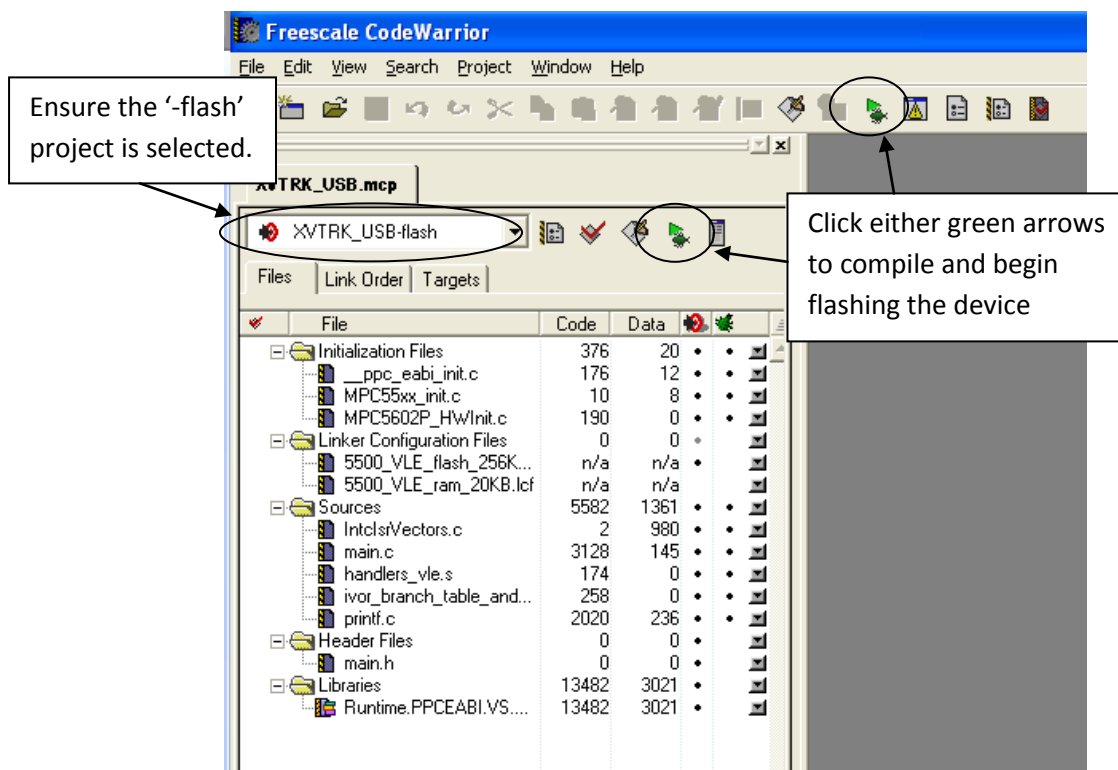


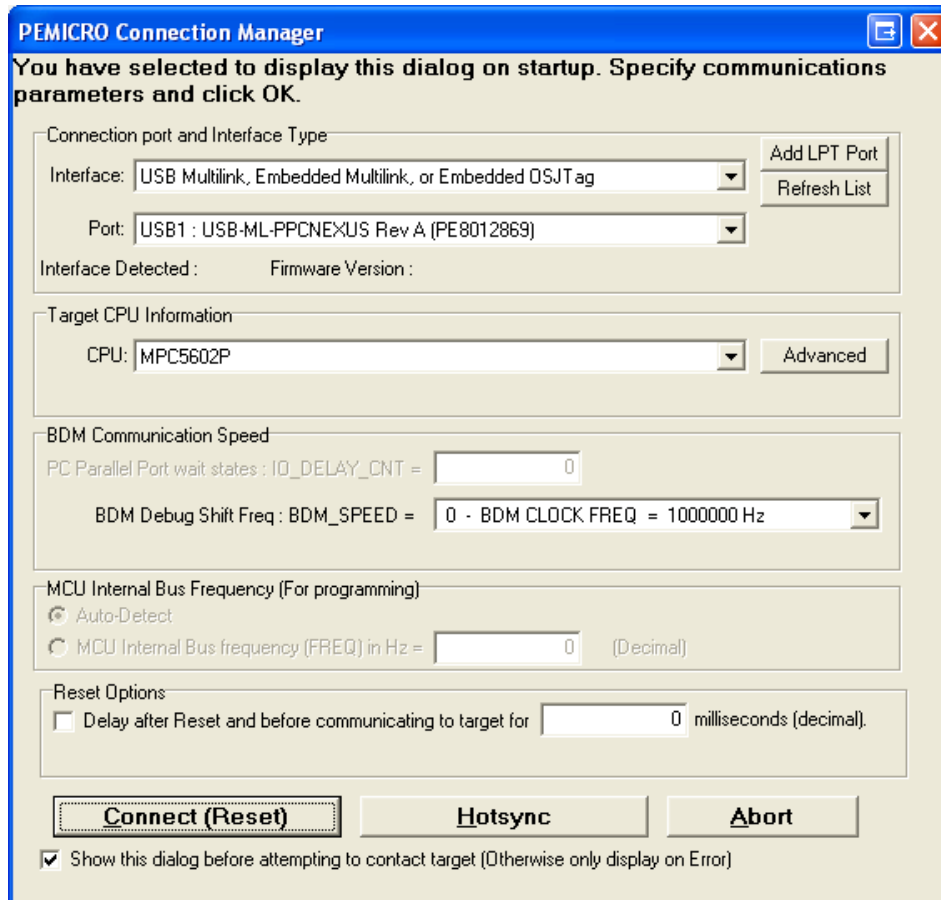
Download the XVTRK\_USB project from the downloads tab on the VTRK-USB website ([freescale.com/startertrakmini](http://freescale.com/startertrakmini)), and open the XVTRK\_USB.mcp file.

Name	Size	Type
bin		File Folder
DebuggerMacros		File Folder
LCF		File Folder
Sources		File Folder
XVTRK_USB_Data		File Folder
XVTRK_USB.mcp	115 KB	CodeWarrior Project

Ensure the device is connected via USB and with the flash target selected, click the green icon to compile the program and flash the device.



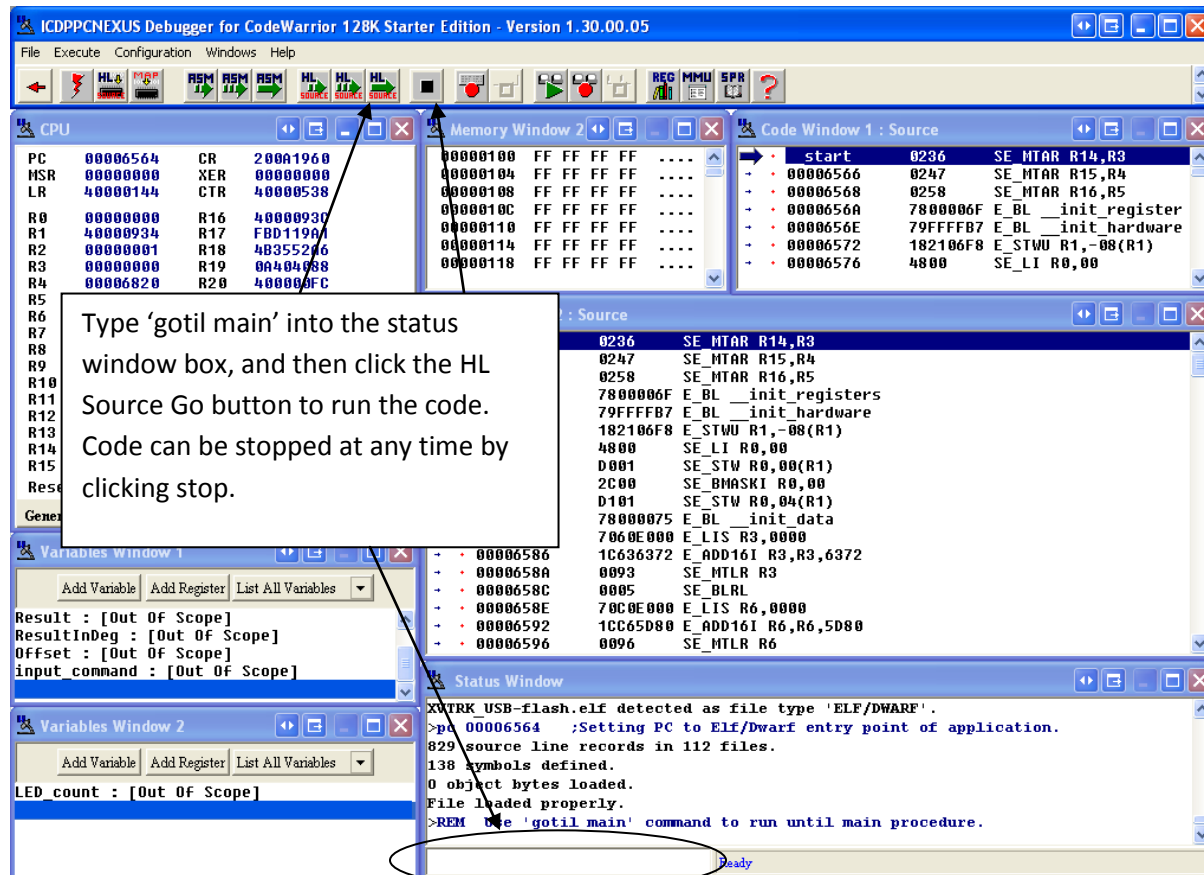
Ignore any warnings present about type mismatch, these will not affect the function of the program. The PEMICRO Connection Manager window will now display as shown below:



Providing the device has been connected and installed correctly, the window should look as above. If no device has been detected, try clicking the 'Refresh List' button, and check the USB connection.

To flash the device click "Connect (Reset)" button, which will start the flash programmer and program the device.

Once flashed the ICDPPCNEXUS Debugger tool will start:



The code will also run as soon as the device is powered up, or can be run as above through the NEXUS debugger supplied with Codewarrior.

The code located on the device will by default show the measured temperature range on the onboard LED's, as show in the table below:

L.E.D		Temp Range
Blue Only		Temp < 8°C
Blue	Green	8°C < Temp < 18°C
Green Only		18°C < Temp < 30°C
Green	Amber	30°C < Temp < 50°C
Amber Only		Temp > 50°C

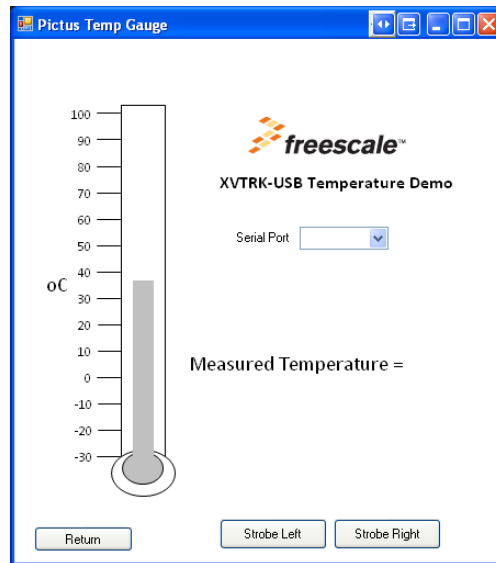
To access the features of the demo, locate the VTRK-USB demo folder and run the .application file. If not already installed then this will initiate the installer and install the application files. Run the program again to start the application, and the main window will appear as below:



This is the main window of the application, where the two demonstration packages can be accessed. From here, select either button to start the chosen application, the program will send the relevant commands to set the MPC5602P device into the correct mode.



To play Pong, simply enter your name in the text box, and select the USB device from the COM port drop down to start the game. The switches PD2 and PD3 control the movement of the bat (be careful not to use the RESET button!). If you have a higher score than the computer after the level counter reaches 0 you will proceed to the next level. Your pong bat gets smaller, and the ball gets faster as the levels increase! Click return to go back to the main menu.



The temperature sensing application displays the temperature measured by the on board sensor, and displays on the gauge. Again, simply select the relevant COM port for the board to start the application. Click return to go back to the main menu.