

Installation Guide for Lyrtech SignalWAVE Tools version 5.0

Pre-requisite software list:

Supported Operating Systems

Windows™ 2000 Service Pack 4
Windows™ XP Service Pack 2

Supported MATLAB™ versions

MATLAB™ r2006a or 7.0.1 (R14.1) and 7.0.4 (r14.2)

- Simulink (Required)
- Real-Time Workshop (Required)
- Signal Processing Blockset (Required)

- Embedded Target for Texas Instrument C6000 (Optional)
- Communications Blockset (Optional)

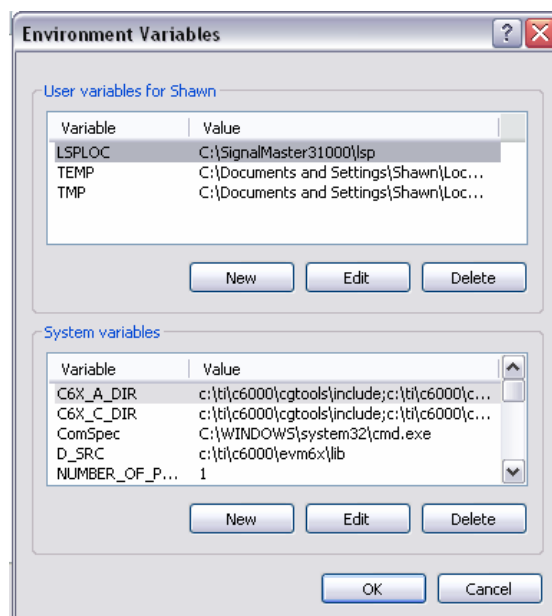
Supported DSP Tools

Texas Instruments Code Composer Studio 3.0 and 3.1

Supported FPGA Tools

Xilinx Foundation ISE 8.1i (Service pack 4 or IP Update 3 recommended)
Xilinx System Generator 8.1

***Please ensure all pre-requisite software are installed before installing Lyrtech SignalWAVE Tools.**



Linking Code Composer Studio

Go to command prompt and browse into the Code Composer Studio folder (ie: C:\CCStudio)

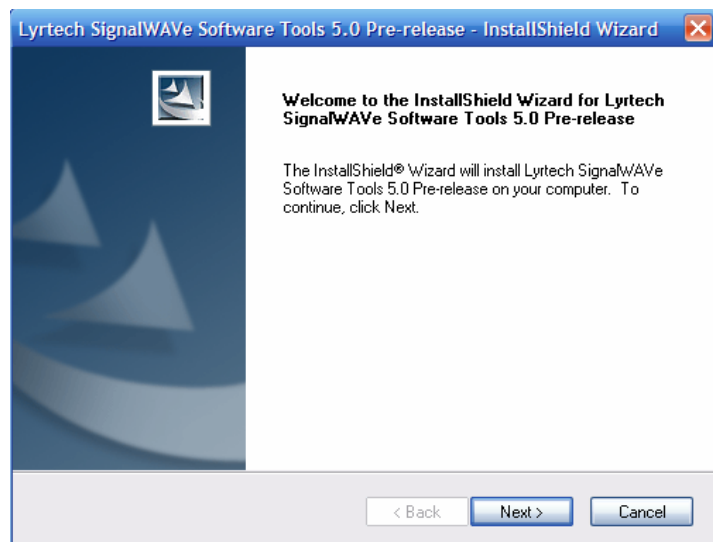
Enter 'dosrun', CCS will generate its system paths to be added into Microsoft Windows.

Copy the paths and add/replace them in Windows Control Panel -> System -> Advanced -> Environment Variables -> System variables

(ie: dosrun shows D_SRC=C:\CCstudio\c6000\evm6x, click New, Variable name is D_SRC, value is C:\CCStudio\c6000\evm6x)

Reboot the PC when finished.

After rebooting, go to command prompt and enter `cl6x`
CCS demo functions should work without errors.



Step 1:

After installing and configuring the pre-requisite softwares, go to the Lyrtech SignalWAVE installation folder and run SignalWAVE Software Tools v4.0.



Lyrtech SignalWAVE Software Tools 5.0 Pre-release - InstallShield Wizard

License Agreement
Please read the following license agreement carefully.

BY INSTALLING THIS SOFTWARE, YOU AGREE TO ABIDE BY THE TERMS OF LYRTECH INC.'S LICENSE AGREEMENT STATED BELOW

This installation contains the currently available DSP libraries and other data developed by Lyrtech Inc. and Lyrtech RD a subsidiary of Lyrtech Inc., Paper versions of manuals for the Lyrtech Software as well as other instructions are included.

LICENSE AGREEMENT

You, the LICENSEE, are granted a non-exclusive and non-transferable license to use this software product and you agree to accept the following terms and conditions:

I accept the terms of the license agreement I do not accept the terms of the license agreement

Print

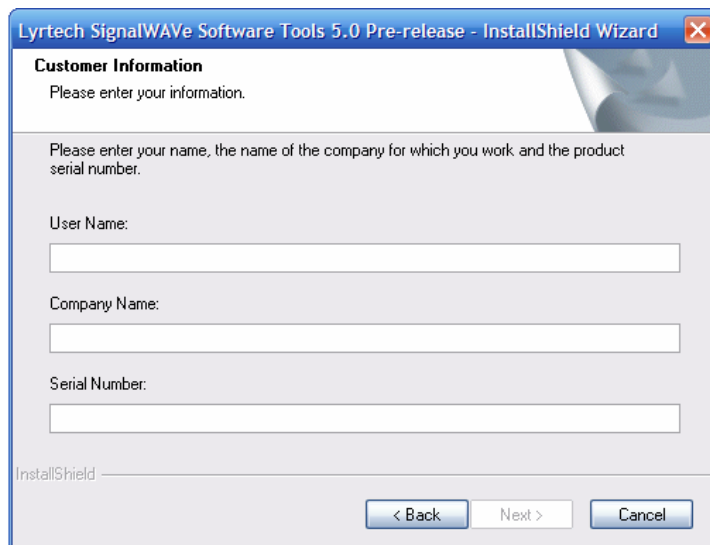
InstallShield

< Back Next > Cancel

Step 2:

Lyrtech SignalWAVE software Tools installation should start to run.

Click *next* to continue.



Lyrtech SignalWAVE Software Tools 5.0 Pre-release - InstallShield Wizard

Customer Information
Please enter your information.

Please enter your name, the name of the company for which you work and the product serial number.

User Name:

Company Name:

Serial Number:

InstallShield

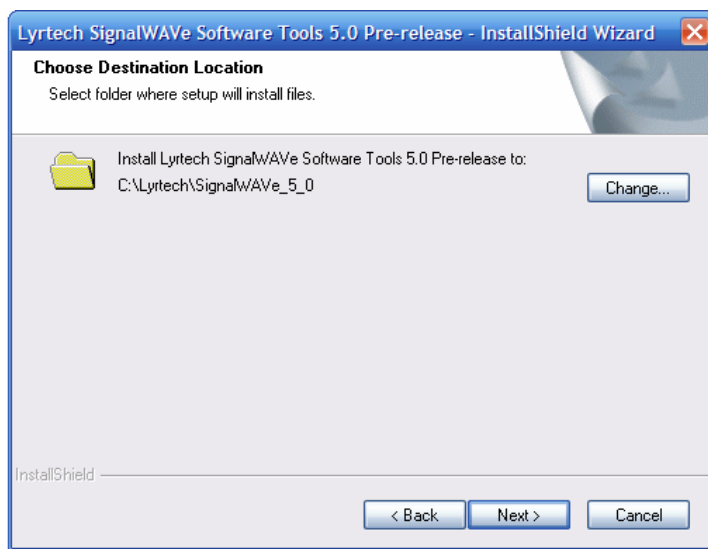
< Back Next > Cancel

Step 3:

Enter the Name and Company information.

Enter the serial number found in the license information provided in the installation CD. (Sequence: xxxxx-xxxxx-xxxxx-xxxxx)

Click *next* to continue.

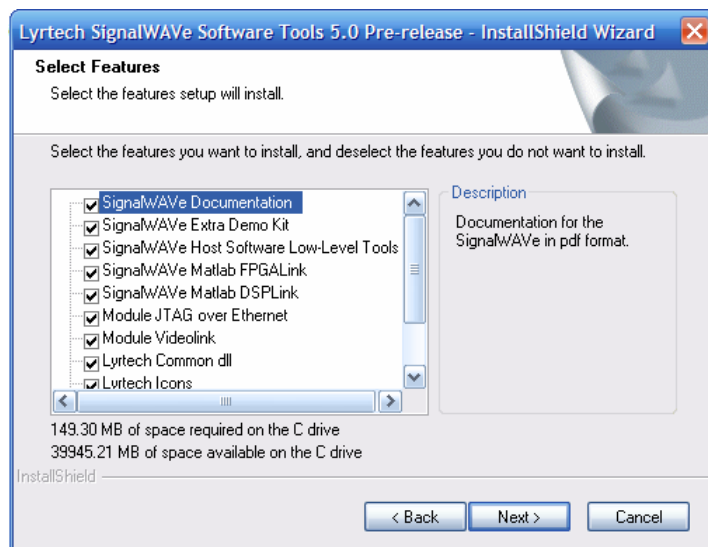


Step 4:

To set the installation folder in another location, click on browse and choose the folder or drive to install to.

(Default is C:\Lyrtech\SignalWAVE_5_0)

Click *next* to continue



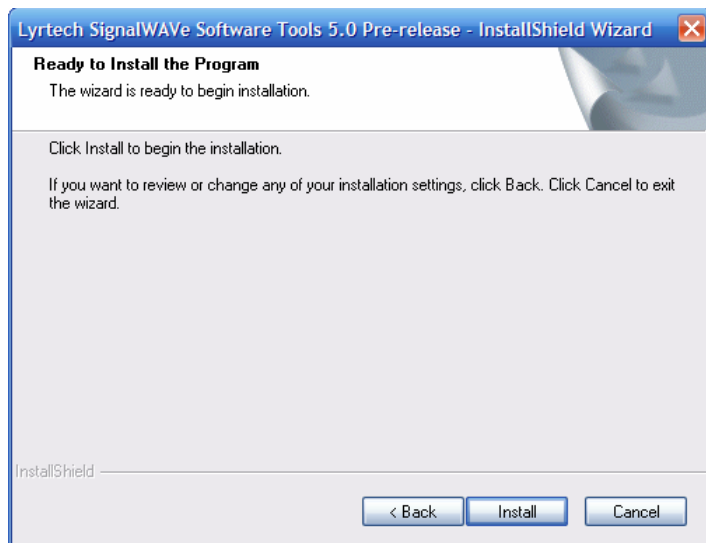
Step 5:

The Software Tools components list is determined by the License number entered in Step 3.

Basic package will comprise of DSPLink and FPGALink components.

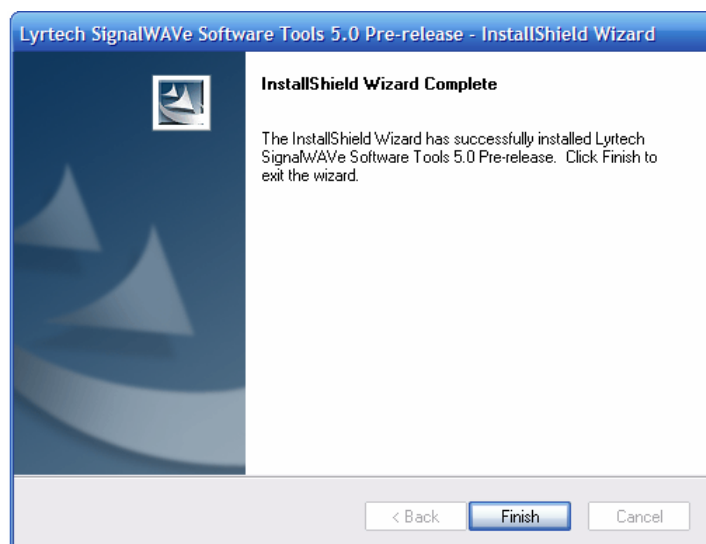
Tick the components you wish to install
(Recommended to click all components available)

Click *next* to continue



Step 6:

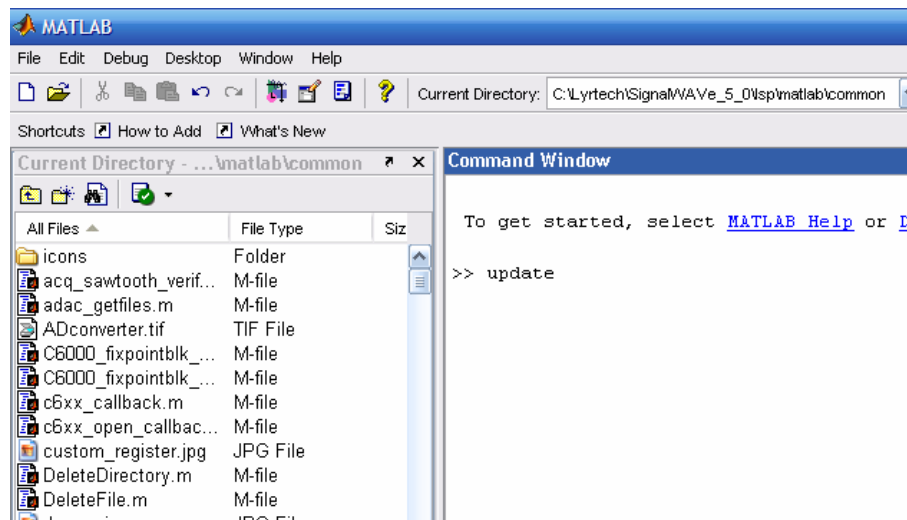
Click *install* to begin installation.



Step 7:

The installation will be completed.

Click *finish* to end the process.



Step 8:

To set the MATLAB paths for Lyrtech SignalWAVE tools, open MATLAB and go to the following folder:

C:\lyrtech\SignalWAVE_5_0\isp\matlab\common

Enter *update* in the MATLAB command prompt to run the update.m file

MATLAB will browse for the Lyrtech SignalWAVE tools, enter the SignalWAVE platform number and MATLAB will update the paths automatically.

Installation is now complete, run a SignalWAVE demo from the demo library to test the functionality.