

## Using the USBP with a Third-Party IDE

21 February 2006

From

# SoftBaugh

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To get the SoftBaugh USBP to work with IAR, CrossWorks, or another IDE please perform the following steps. This assumes you have already installed the drivers for the USBP per the "Windows OS Driver Installation Guide" available on the SoftBaugh website at <http://www.softbaugh.com/ProductPage.cfm?strPartNo=USBP> in the download section. Just scroll down to get to the download section.

- 1.) Make sure that IAR, PrgUSBP, or any other software that communicates with the USBP is closed.
- 2.) Backup your original MSP430.dll by renaming it as TI\_MSP430.DLL. You will need it if you plan on using the parallel port programmer (FETP) in the future. The MSP430.dll can be found in the bin folder of the IDE that you are using. For IAR this would be <IAR Install Directory>\430\bin. By default this location is C:\Program Files\IAR Systems\Embedded Workbench X.X\430\bin.
- 3.) Copy **MSP430.dll, SBMSP430.dll, SoftBaugh\_MSP430.dll, UseTI.bat, and UseSB.bat** from <USBP Install Directory>\ThirdPartyIDE\ . By default this location is C:\Program Files\SoftBaugh\USBP\ThirdPartyIDE\.
- 4.) Paste the five files just copied into the bin folder of the IDE that you are using. For IAR this would be <IAR Install Directory>\430\bin. By default this location is C:\Program Files\IAR Systems\Embedded Workbench X.X\430\bin.
- 5.) Now you can open the IDE and start using the USBP. Make sure that you set the FET Debugger settings to connect through the USB FET setting. For IAR this setting is located under Project>Options>FET Debugger Category>Setup Tab.
- 6.) For CrossWorks users you will need to add a new target interface.
  - a. Open CrossWorks
  - b. Open the targets window by selecting View>>Targets
  - c. Move your mouse below all of the available targets and right-click
  - d. Select "New Target Interface>>Flash Emulation Tool (TI Driver)
  - e. A new target named "Flash Emulation Tool" has now been added to the target list
  - f. Right-click on "Flash Emulation Tool"
  - g. Select rename
  - h. Rename to SoftBaugh USBP or whatever you prefer
  - i. When you are ready to use the USBP right-click on SoftBaugh USBP and select "Connect"
- 7.) For additional assistance for the USBP please see the Frequently Asked Questions(FAQ) on the SoftBaugh Website <http://www.softbaugh.com/ProductPage.cfm?strPartNo=USBP> Just scroll to the bottom of the page to find the FAQ section.