

UniDAQ

Getting Started in LabVIEW

1

..... Installing the I/O Card UniDAQ Driver

Follow these steps:

1. The installer package for UniDAQ driver can be obtained from the software download of the I/O card series web site or the companion CD-ROM. The locations and addresses are shown below:

Note: the UniDAQ Driver supports Windows 2000 and 32/64-bit Windows /XP/2003/Vista/7/8.

CD:\\ NAPDOS\\PCI\\UniDAQ\\DLL\\Driver

<http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/unidaq/dll/driver/>

2. Double Click the **UniDAQ_Win_Setupxxx.exe** to setup it.
3. Click the “**Next>”** button to start the installation.
4. Check your DAQ Card is or not on supported list, click the “**Next>”** button.
5. Click the “**Next>”** button to install the driver into the default folder.
6. Check your DAQ card on the list, then click the “**Next>”** button.
7. In the **Select Additional Tasks** windows, click the “**Next>”** button.
8. In the **Download Information** windows, click the “**Next>”** button.
9. Select “**NO, I will restart my computer later**” and then click the “**Finish**” button.

2

Installing Hardware on PC

Follow these steps:

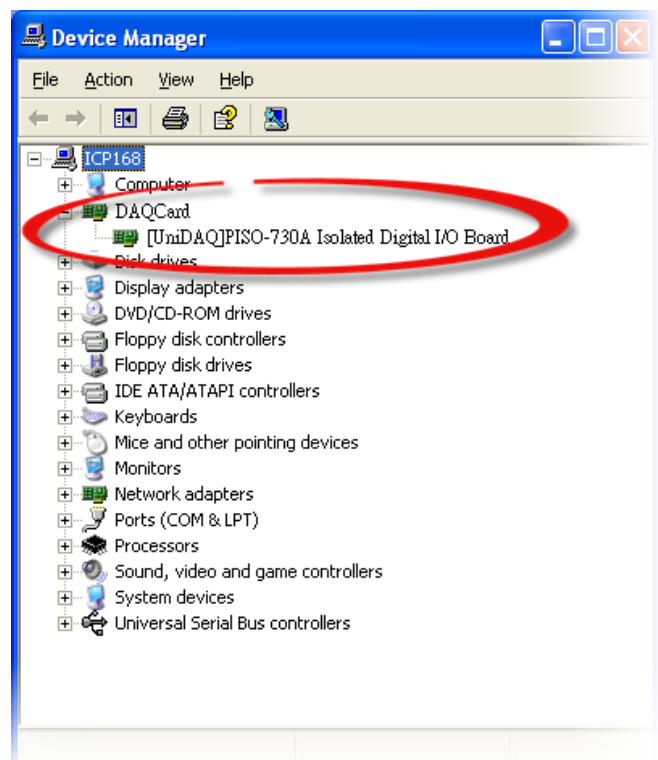
1. Shut down and power off your computer.
2. Remove the cover from the computer.
3. Select an unused PCI slot.
4. Carefully insert your I/O card into the PCI slot.
5. Replace the PC cover.
6. Power on the computer.

After powering-on the computer, please finish the Plug&Play steps according to the prompt message.

3

Check that the Installation

Once the driver and hardware have been installed, please open the Windows **Device Manager** to view the I/O card and driver installed on your computer.



4

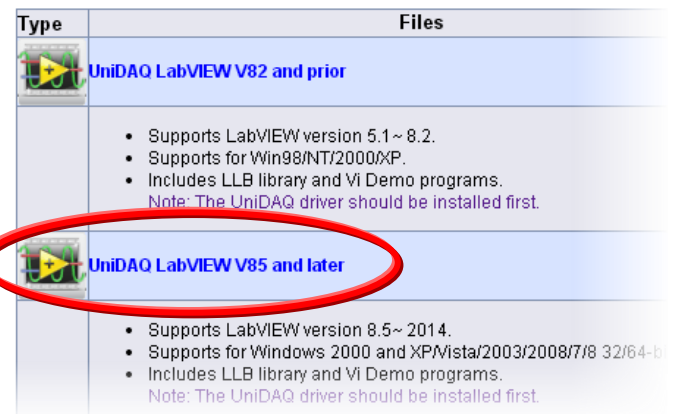
Extract the LabVIEW Toolkit

1. **Select the LabVIEW version according to you used and download it.** The LabVIEW toolkit for I/O card UniDAQ driver can be obtained from the software download of the I/O card series web site or the companion CD-ROM.

The **LabVIEW 8.5 and later** toolkit supports **LabVIEW 8.5 to 2014**.

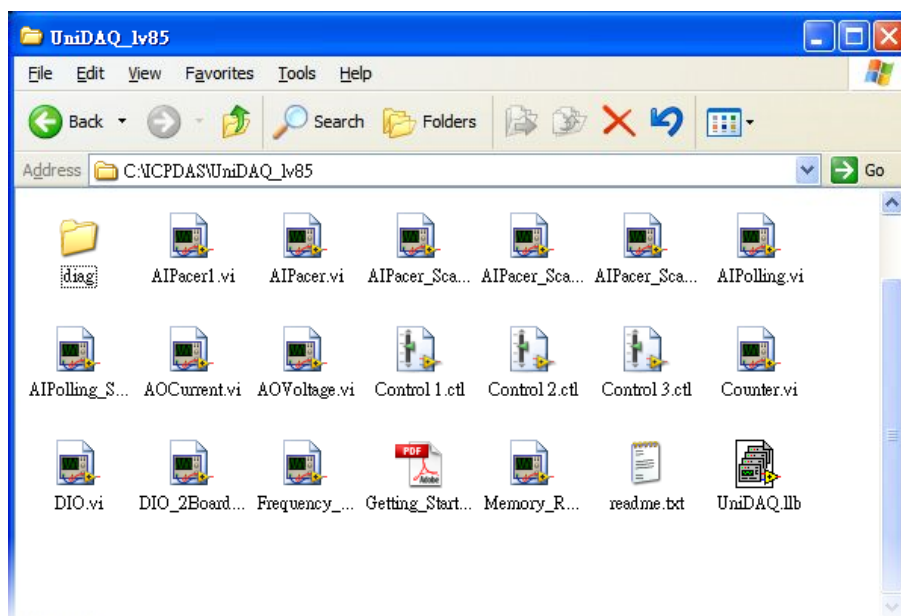
CD:\\ NAPDOS\\PCI\\UniDAQ\\LabVIEW

<http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/unidaq/labview/>



<http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/unidaq/labview/>

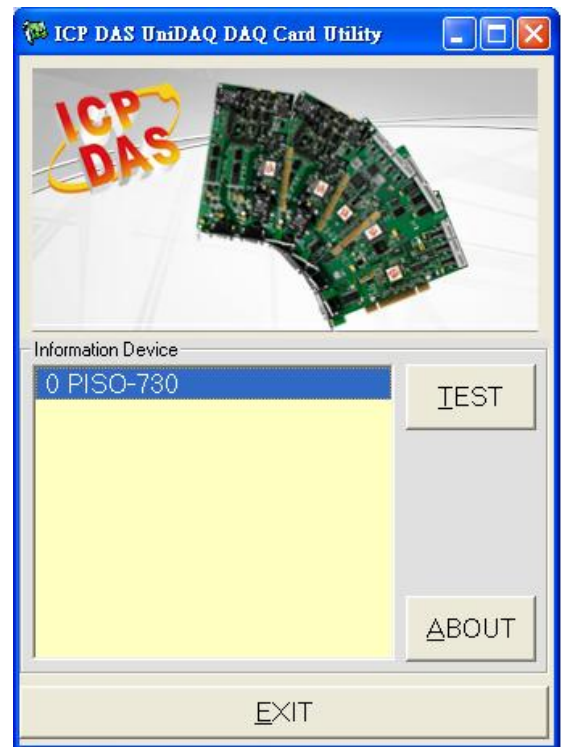
2. **Extract the LabVIEW toolkit package to a temp folder.** For example, the package's file name is "UniDAQ_lv85". Thus, the **UniDAQ_lv85** folder is created after extraction. The UniDAQ LabVIEW toolkit package contains demo programs, llb file, readme.txt and Getting Start Guide, as follows:



5 Installation Testing

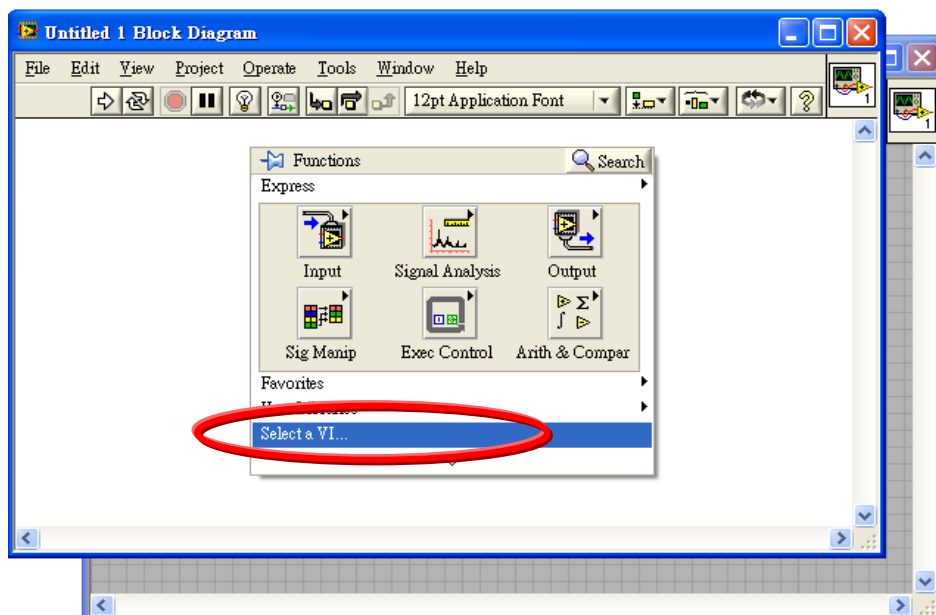
Execute the ...\\diag\\UniDAQUtility.exe program to check whether the I/O card and driver are installed correctly. You can begin to execute the LabVIEW demo after the test result is normal.

For detailed information about the wiring and self-test, refer to Quick Start Guide according to your DAQ card.

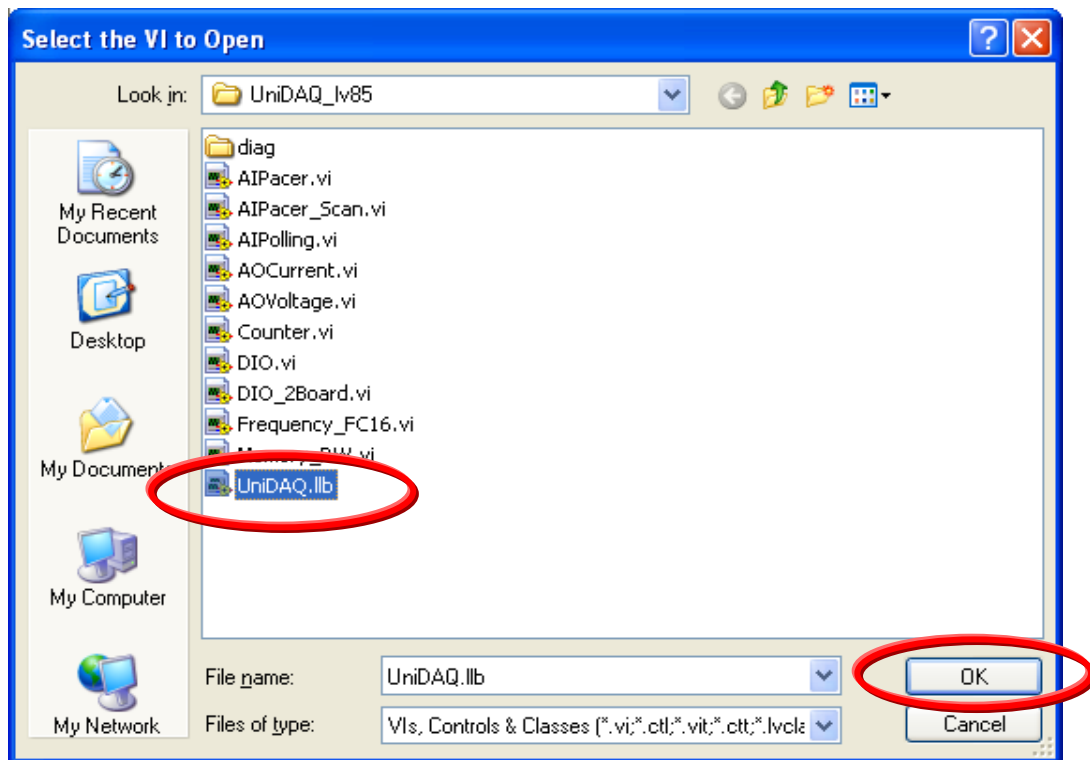


6 Calling Sub-Vis in UniDAQ.Ilb

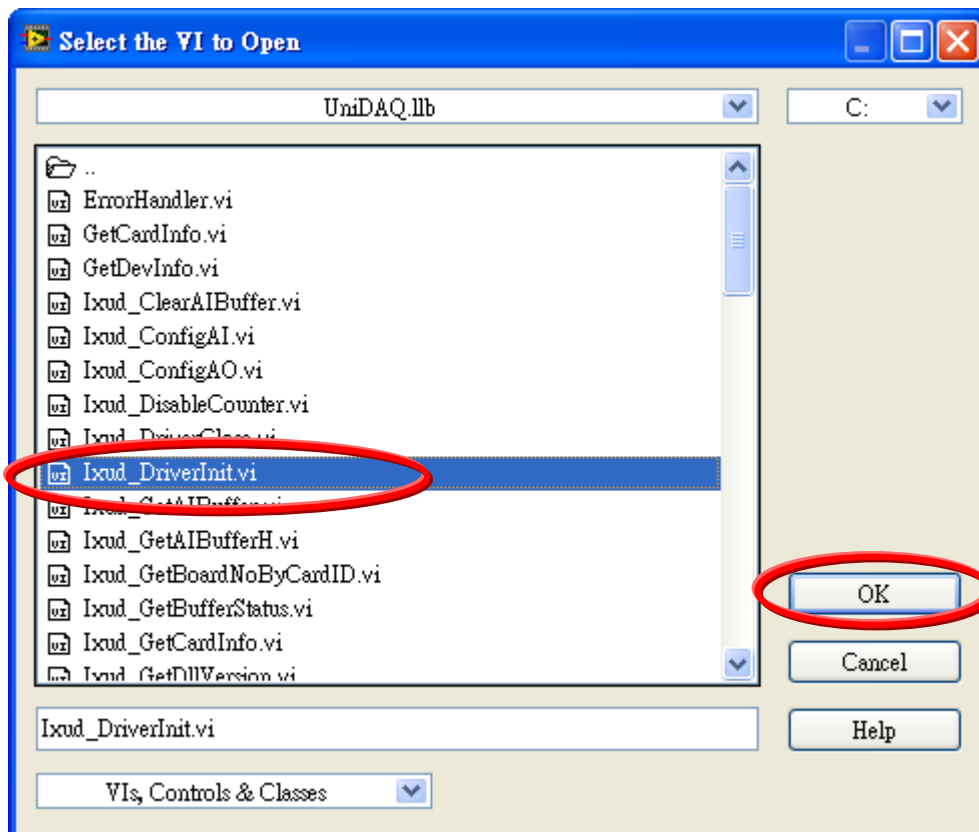
1. **Right click** on the **Block Diagram** to open the **Functions Palette** and select the “Select a VI...” item.



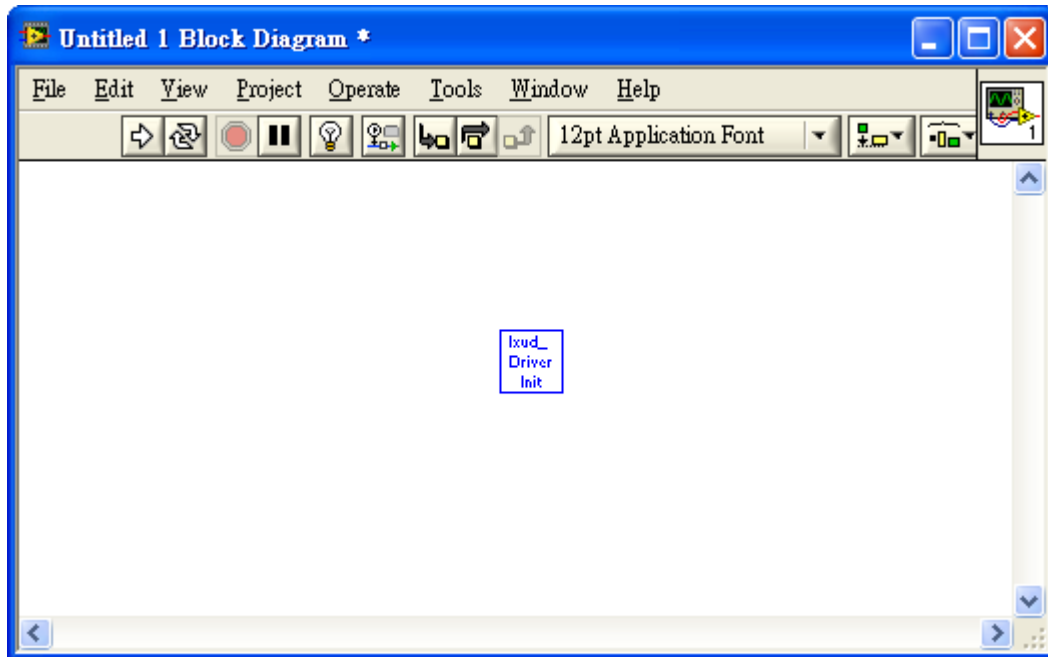
2. Select a **UniDAQ.lib** file which is in demo folder in the “Select the VI to Open” dialog box.



3. Select the desired VI and press “OK” button to close the dialog box.



- Put the icon of the **.VI** to where desired. Calling a subroutine of **.dll** in LabVIEW is complete.



- The simple arguments of a sub-VI are showed in help window. Please also refer the UniDAQ software manual about the detail description of the function.

