Frequently Asked Questions

Title: Software Tools Installation – What are the files, and where are they found
Date: 27 May 2014
Card/Board/Module: All
Operating System: Windows

Question:

I installed the software tools for my card / board / module.
- What files are included in the package ?
- What is the folder structure ?
- Are there any example programs available ?
- What about GUI programs ?

Answer:

The default installation folder is "**C:\ Excalibur\ProductName Software Tools**" (older installations may place the files in "**C:\Program Files\Excalibur\ProductName Software Tools**").

The root folder contains all source code files (*.c, *.h) used in building the Windows DLL, including:
- file proto_xxx.h contains the prototypes for all API functions
- file flags_xxx.h contains flags used in the software tools
- file errors_xxx.h contains error codes (function return values) used in the software tools
- file RevisionHistory.txt contains a listing of the changes made to the software package, by revision number (for older product releases, this file was named readme.rev)

Folder DemoSource contains source code of demo programs – programs that demonstrate the use of some of the functions of the API. The name of the program gives a hint as to what it does: demo_xxx.c where "xxx" is the descriptive name. There is usually a comment at the top of the source code describing what the program actually does.

Folder excMSVisual (or **folder bin**) contains a project workspace (.dsw for VS 6) or solution (.sln for VS 2008) for the DLL, the resultant DLL & LIB files; and project workspaces or solutions for some of the demo programs, and resultant EXEs. The project workspaces are compiled using Microsoft Visual C++ 6; the solutions are compiled using Microsoft Visual Studio 2008.

Folder excBorland contains a project workspace (.ide) for the DLL, the resultant DLL & LIB files, and resultant EXEs; and project workspaces for some of the demo programs. These are compiled using Borland C++ 5. For newer products, this folder may not exist. For 64bits, we do not supply a Borland compiled DLL.

Folder Manuals (newer installation packages) contains the manuals (software & hardware) for this card & module.

Folder Utilities (newer installation packages) contains various utility programs available for the card, including ExcConfig and Showhex.

Older installation packages: Instead of the Utilities folder, there may be two additional files in the installation:
- **ExcConfig** – Excalibur Configuration utility, which is used to assign a device number to your Excalibur board, for use in all applications (as a parameter to function Init_Module_xxx).
- **Showhex** – Memory Display Utility, which displays the module / board / card memory in hexadecimal.

Shortcuts to the demo programs are found at: Start | Programs | Excalibur | ProductName.

GUI programs: There may be an additional folder with a GUI program for this product.