Future Technology Devices International Ltd.

Technical Note TN_109

Instructions On Including The FTD2xx DLL In A VS2008 Project

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The purpose of this technical note is to provide instructions on how to create a project in Microsoft VS2008 and include the D2xx DLL in that project.

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Table of Contents

1   Introduction

This document provides instruction on the flow required to create a project using Microsoft Visual Studio 2008 tool and how to add the FTD2xx dll to that project.

2   Acronyms and Abbreviations

Terms	Description
DLL	Dynamically Linked Library
VS2008	Microsoft Visual Studio 2008 software development tool

Table 2.1 Acronyms and Abbreviations

3   Creating the Project

The following pages assume that a customer has connected an FTDI device and that the driver has been loaded.

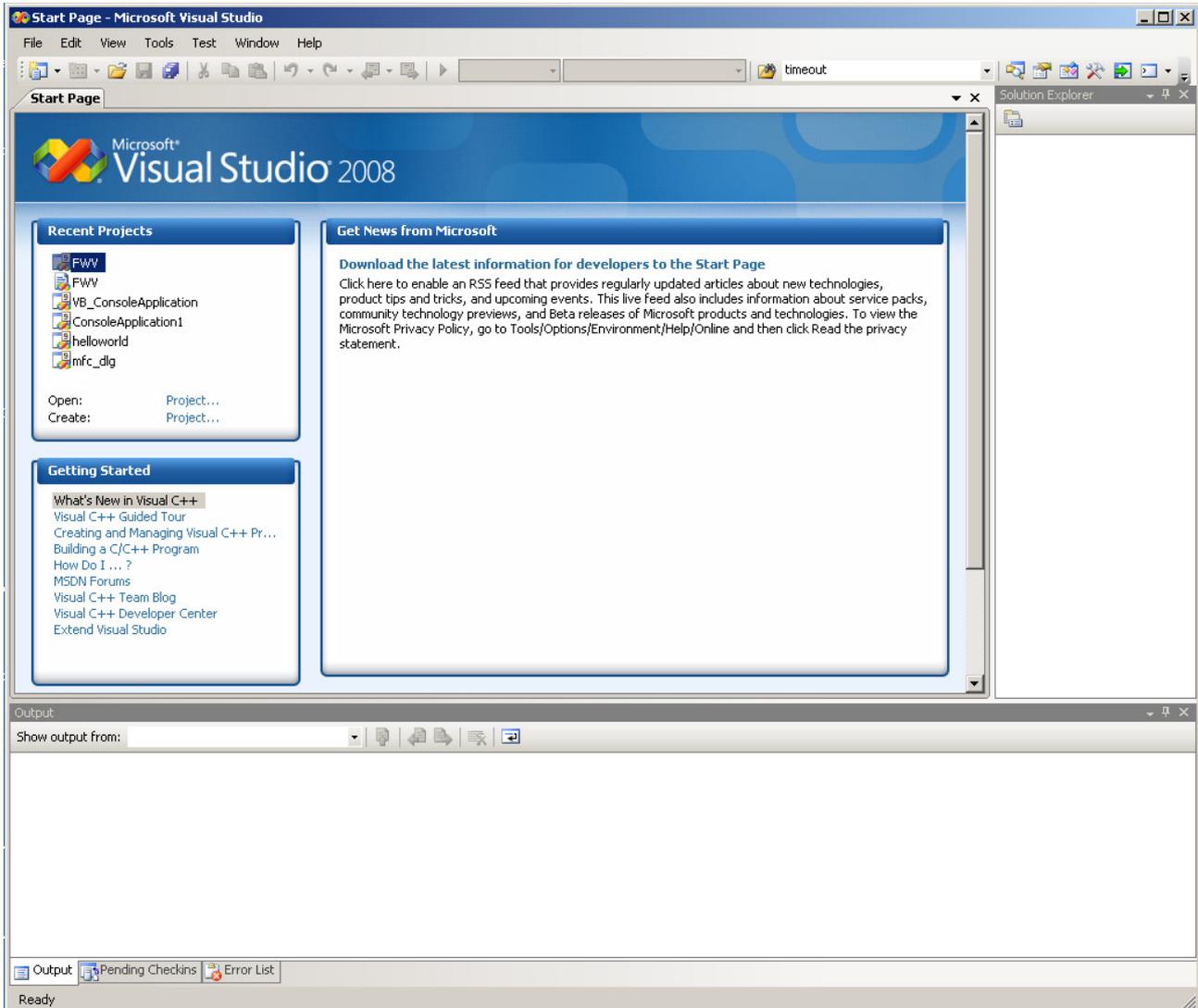When VS2008 is first opened then a screen similar to Figure 1 is displayed.

Figure 1: The opening screen for VS2008.

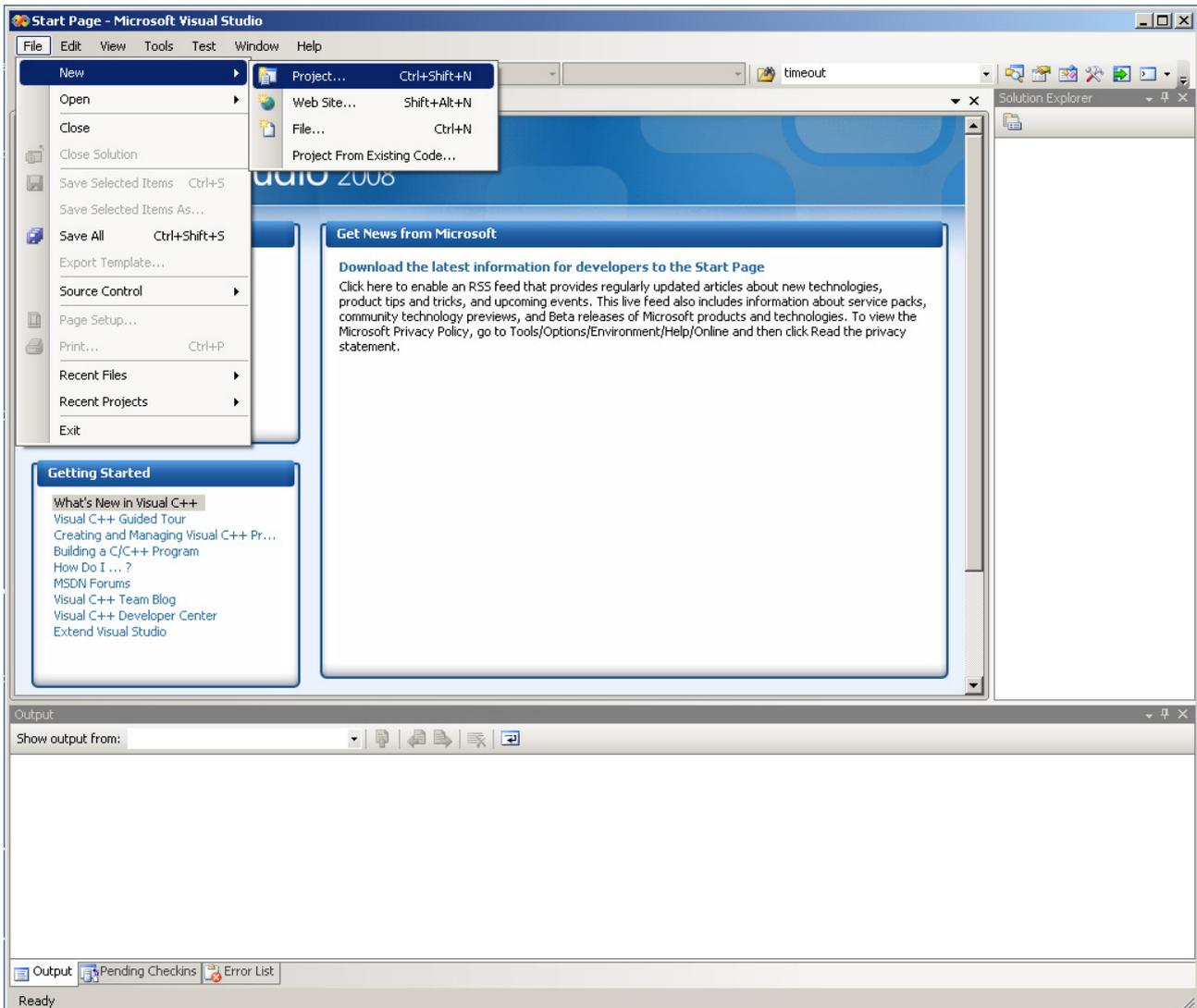To create a new project from this screen, select File > New > Project.

Figure 2: Select New Project.

This will pop up a window as per Figure 3 which allows selection of the project language, type and name. This document provides instructions on creating a Visual C++ Win32 Console Application. However the steps for adding the FTD2xx DLL are the same for other project types.
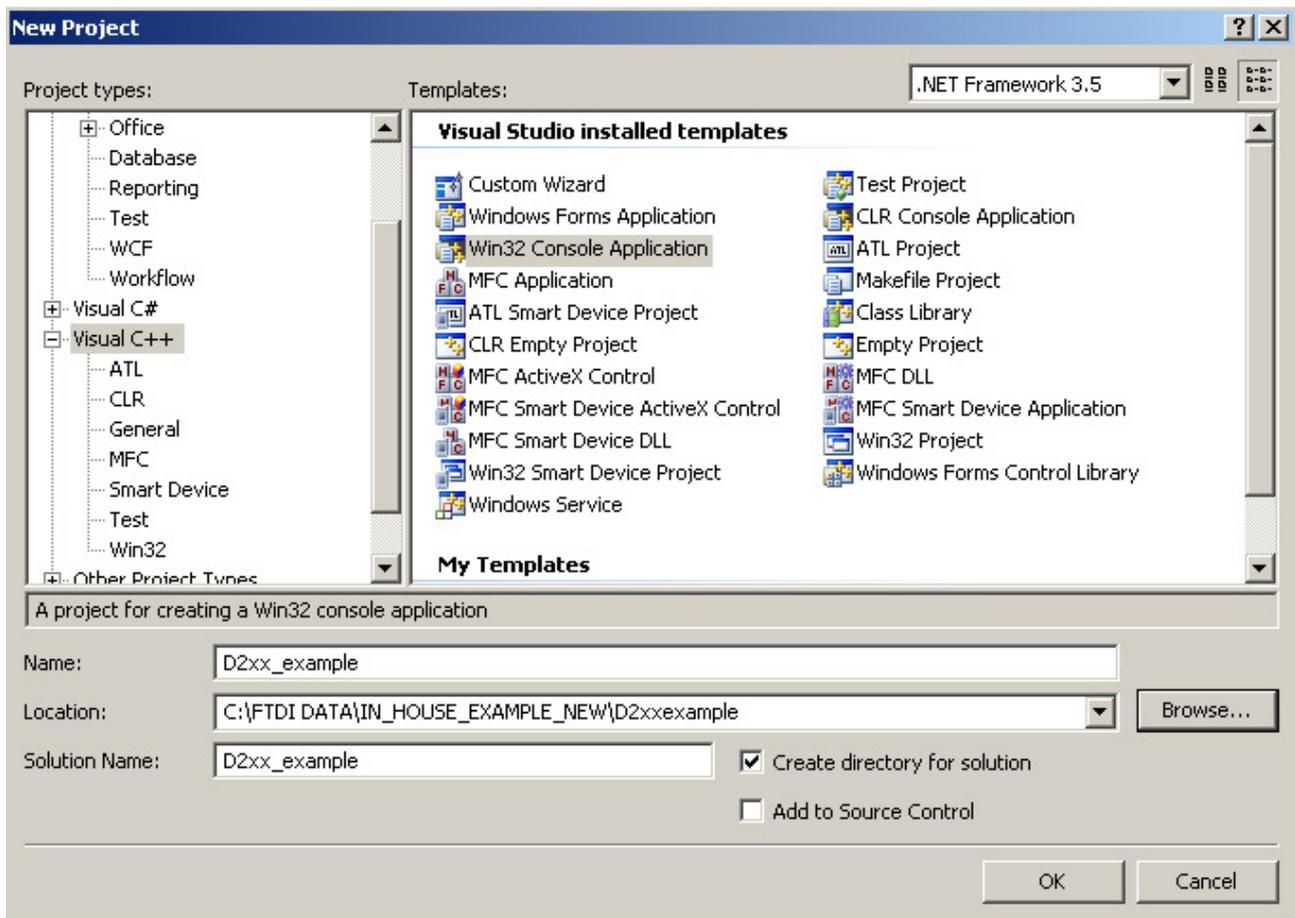

Figure 3: New Project Window.

The programmer must fill in the "Name:", "Location:" and "Solution Name:" fields with the project details before selecting OK.

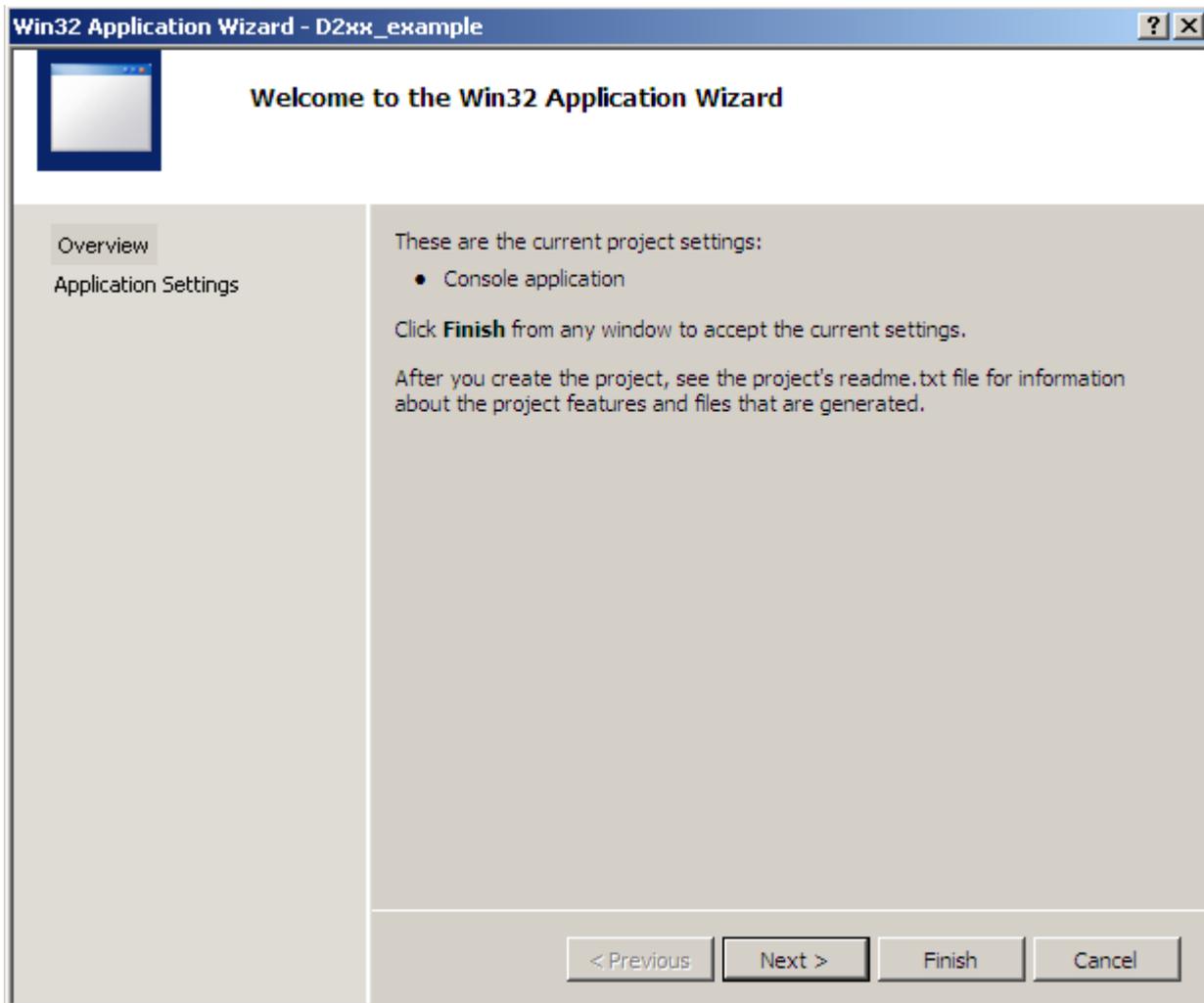Selecting OK gives the next pop up window.

Figure 4: New Project Window 2

Select NEXT.

Figure 5 shows the final setup window before the coding screen.

Select "Console Application" and "Precompiled header" which are the defaults.
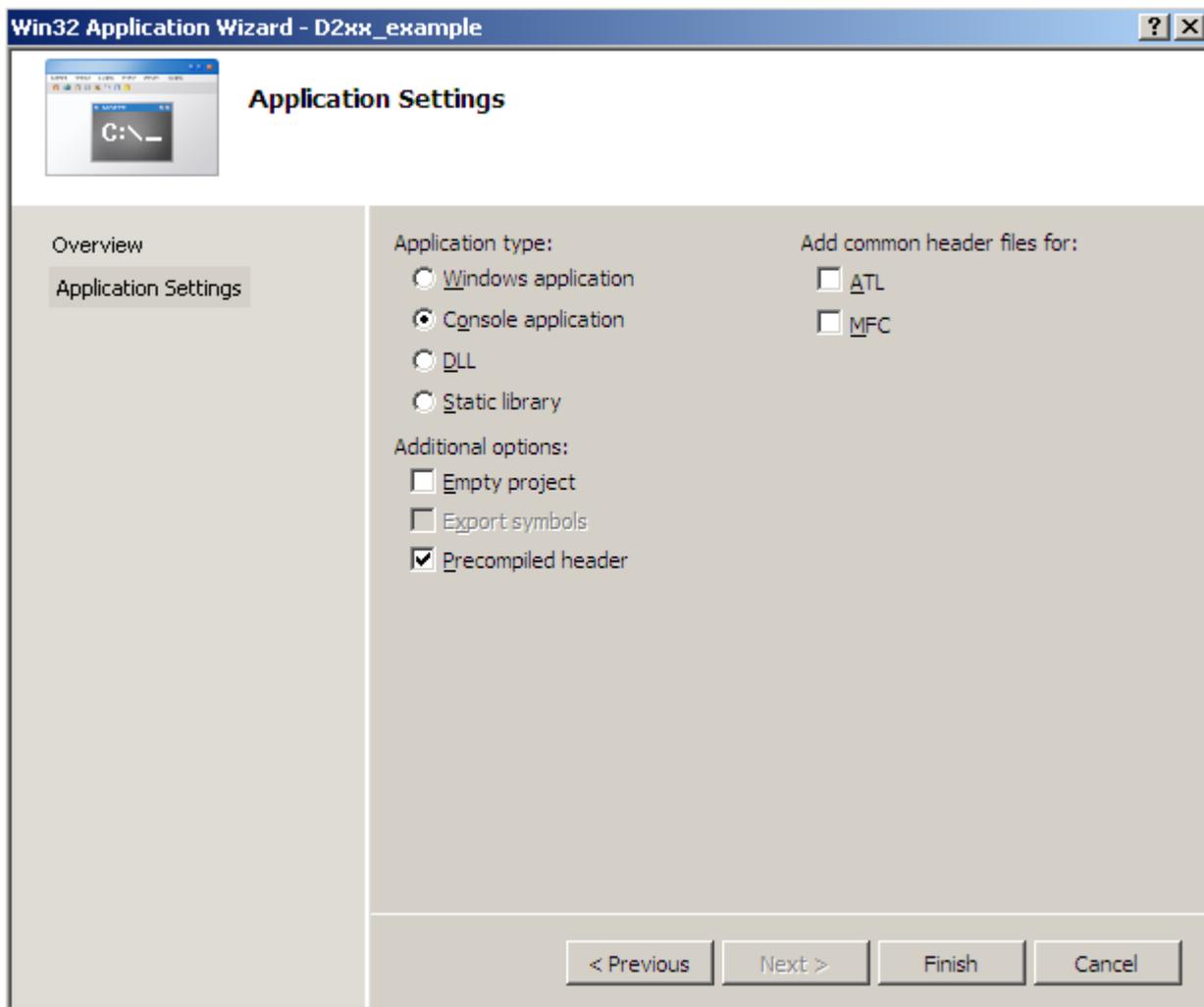
Then select FINISH.

Figure 5: Project Settings

A new project is now displayed with the C++ template as per Figure 7.
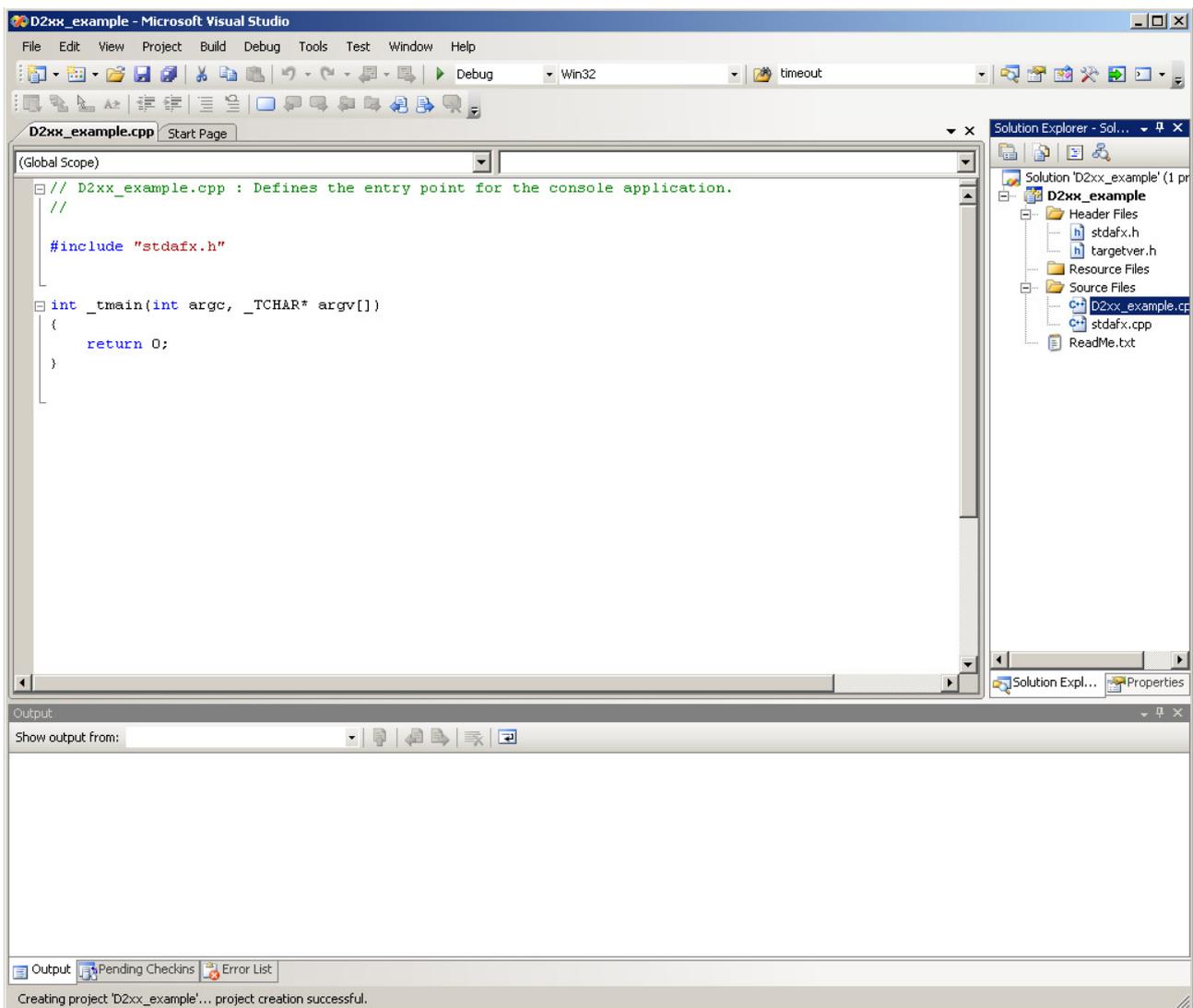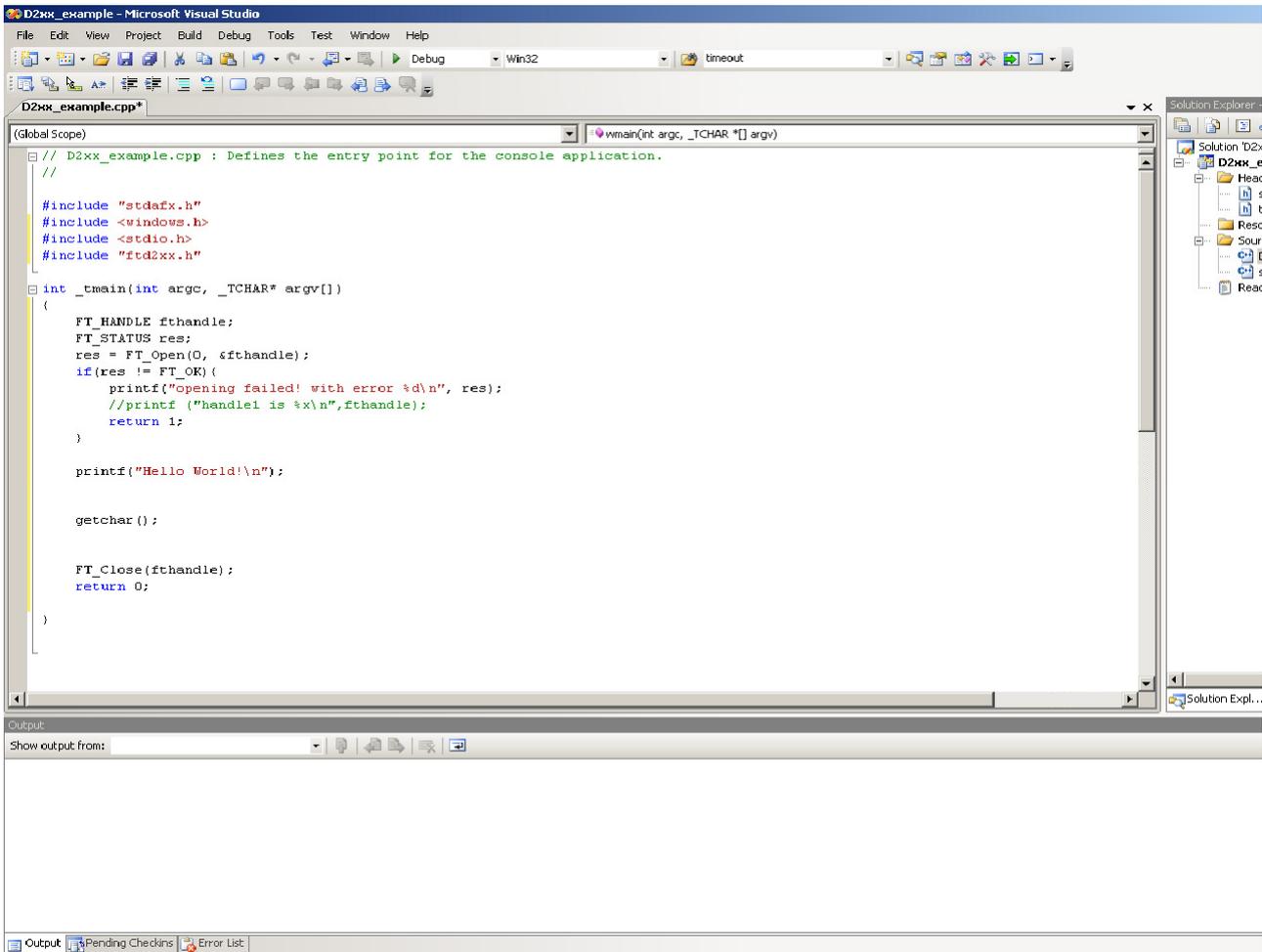

Figure 6: New Project Window.

Figure 7 shows a simple project to prove the FTD2xx DLL is installed and linked to the Project.

Figure 7: Simple Project Code.

By selecting the DEBUG button the screen in Figure 8 is displayed.

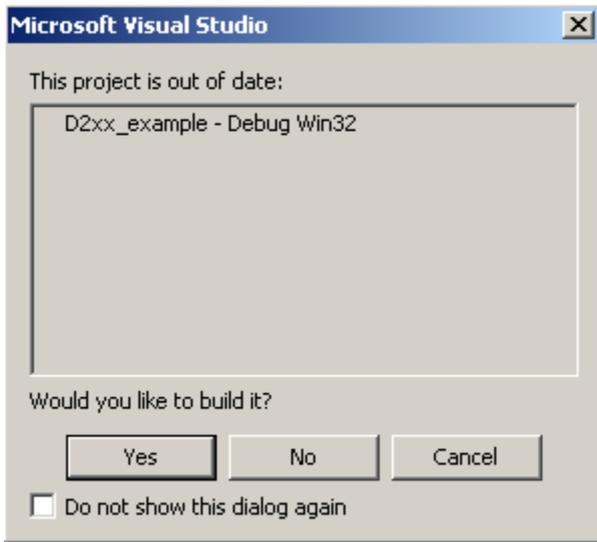Select Yes when asked "Would you like to build it?"

Figure 8: Do you like to build it?

At this stage an error is reported because the project has not been set up to link the FTD2xx.dll file to the project.

Select NO from Figure 9.

Figure 9: Error box.

From the main window, select Project > D2xx_example Properties. (as in Figure 10).
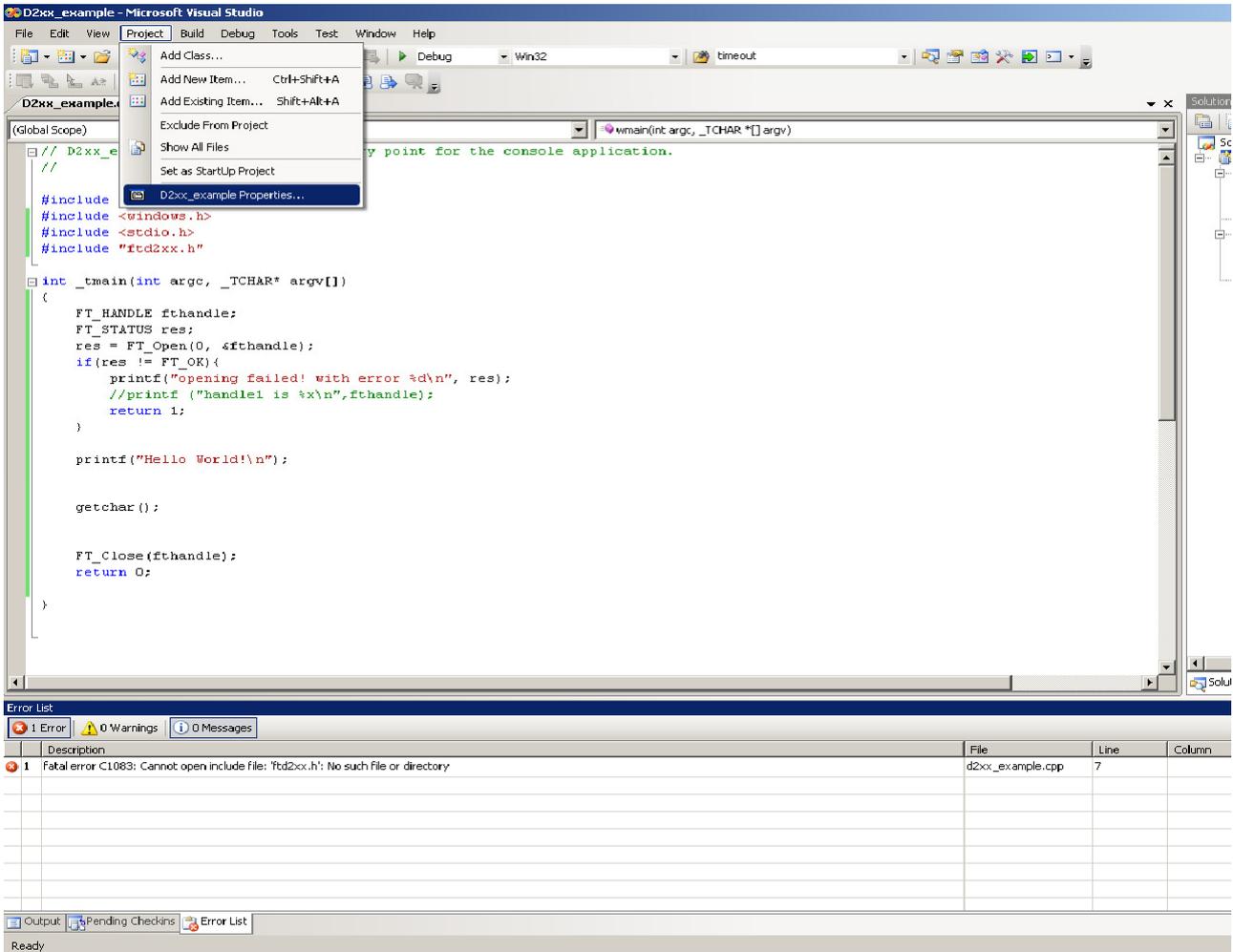

Figure 10: Select properties.

This will display the properties page as illustrated in screenshot shown in Figure 11.
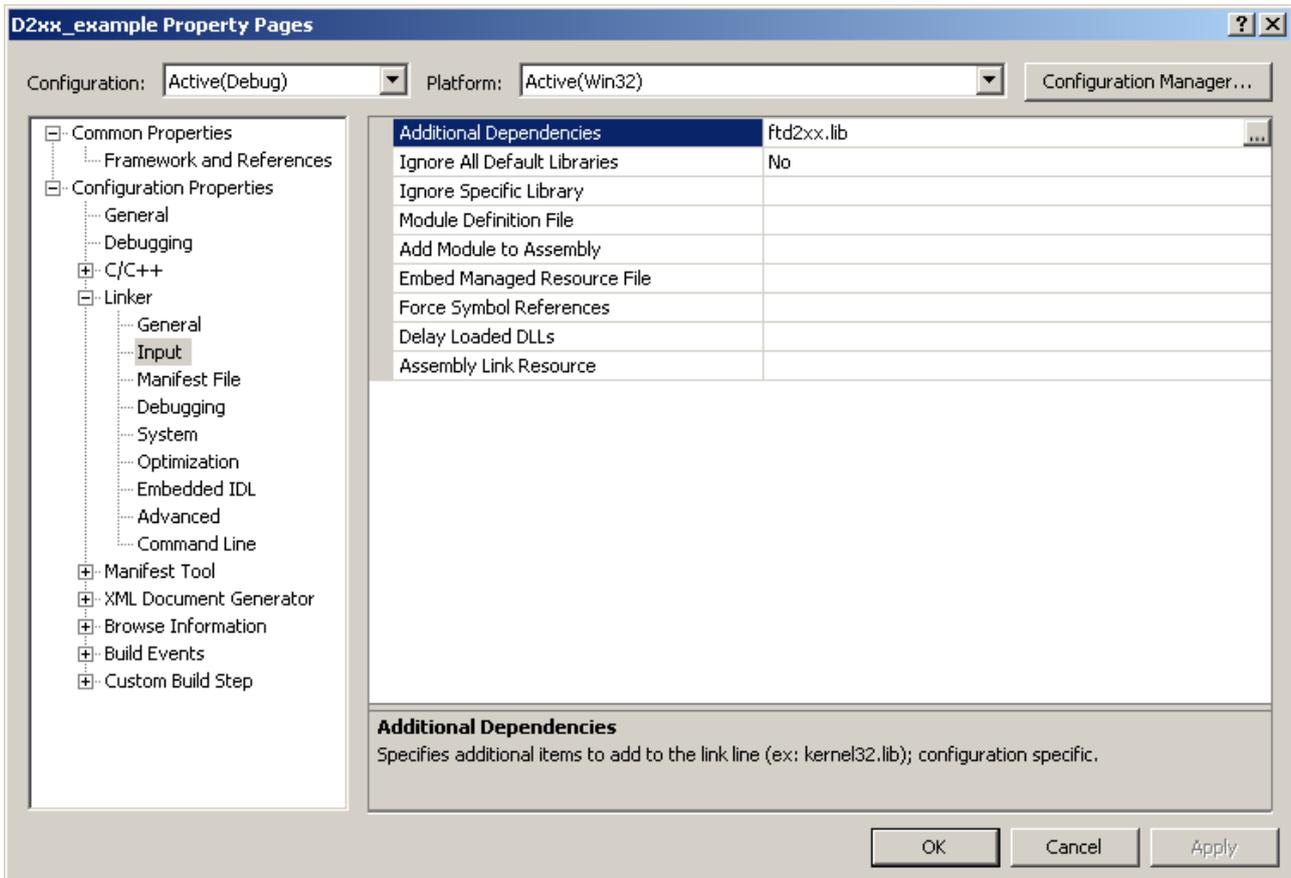
Figure 11: Properties.

Under the Linker section, it is necessary to add the ftd2xx.lib to the Additional Dependencies field.

If the full path name for the file is not input the FTD2xx.dll, FTD2xx.lib and FTD2xx.h can be added to the same folder as the source code. These files are all included with the driver zip file from the FTDI website.

Select APPLY, then select OK to close the window.

Pressing the debug button now will again prompt for the project to be built as per Figure 12.

Figure 12: Would you like to build it?

Select YES at this screen.

This time the project will build and run as per Figurer 13.

Figure 13: Code running.

4 Contact Information

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Distributor and Sales Representatives

Please visit the Sales Network page of the FTDI Web site for the contact details of our distributor(s) and sales representative(s) in your country.

Appendix A - References

D2xx Programmer Guide.

http://www.ftdichip.com/Documents/ProgramGuides/D2XXPG34.pdf

Appendix B - Revision History

Revision History

Draft	Initial Draft	June, 2009
Rev 1.0	First Release	9th June, 2009