

Lantronix xPico200 SDK: Steps to download the rom file & eclipse debugging using JTAG.

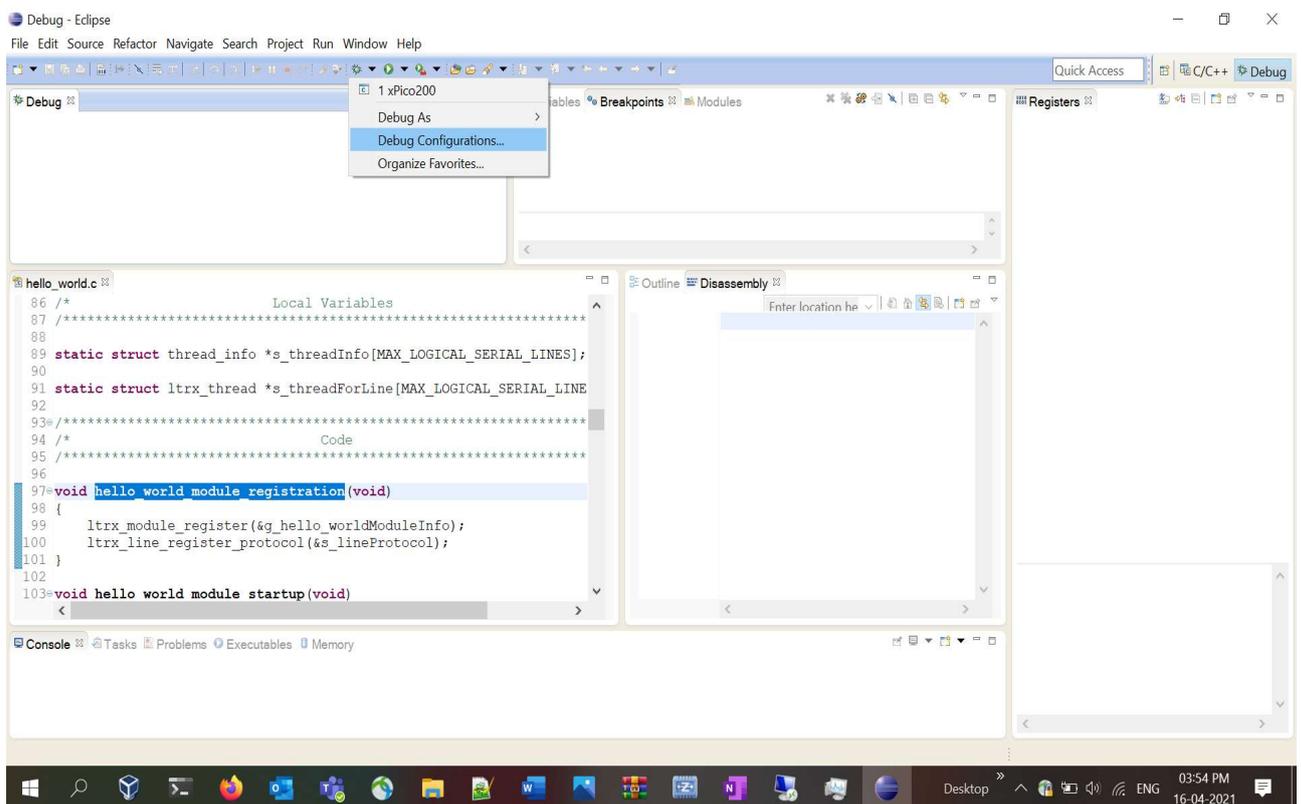
Note: Please follow the steps in **readme_first.pdf** in the documentation directory to build the rom file.

Download ROM file using JTAG (WINDOWS):

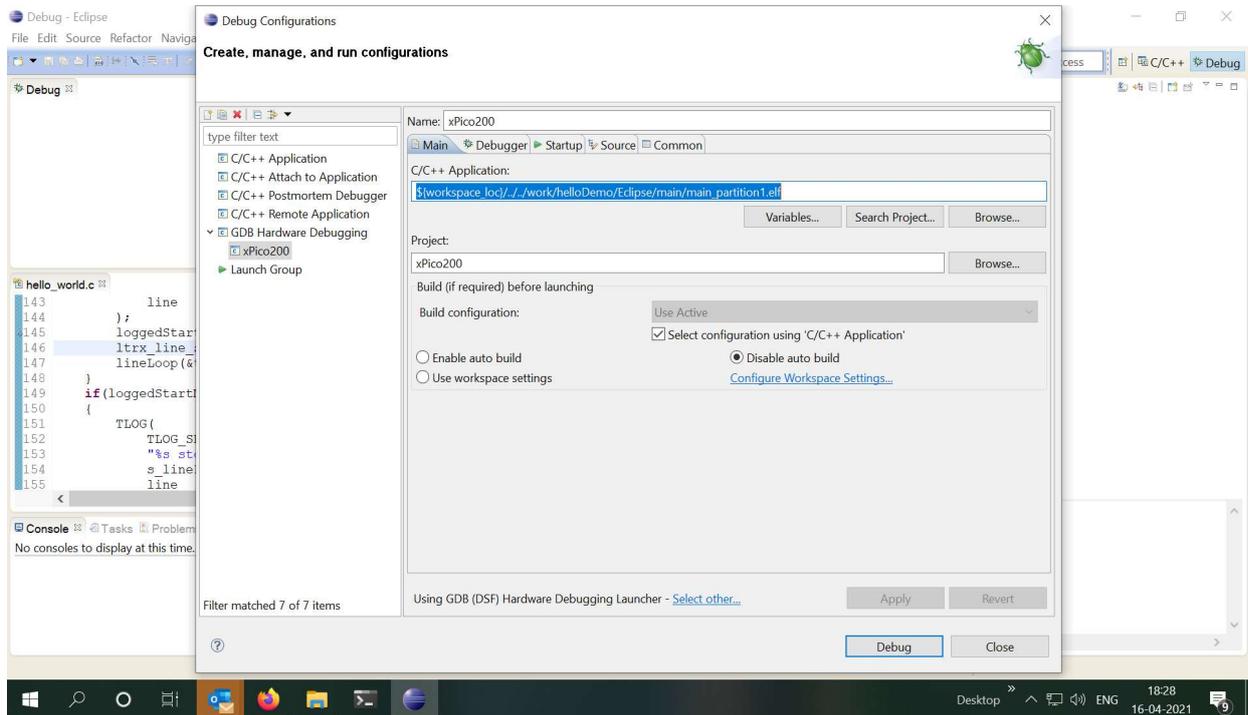
1. Follow the steps in **readme_first.pdf** to open the desired project directory in msys2_shell bash window.
For example, "C:\<your_install_directory>\work\echoDemo"
2. Download the ROM file, Type "make download".
3. Run the device, Type "make run".

Eclipse debugger configuration changes:

1. Run the eclipse.exe in "<your_install_directory>\jtag\eclipse" directory.
2. Click on the Debug icon  and select the Debug configurations as shown below.

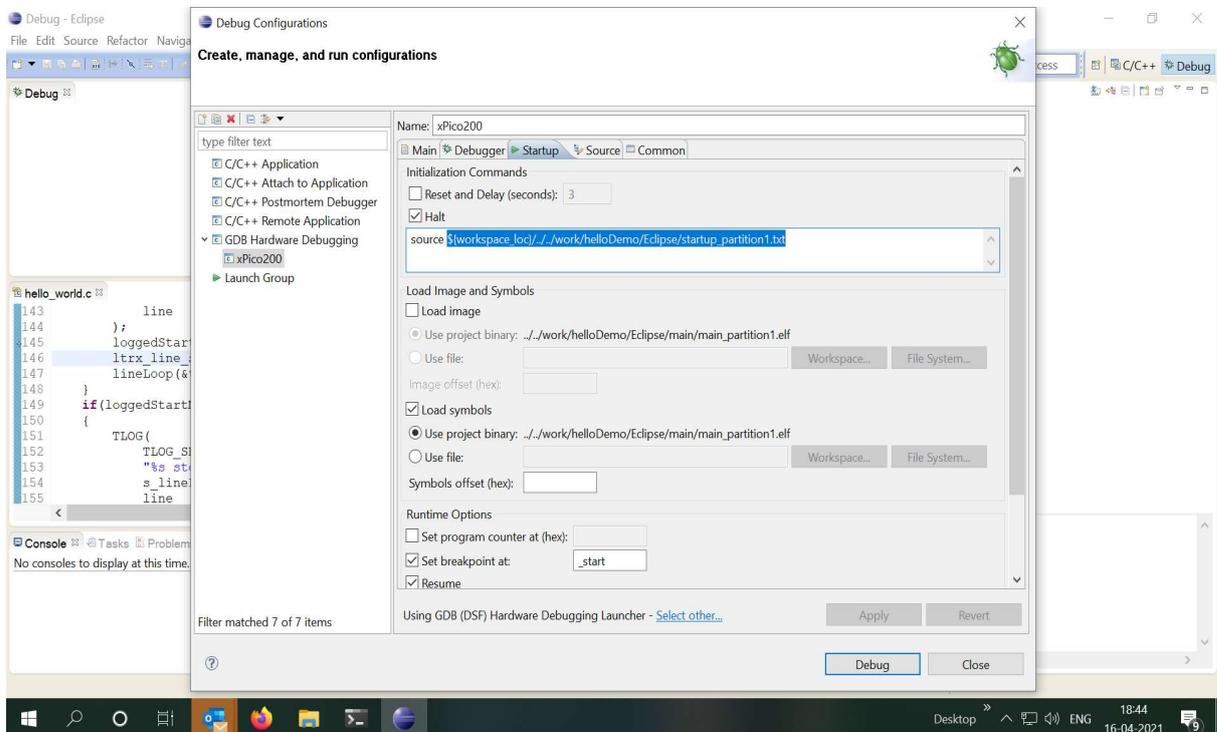


3. Select xPico200 under GDB Hardware Debugging
4. Main C/C++ Application Change: The path for the C/C++ Application under main tab should be
`${workspace_loc}/../..../work/<your_SDK_Example/Eclipse/main/main_partition1.elf`



5. Startup Initialization Commands: Initializations commands should be.

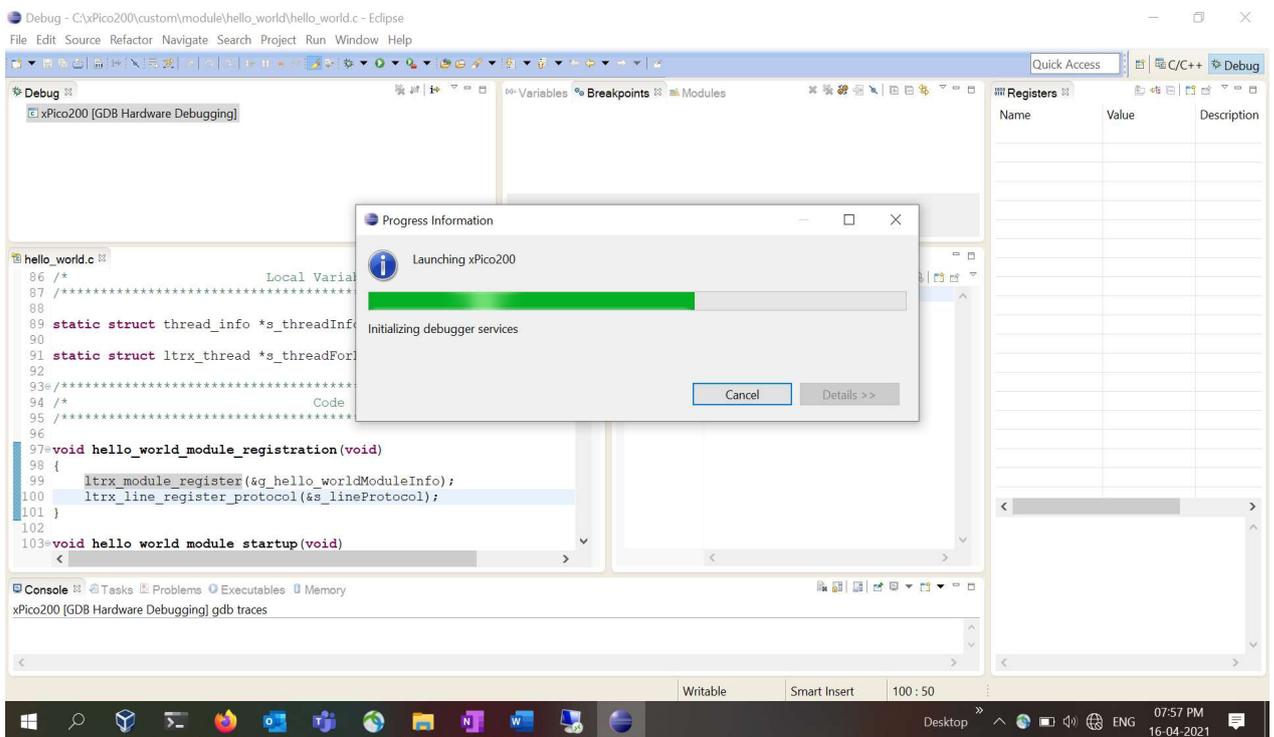
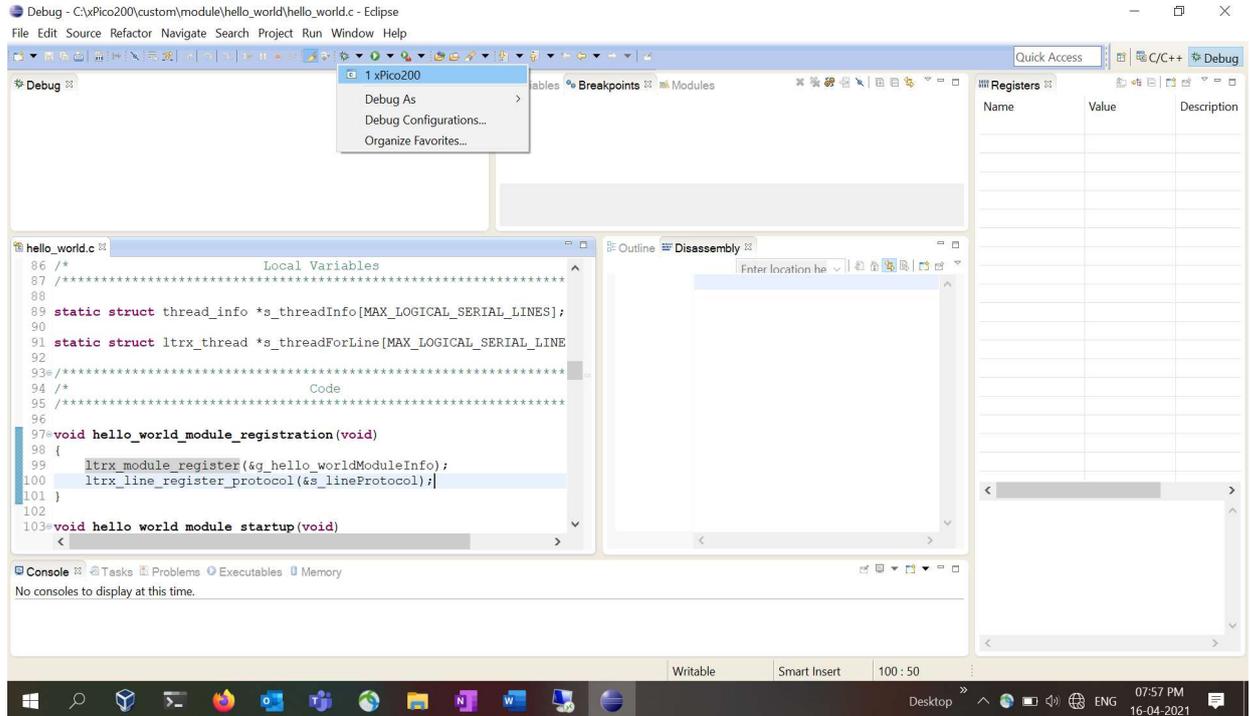
Source `${workspace_loc}/../../work/<your_SDK_Example>/Eclipse/startup_partition1.txt`



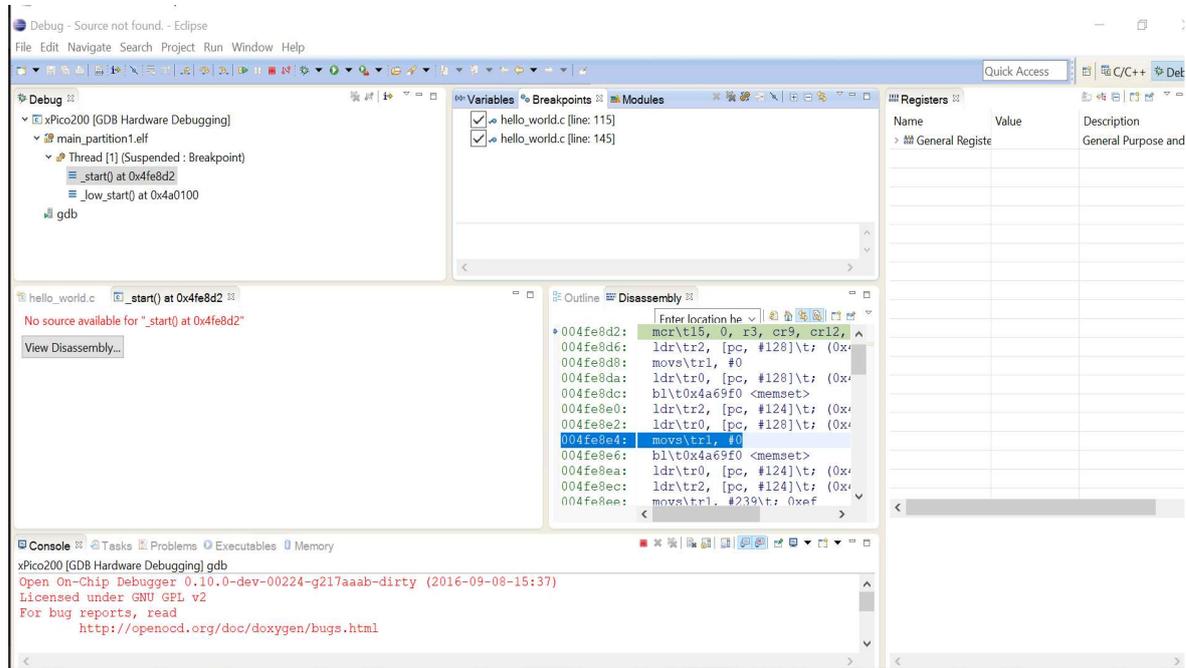
6. Then click on Apply the changes.

Eclipse Debugging:

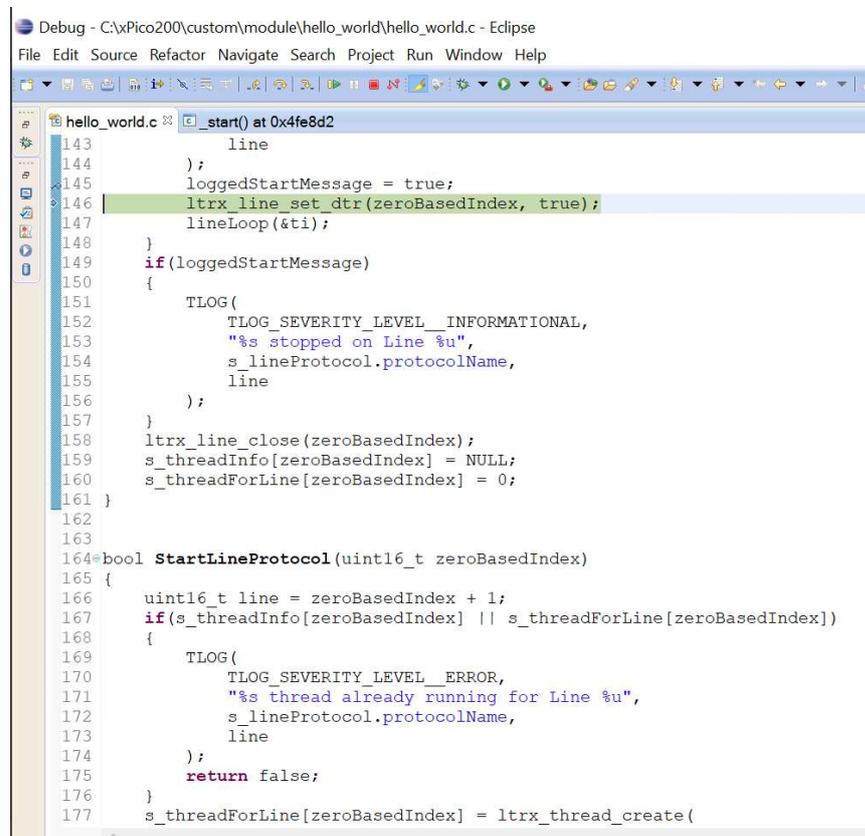
1. Click on debug button & select xPico200 to start Debugging as mentioned below.



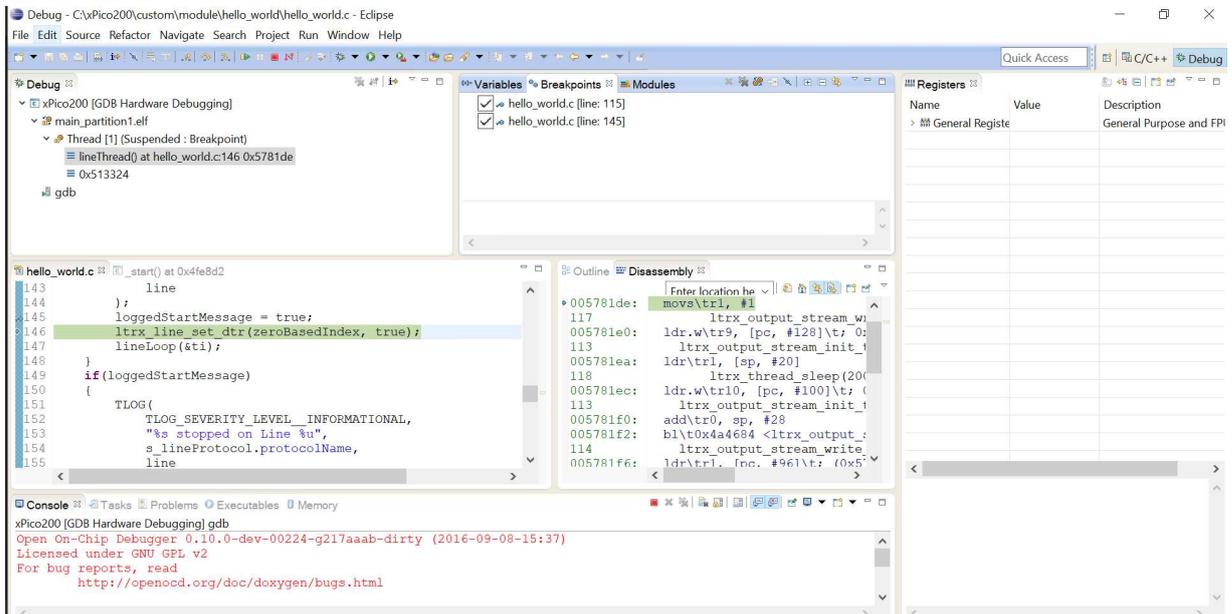
2. After loading the eclipse debugger, execution will wait @ _start() as its configured in debugger configuration.



3. Open the corresponding example source file & configure the breakpoints as mentioned below.



4. Execution will stop @ corresponding lines when execution reaches to specified location.



5. Follow the eclipse help to proceed for further debugging.

Note: Downloading ROM file & parallely debugging with eclipse should not support at a time, do one by one.