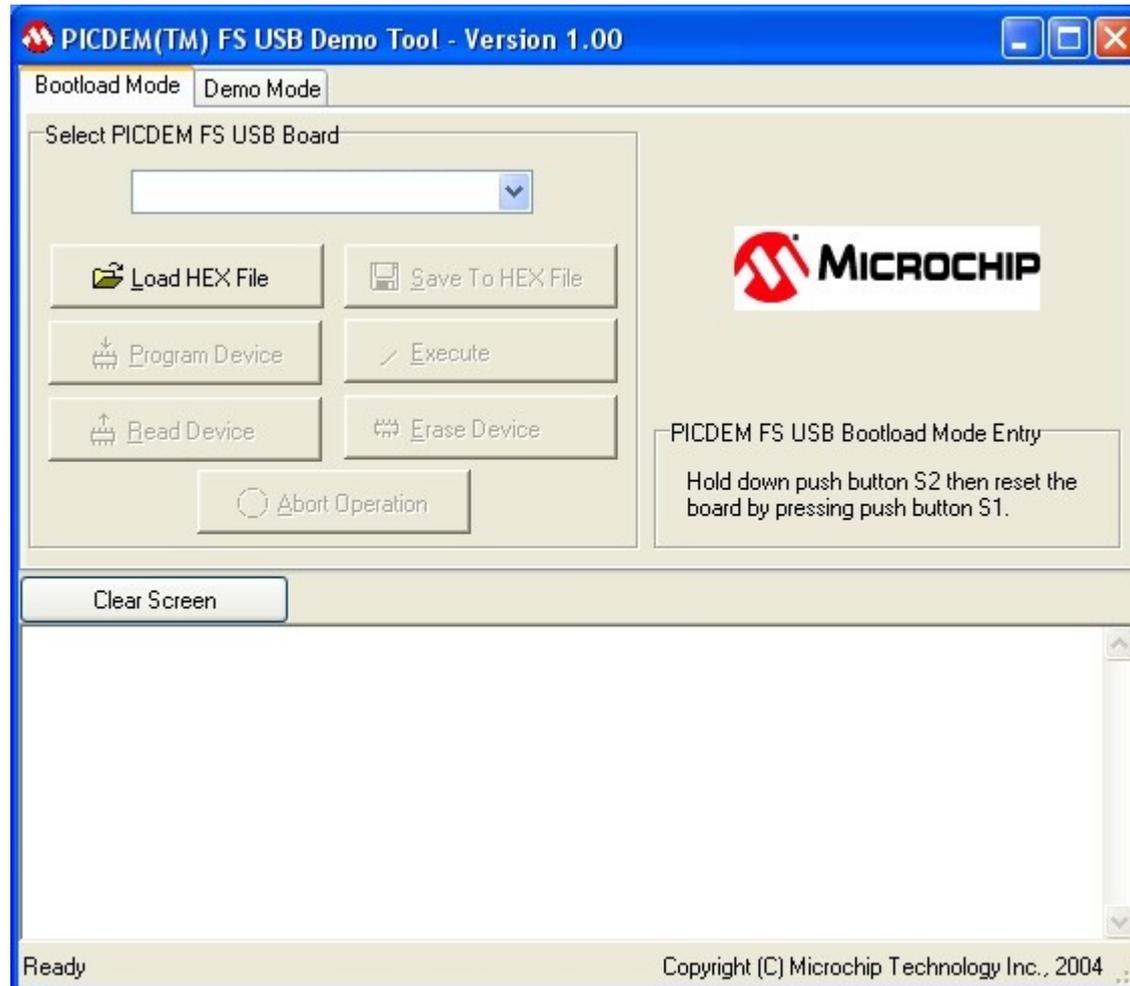
3. Connect the PMSDR2.x to the USB

4. Start the bootloader on the PMSDR2.x: Press S1 and S2
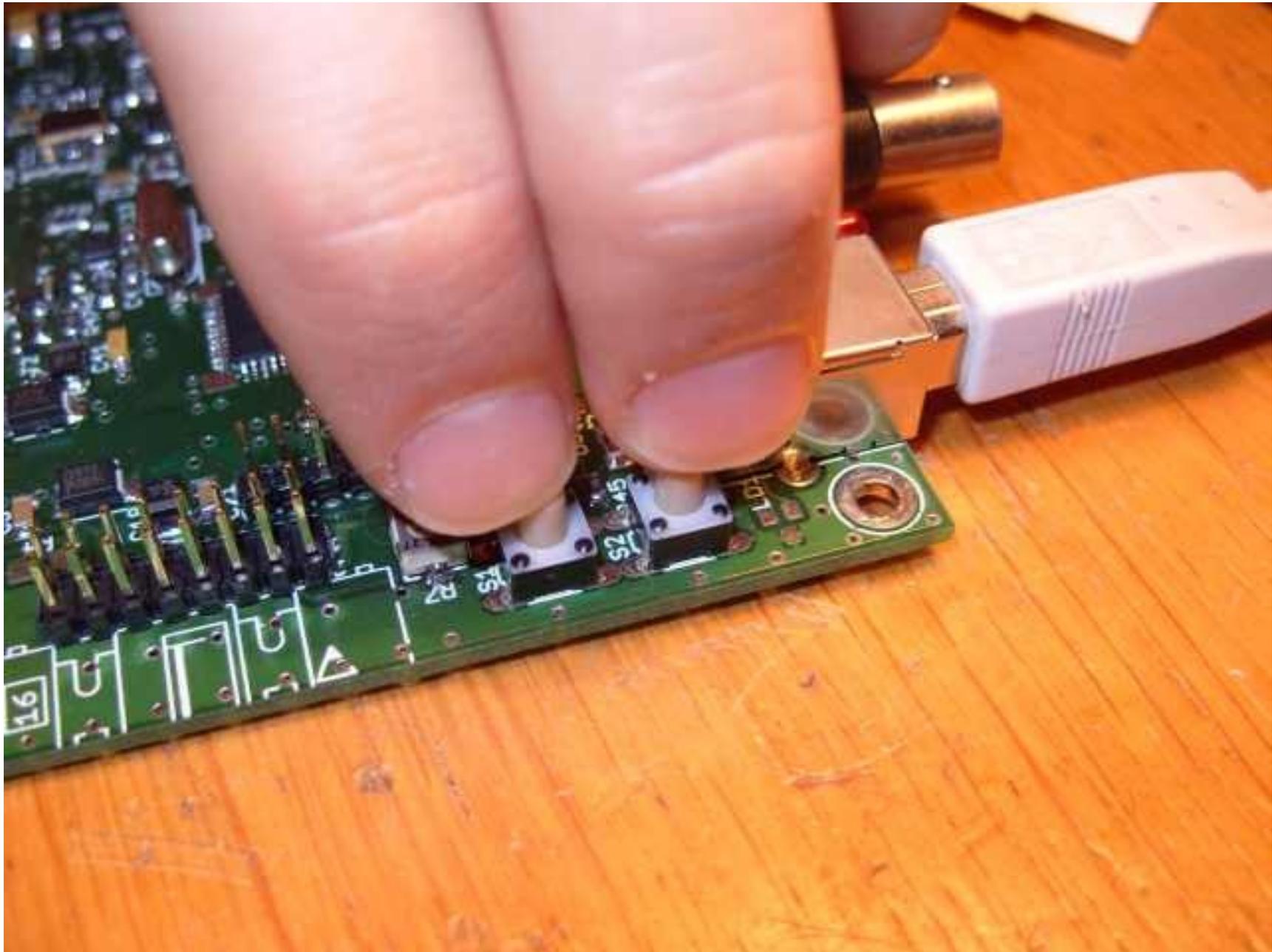
5. Now release only S1 (Reset)
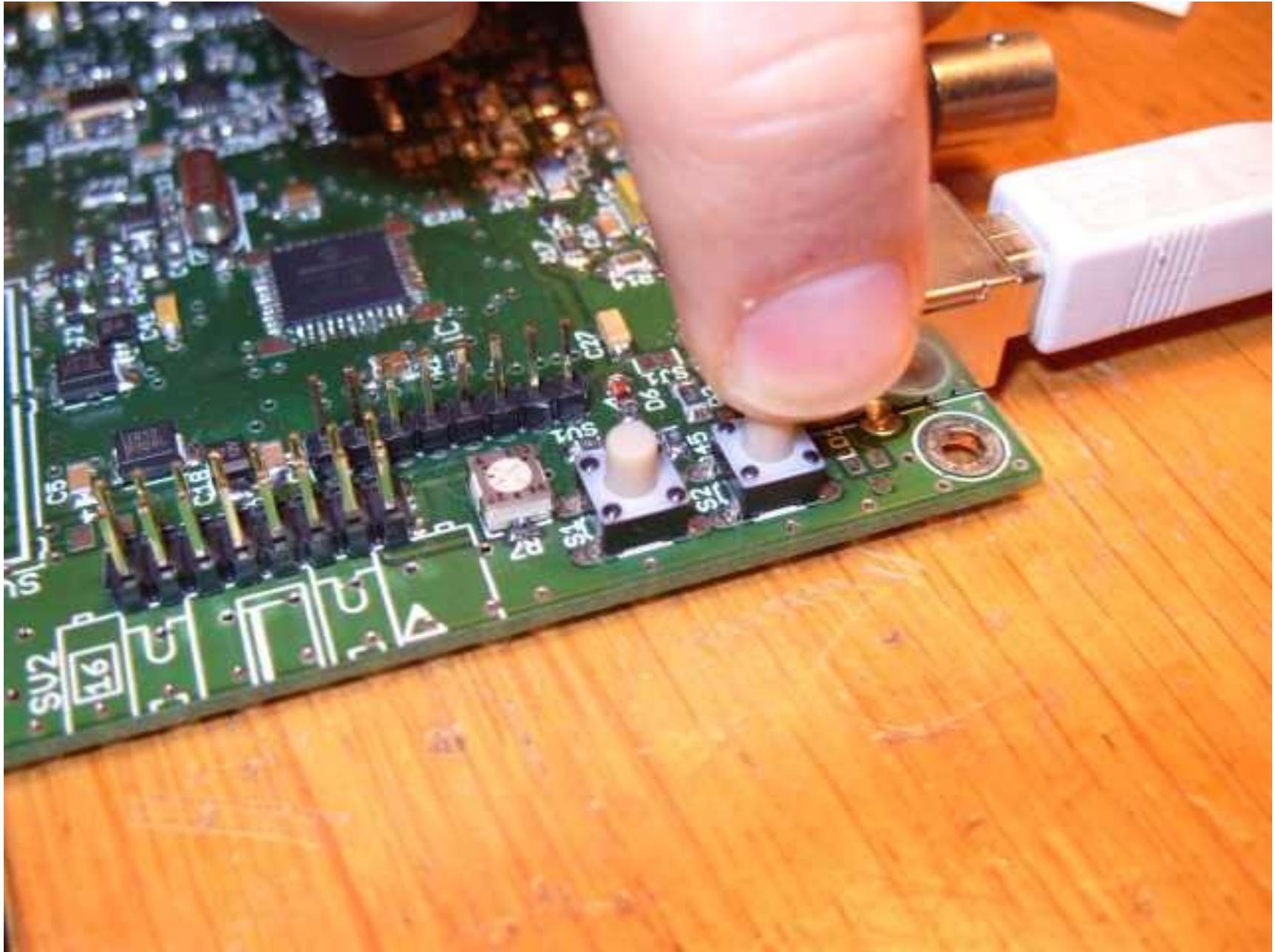
6. Release also S2 (Boot)

7. Now the PMSDR is in bootloader mode
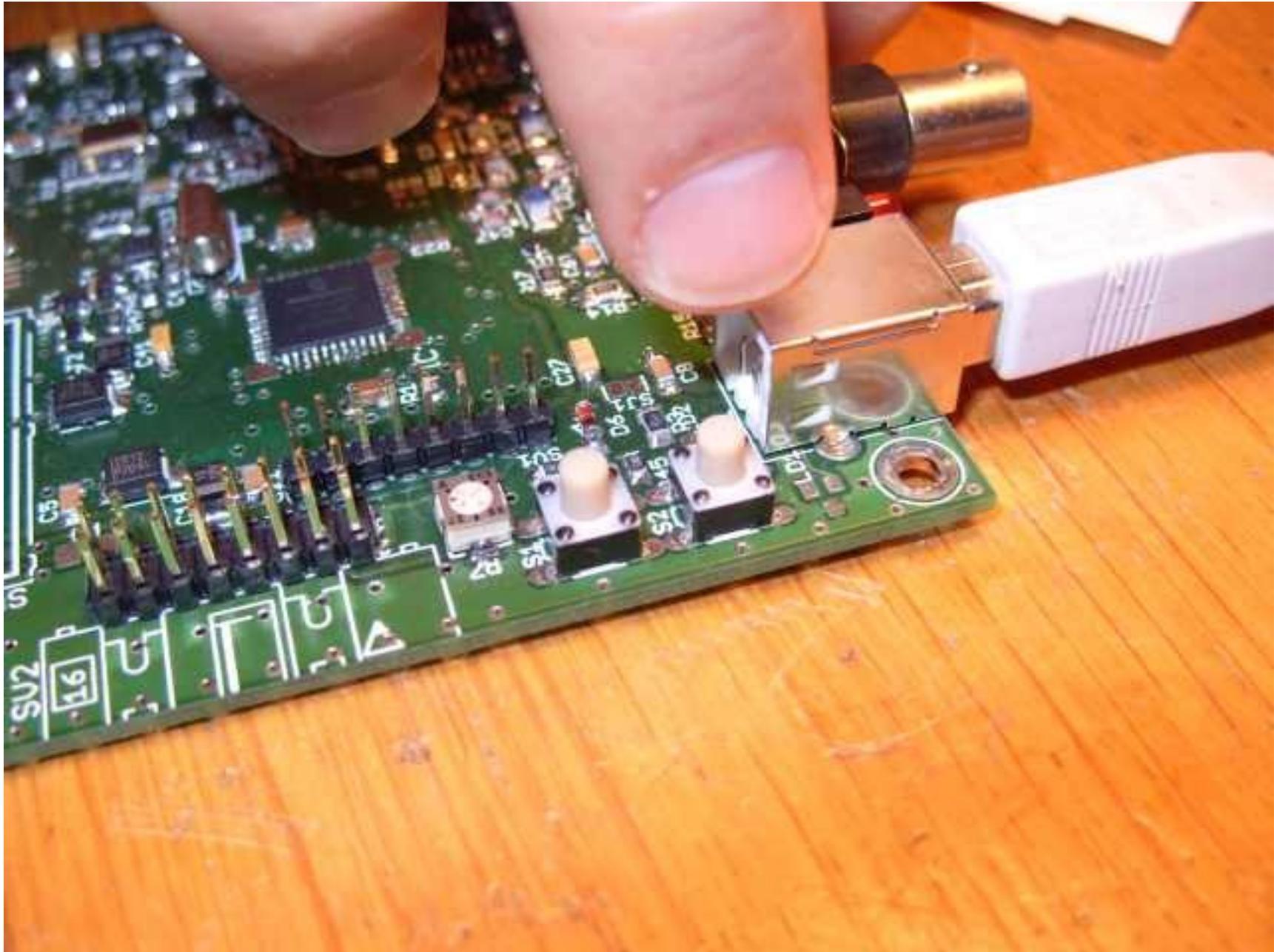
7. If the bootloader is started on the PMSDR, the ID "PICDEM FS USB 0 (Boot)" appear in the Listbox. If this so, we are ready to program the firmware.
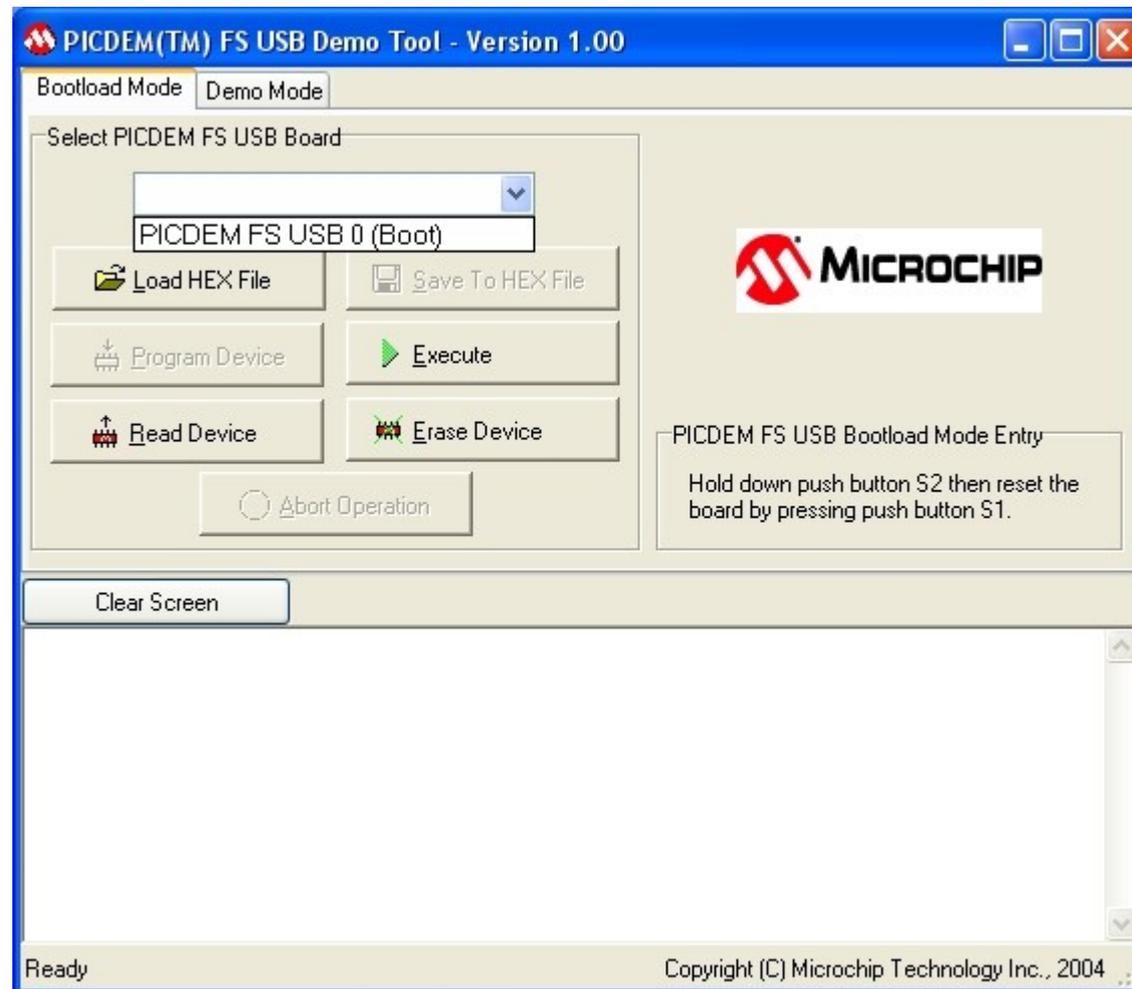
8. Click on "Load HEX File" and choose the correct Firmware-Hexfile to upload.
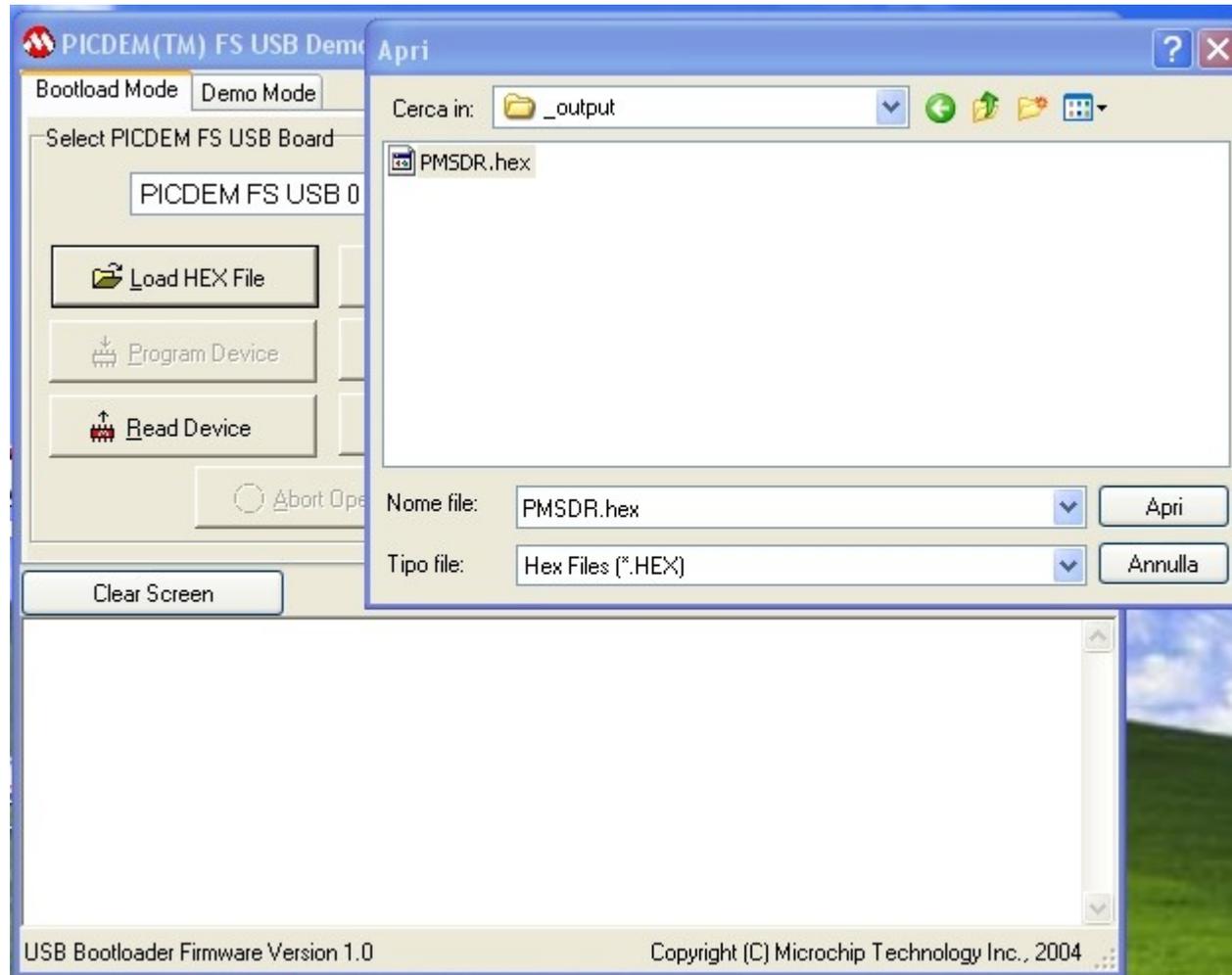
8a. Click on "Yes".
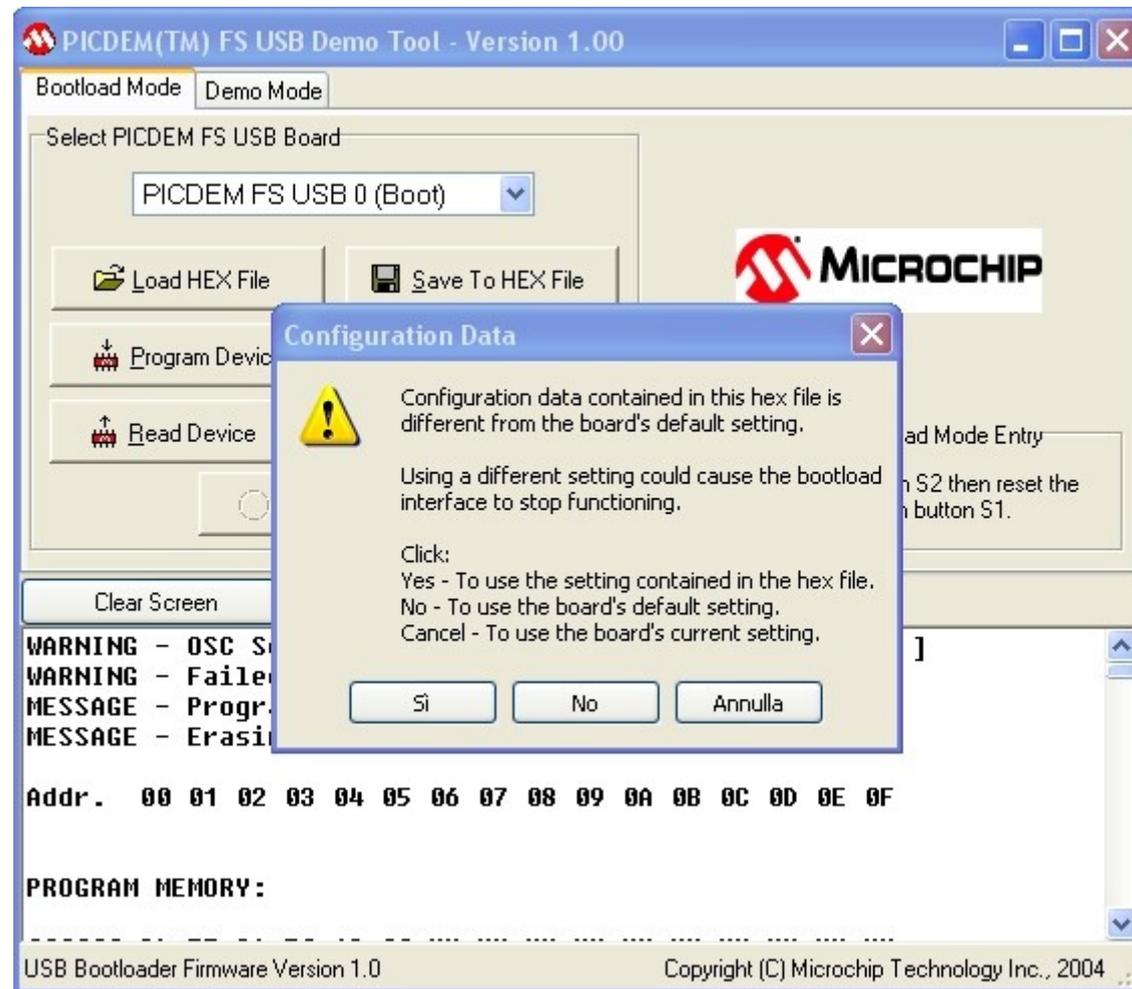
9. Now the Firmware is loaded in the buffer. Click on "Programm Device" to start the upload.
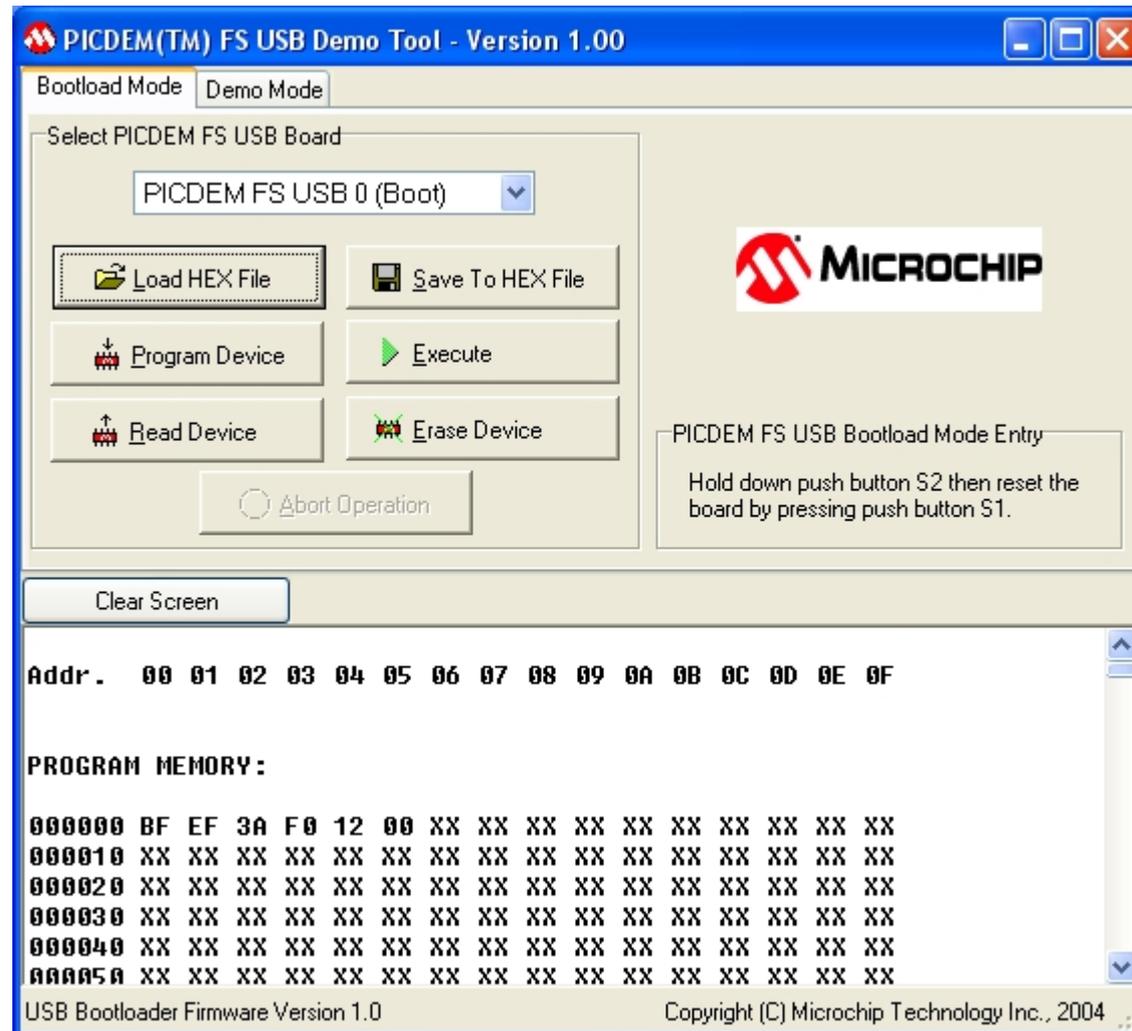
10. Wait until to finish the programming sequence.....

11. Now the Firmware is programmed in the PMSDR. Click on "Execute" to start the PMSDR firmware.

12. Don't panic: ignore the message "Failed to RESET board". The PMSDR is running now.......

13. If the new firmware is started on the PMSDR, the ID "PICDEM FS USB 0 (Demo)" appear in the Listbox on the "Demo Mode"-Tab.

14. If this your first-time installation, maybe you must install the USB-Driver now, else no other are required.