

Flashing the Debug Monitor on an Lite5200 Board

1. Connect power supply to the Lite5200 board.
2. Connect the Wiretap cable to header J4 on the Lite5200 Board. Pay close attention to align the red stripe on the Wiretap cable to pin 1 on header J4.
3. Launch Metrowerks CodeWarrior by choosing START - PROGRAMS - Metrowerks CodeWarrior - CodeWarrior Studio for MobileGT v8.0 - Code Warrior IDE
4. When the Metrowerks CodeWarrior panel appears, click on "TOOLS" and select "FLASH PROGRAMMER"
5. When the Flash Programmer panel appears, click on "Target Configuration" in the panel on the left of the Flash Programmer Panel.

Note: This screen will NOT work unless you have registered the product.

5.1 Check the box labeled "Use Custom Settings".

5.2 On the pull down menu labeled Target Processor, select 5200.

5.3 On the pull down menu labeled Connection, select WireTAP CCS.

5.4 Check the box labeled "Use Target Initialization".

5.5 Browse for the file

"Metrowerks\Codewarrior\PowerPC_EABI_Support\Initialization_Files\Jtag\Lite5200_init.cfg"

Note: If the Lite5200_init.cfg file is available, then click on the "Load Settings" button. A "Load Settings file" window will be shown. Find file dBUG_lite5200_Flash_settings.xml from the same directory in which this instruction resides. Open it. This will cause the proper values to be loaded into the "Flash Configuration Menu". Then, you can skip to section 7.0.

5.6 Set Target Memory Buffer Address to 0x00002000.

5.7 Set Target Memory Buffer Size to 0x000F0000.

5.8 Check the box labeled "Enable Logging"

5.9 Check the box labeled "Verify Target Memory Writes" .

6.0 Click on "Flash Configuration" in the panel on the left of the Flash Programmer Panel..

6.1 Under "DEVICE", select AM29LV065D".

6.2 Under ORGANIZATION", select 8Mx8x1.

6.3 Under "Sector Address Map" select the memory segments that are to be flashed or erased.

7.0 Click on "Erase / Blank Check" in the panel on the left of the Flash Programmer Panel.

7.1 To blank check the entire flash, check the "All Sectors" box and then click on Blank Check.

7.2 To erase the entire flash, check the "All Sectors" box and then click on Erase.

7.3 To blank certain sectors of the flash, check the box labeled "Erase/Blank check Sectors Individually".

7.4 Then, click Blank Check.

7.5 To erase certain sectors of the flash, check the box labeled "Erase/Blank check Sectors Individually".

7.6 Then, click "Erase".

8.0 Click on "Program / Verify" in the panel on the left of the Flash Programmer Panel.

8.1 "Check" the "Use Selected File" box.

8.2 Click the "Browse" button to find the file to be programmed into flash. (You may find dBUG binary for Lite5200, Lite5200_16.bin, from the same directory in which this instruction reside.)

8.3 Check the "Apply Address Offset" box and enter 0xFFFF00000 in the Offset box.

8.4 Uncheck the "Restrict Address Range" box.

8.5 Click on Program to program the Flash.

8.6 Click on Very to verify that the programming occurred.