# Tech Note

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# Installing TurboPower AsyncPro

into

# Delphi XE and C++Builder XE

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# INTRODUCTION

Async Professional is a comprehensive communications toolkit for Embarcadero Delphi®, C++Builder®, and ActiveX environments. It provides direct access to serial ports, TAPI, and the Microsoft Speech API.  It supports faxing, terminal emulation, VOIP, and more.

AsyncPro is available as an open source project on:

- SourceForge at http://sourceforge.net/projects/tpapro/   Release 5.0.0 RC1
- SongBeamer at http://www.songbeamer.com/delphi/     Release 4.0.7 RC4
- AsyncPro Documentation is available at http://tpapro.sourceforge.net/

NOTE:  AsyncPro Release 5.0.0 RC1 has the same functionality as Release 4.0.7 RC4

The SourceForge Release 5.0.0 RC1 is mainly upgraded for Unicode compatibility with Delphi 2009, 2010, and XE.  Specifically, the following 6 components have been upgraded for Unicode compatibility.

1. TApdComPort
2. TApdSLController
3. TApdStatusLight
4. TAPDTapiDevice
5. TApdTapiLog
6. TApdTapiStatus

The AsyncPro Release 5.0.0 RC1 to do list include all the components inside the "version 4 units in queue for upgrade" folder are needed to upgrade.

This paper will address the two versions in three separate sections:
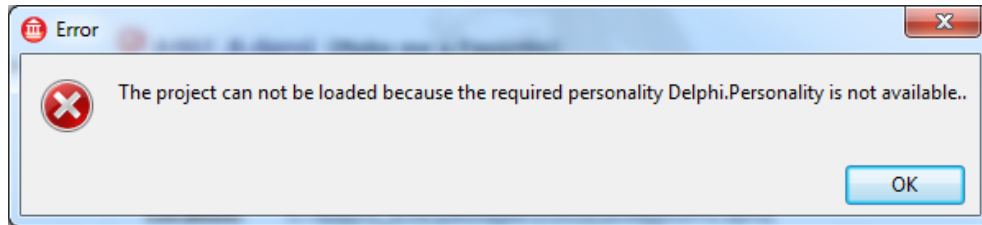
- Part 1 – Installation of SongBeamer's AsyncPro 4.0.7 RC4 for Delphi XE
- Part 2 - Installation of SongBeamer's AsyncPro 4.0.7 RC4 for C++Builder XE using command line dcc32.exe
- Part 3 – Installation of SourceForge's AsyncPro 5.0.0 RC1 for Delphi XE and/or C++ Builder XE using command line dcc32.exe

## INSTALLATION NOTES:

NOTE (1):  If you only have the C++Builder personality, you can skip to the second or third sections of this document. They show the usage of a command line build of the .dpk (rather than the .dproj) file with the -JL switch.  This will build all the files necessary for

C++Builder. (E.g., dcc32 -JL A407_R.dpk) The bpl can then be installed from the component menu in C++Builder.

NOTE (2):  If you have RAD Studio XE and are using the C++Builder XE personality and you get this error message trying to open a Delphi package or project:  Delphi.Personality is not available.



Most likely, your parameters to start your IDE include "**–pCBuilder**", e.g. "C:\Program Files\Embarcadero\RAD Studio\8.0\bin\bds.exe" **–**pCBuilder

The –p flag says to only use the specified personality, in this case C++Builder

Please remove the "–pCBuilder" and change your start-up to this.

If you started your IDE using the links provided in the start menu, please use the RAD Studio link instead of the C++Builder link.

# PART 1 - INSTALLATION OF SONGBEAMER'S ASYNCPRO 4.0.7 RC4 FOR DELPHI XE
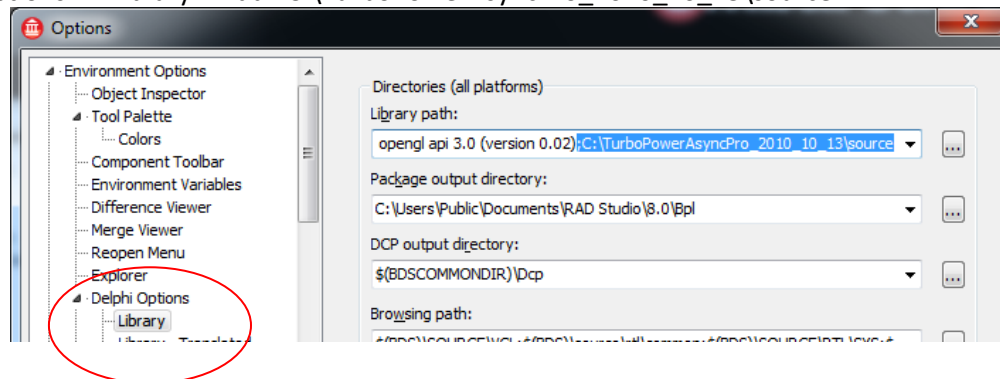
To install TurboPower AsyncPro into your Delphi XE, take the following steps:

 1. Download and Unzip the release files from SongBeamer at
http://www.songbeamer.com/delphi/  into a directory (e.g.,
C:\TurboPowerAsyncPro_2010_10_13).

 2. Start Delphi XE.
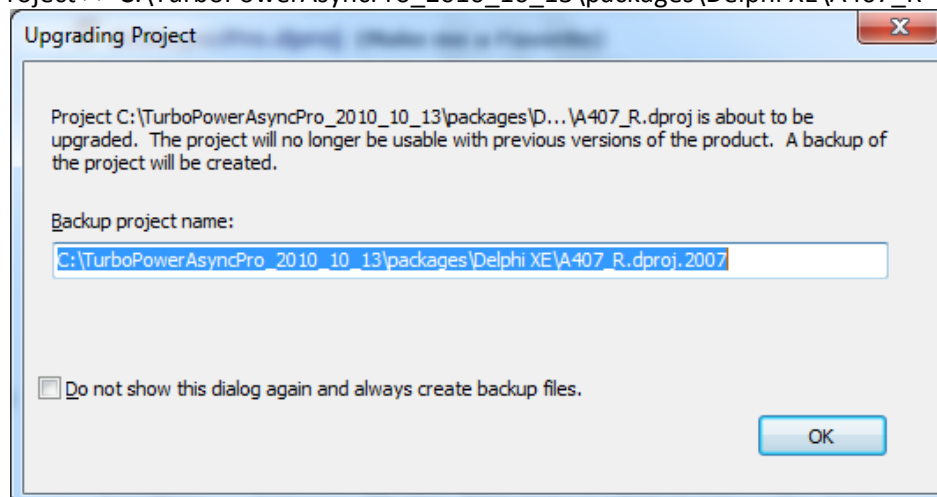
 3. Add the source subdirectory to Delphi XE library path.

Tools >> Options >> Library:   Add   C:\TurboPowerAsyncPro_2010_10_13\source
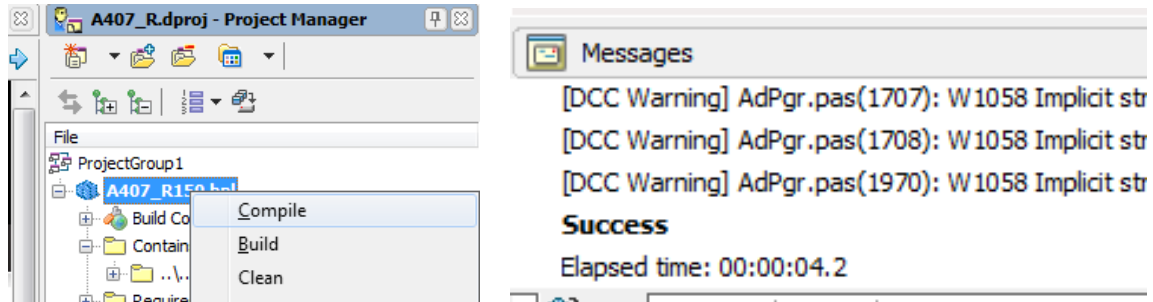


 4. Open and Compile the runtime package for Delphi XE.

File >> Open Project >> C:\TurboPowerAsyncPro_2010_10_13\packages\Delphi XE\A407_R
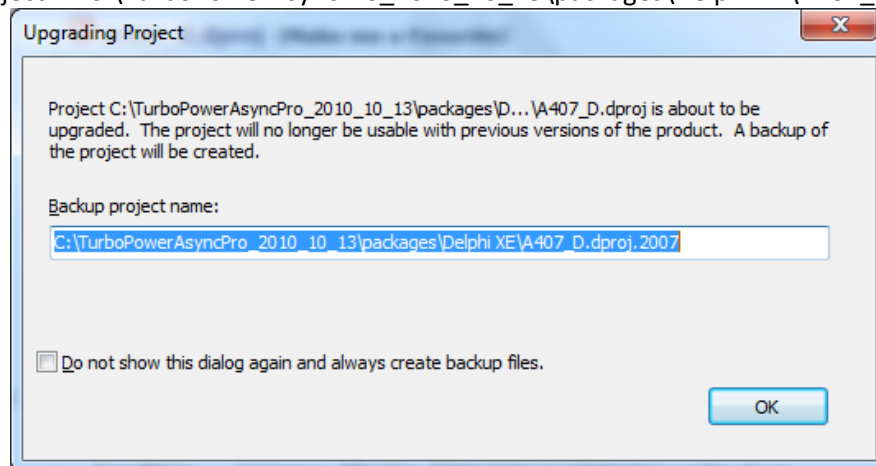
Click OK.
Right-Click project >> Compile.
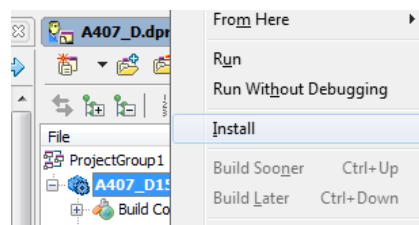


5. Open and Install the design time package for Delphi XE. The IDE will notify you the components have been installed.

File >> Open Project >> C:\TurboPowerAsyncPro_2010_10_13\packages\Delphi XE\A407_D
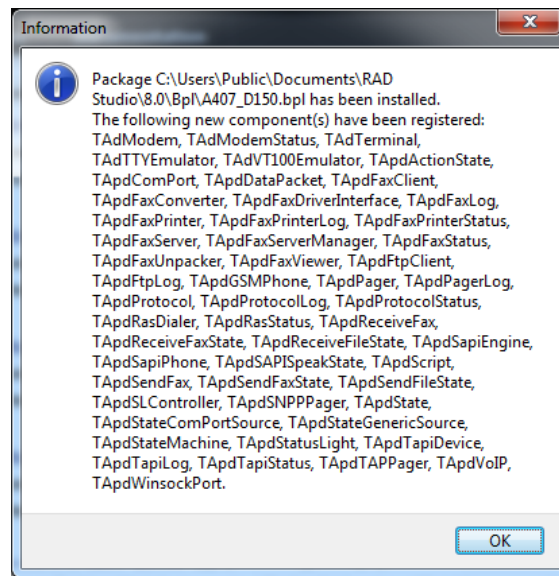


**Click OK.**
**Right-click project >> Install**
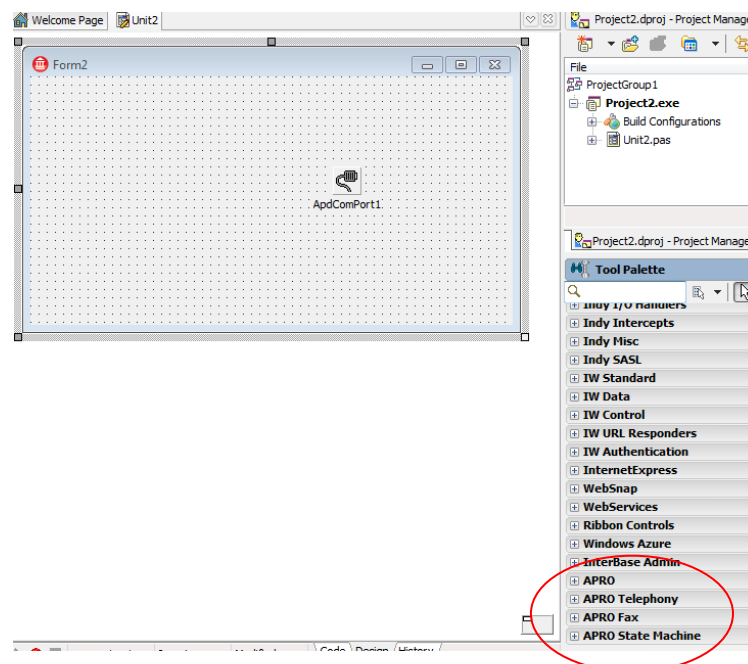
Delphi XE should notify you the components have been installed, like this:



Verify the TurboPower AsyncPro components have been installed in Delphi XE:

File >> New VCL Forms Application.
APRO components are listed on your Tool Palette, like this:



Congratulations!

# PART 2 - INSTALLATION OF SONGBEAMER'S ASYNCPRO 4.0.7 RC4 FOR C++BUILDER XE USING COMMAND LINE DCC32.EXE

If you only have the C++Builder personality, use a command line build of the .dpk (rather than the .dproj) file with the -JL switch. This will build all the files necessary for C++Builder.

(For example: dcc32 -JL A407_R.dpk)

The bpl can then be installed from the component menu in C++Builder.

To install TurboPower AsyncPro into your C++Builder XE , take the following steps:
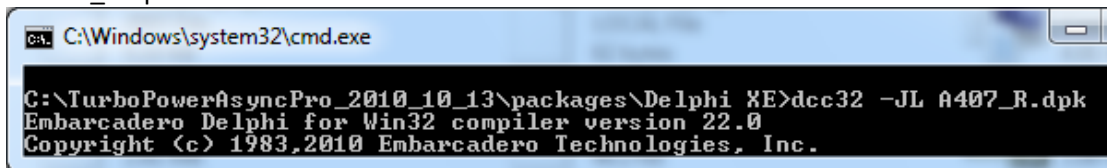
1. Download and Unzip the release files from SongBeamer at http://www.songbeamer.com/delphi/  into a directory (e.g., C:\TurboPowerAsyncPro_2010_10_13).

Using command line:

2. Change directory to C:\TurboPowerAsyncPro_2010_10_13\packages\Delphi XE

3. Compile the runtime package for C++Builder XE.
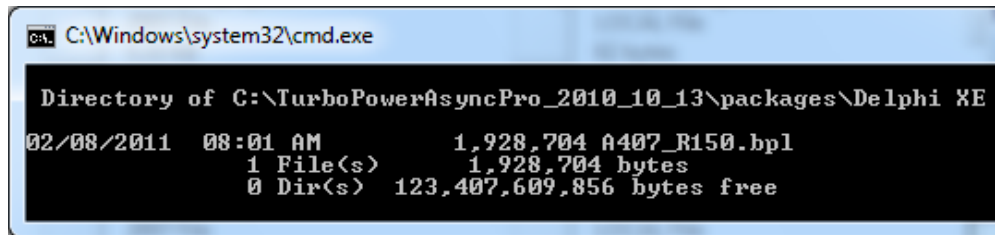
(Note:  dcc32.exe is located in your C:\Program Files\Embarcadero\RAD Studio\8.0\bin directory)

dcc32 -JL A407_R.dpk
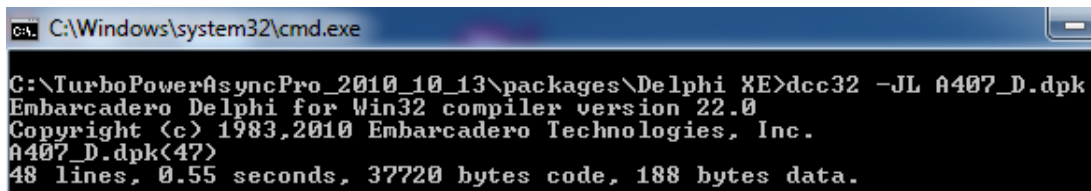
This creates your runtime BPL file:  **A407_R150.bpl**
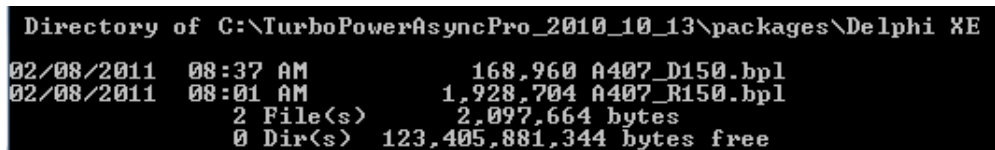


4. Compile the design time package:  **dcc32 -JL A407_D.dpk**



This creates your design time BPL file:  **A407_D150.bpl**
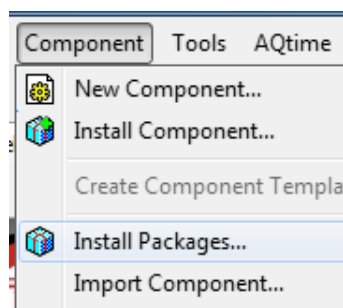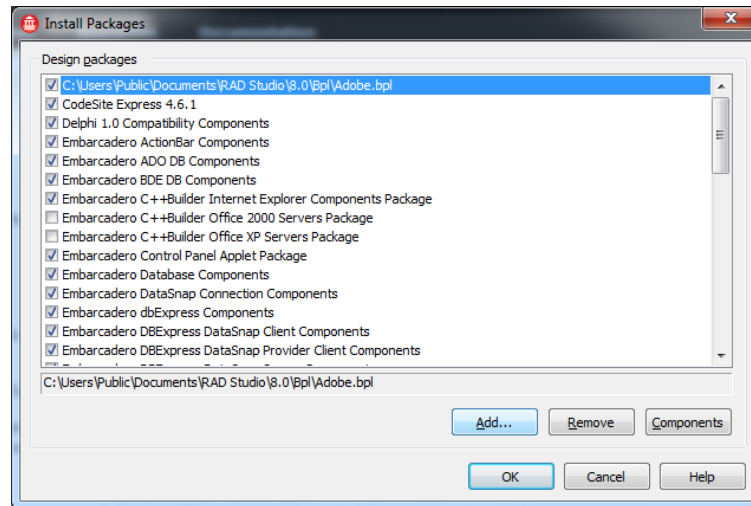


5. Start C++Builder XE.

6. Copy the runtime **A407_D150.bpl** to your BPL directory (e.g., C:\Users\Public\Documents\RAD Studio\8.0\Bpl)
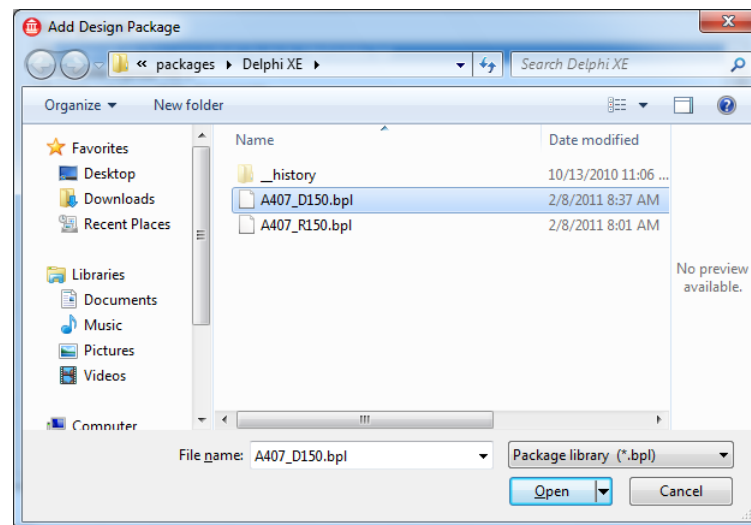
7. Install the design time **A407_D150.bpl** from the **Component >> Install Packages** menu.
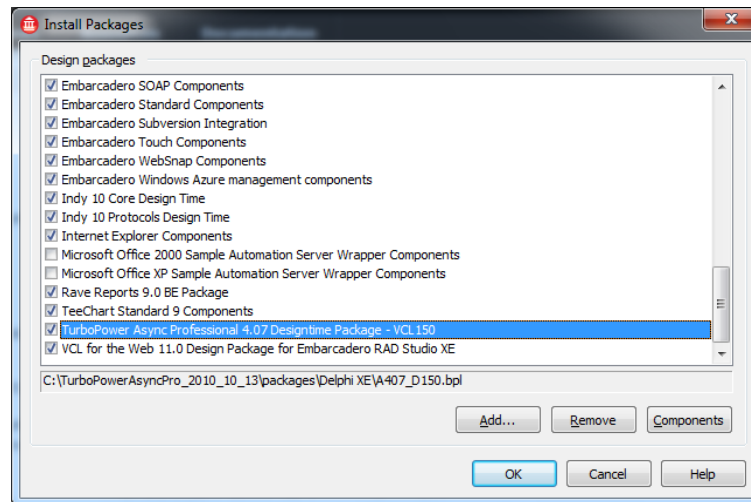
8. Click Add…



9. Browse to your **A407_D150.bpl** file.  **Click Open.**



10.  Your **TurboPower Async Professional 4.07 Designtime Package – VCL 150** should get added to your Install Packages, like this:
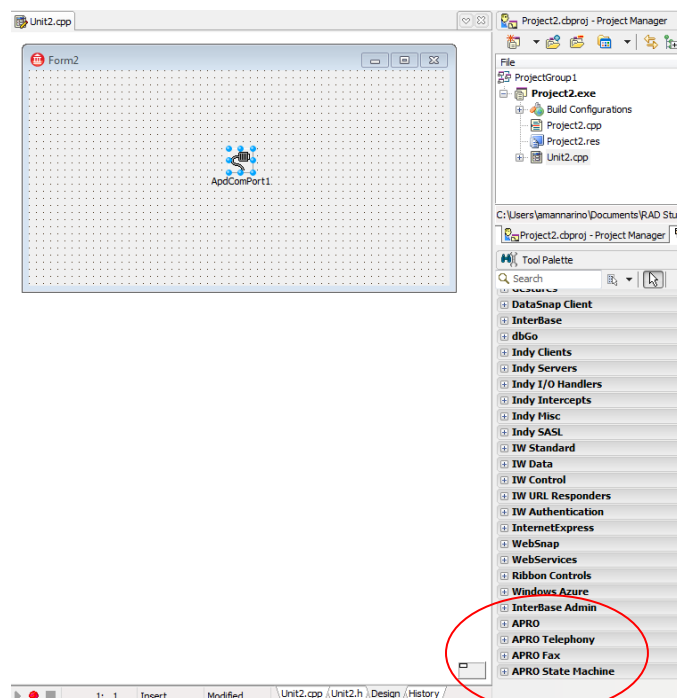
11. Click OK.

12. Verify the TurboPower AsyncPro components have been installed in C++Builder XE:

File >> New VCL Forms Application C++Builder

APRO components are listed on your Tool Palette, like this:



Congratulations!

# PART 3 - INSTALLATION OF SOURCEFORGE'S ASYNCPRO 5.0.0 RC1 FOR DELPHI XE AND/OR C++ BUILDER XE

To install TurboPower AsyncPro into your IDE, take the following steps:

1. Download and Unzip the release files from http://sourceforge.net/projects/tpapro/ into a directory (e.g., C:\tpapro_5.00\).
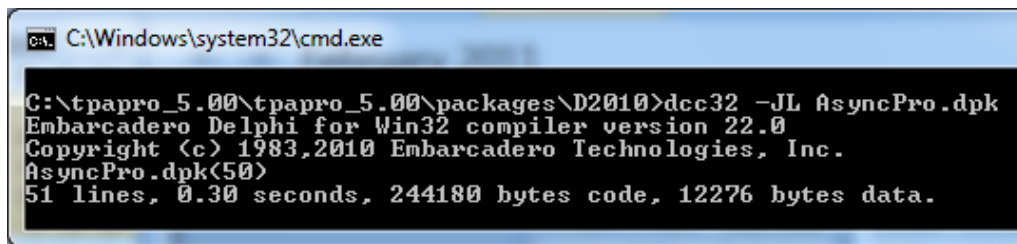
Using command line:

2. Change directory to C:\tpapro_5.00\tpapro_5.00\packages\D2010

3. Compile the runtime package for Delphi XE and/or C++Builder XE.
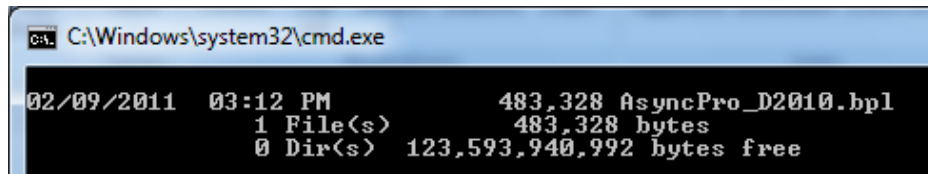
(Note:  dcc32.exe is located in your C:\Program Files\Embarcadero\RAD Studio\8.0\bin directory)

dcc32 -JL AsyncPro.dpk
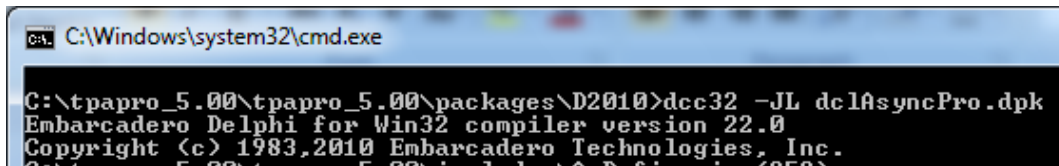


This creates your runtime BPL file:  **AsyncPro_D2010.bpl**
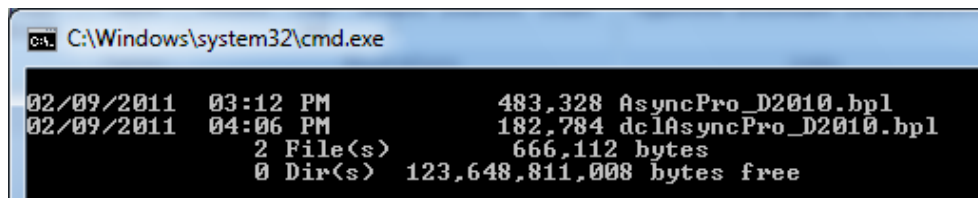
4. Compile the design time package:  **dcc32 -JL dclAsyncPro.dpk**



This creates your design time BPL file:  **dclAsyncPro_D2010.bpl**
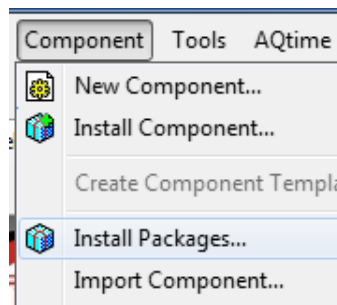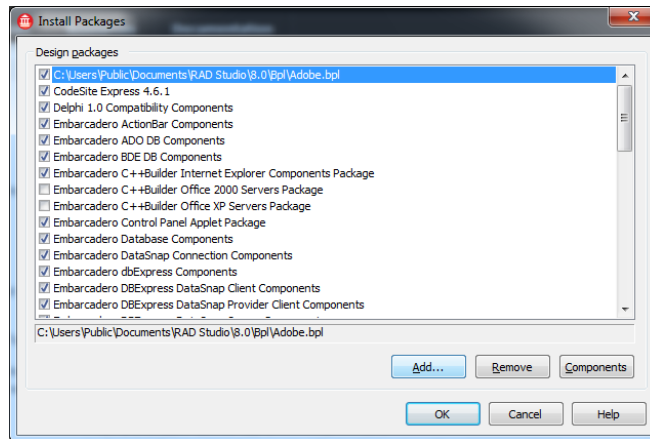


5. Start Delphi XE or C++Builder XE.

6. Copy the runtime **AsyncPro_D2010.bpl** to your BPL directory (e.g., C:\Users\Public\Documents\RAD Studio\8.0\Bpl)
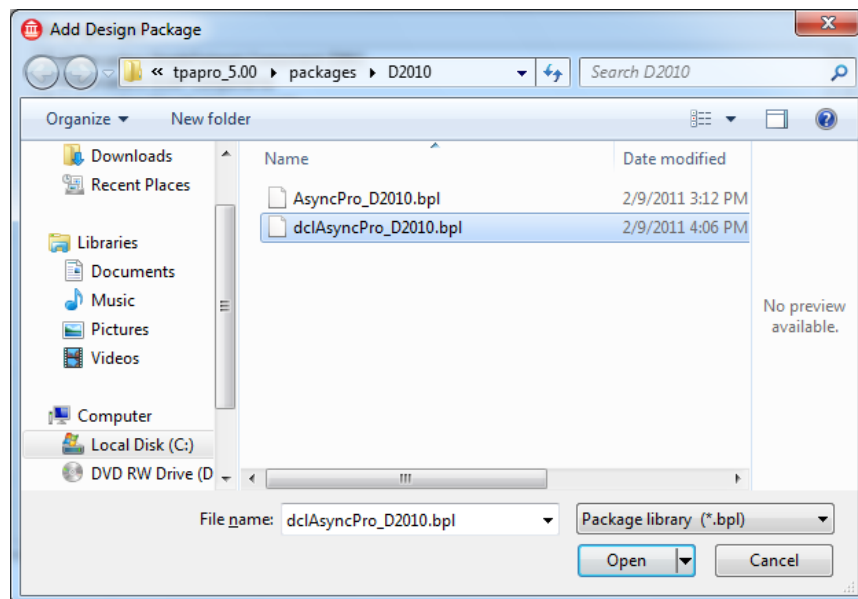
7. Install the design time **dclAsyncPro_D2010.bpl** from the **Component >> Install Packages** menu.
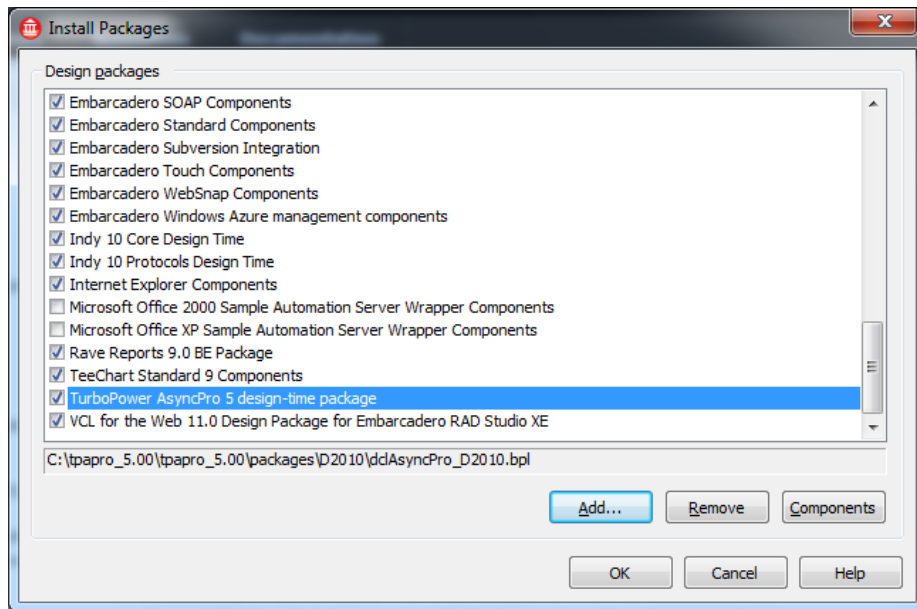
8. Click Add…



9. Browse to your **dclAsyncPro_D2010.bpl** file.  **Click Open.**



10.  Your **TurboPower AsyncPro 5 design-time package** should get added to your Install Packages, like this:
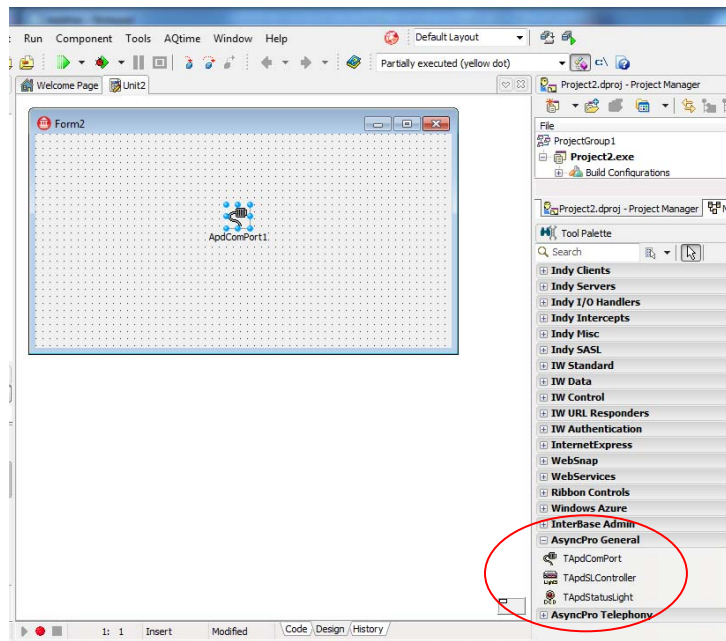
11. Click OK.

12. Verify the TurboPower AsyncPro components have been installed in Delphi XE and C++Builder XE:
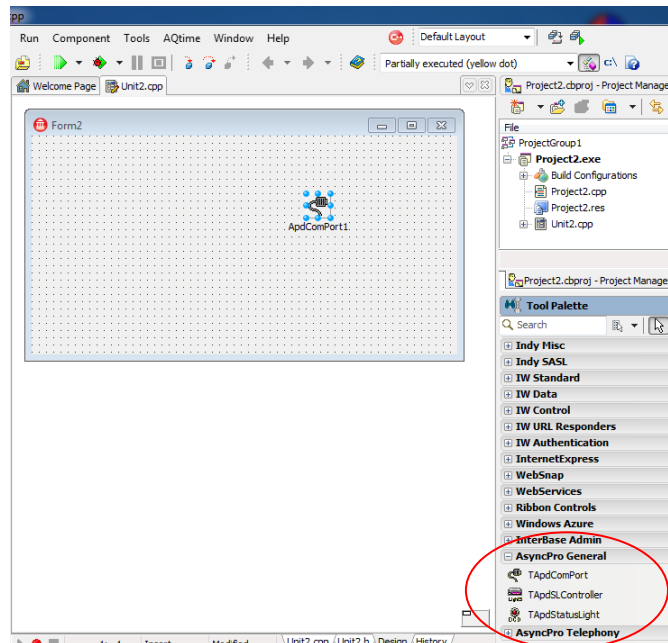
File >> New VCL Forms Application – Delphi

AsyncPro components are listed on your Tool Palette, like this:

File >> New VCL Forms Application – C++ Builder

AsyncPro components are listed on your Tool Palette, like this:



Congratulations!



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