

Firmware Installation Instructions

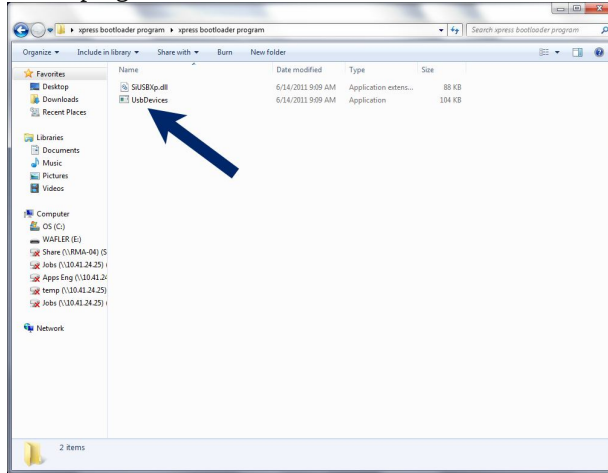
W. Wafler/D. Billet
9-13-2012

Primary Updates

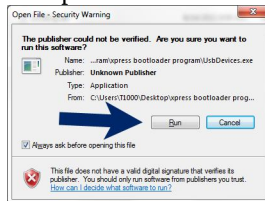
a) Improved heater board functionality. Changes made to decrease likelihood of firmware erasure.

Install updated firmware

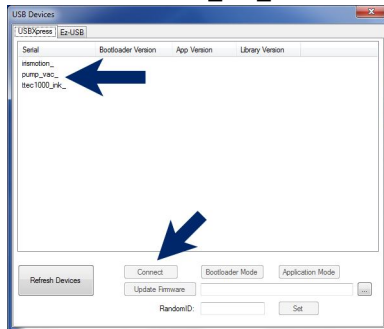
- 1) Install the new heater board firmware.
 - a. Navigate to the Download Programs\USBXpress Boards folder and run UsbDevices.exe to open the boot loader program.



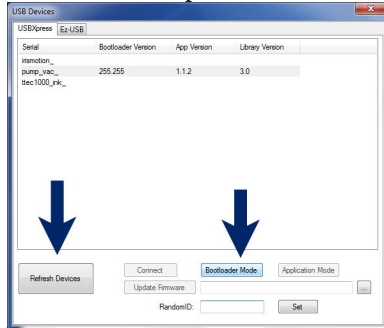
- b. Accept the Microsoft security warning.



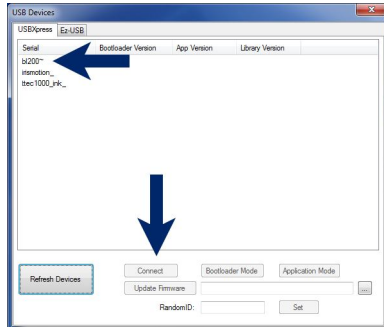
- c. Select the *ttc1000_ink_* board & then select *Connect*



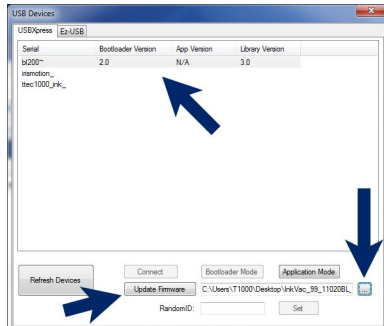
- d. Once this is complete select **Bootloader Mode** and then select **Refresh Devices**



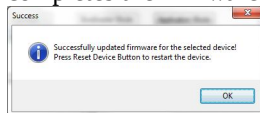
- e. This sets the device to a partially programmed device will usually have a machine assigned name **b200~**. Select **bl200~** and select **Connect**



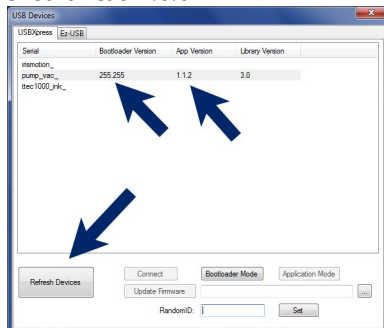
- f. Once bl200~ has been selected and highlighted, using the brows button, browse to Printer Software\Firmware and select Heater_Board_2.0.0_9-4-2012.hex and press **Update Firmware**.



- g. Once firmware is updated the program will prompt to press the reset button on the heater board, this completes the firmware update.



- h. Check that update is successful by pressing **Refresh Devices** and select **ttc1000_ink_**, the app version should read 2.0.0



- i. Close the USB Devices window.