

# 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:

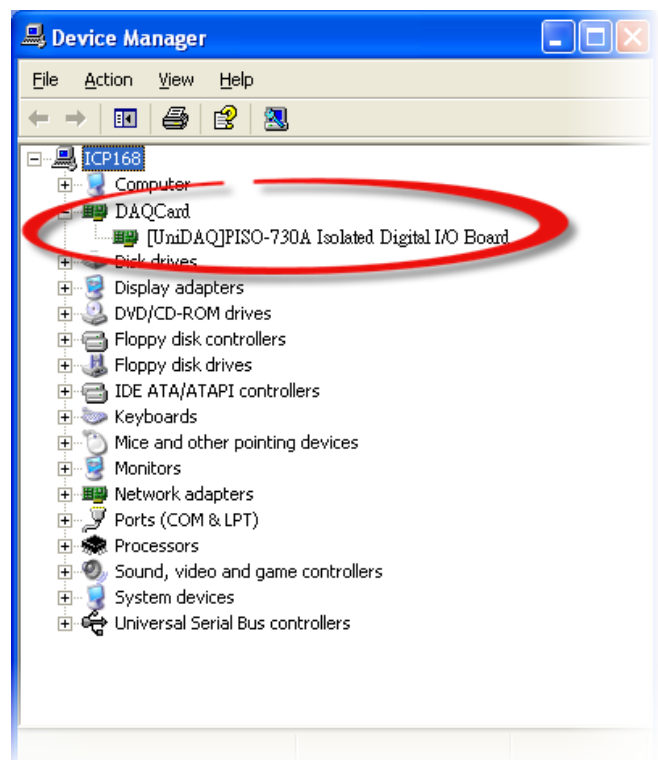
1. Shut down and power off your computer.
2. Remove the cover from the computer.
3. Select an unused PCI slot.
4. Carefully insert your I/O card into the PCI slot.
5. Replace the PC cover.
6. Power on the computer.

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 Manger** 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.

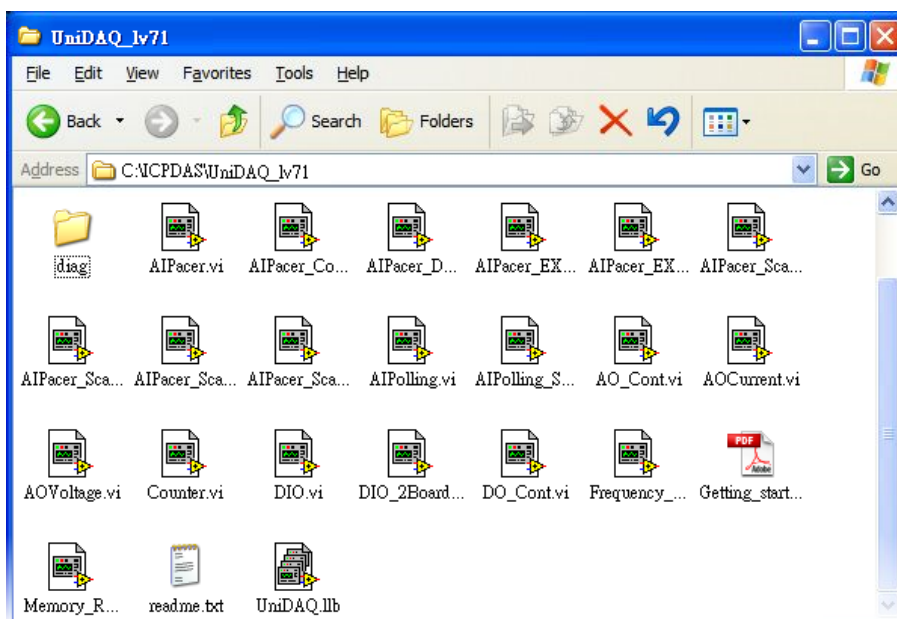
The **LabVIEW 8.2 and prior** toolkit supports **LabVIEW 5.1 to 8.2**.

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

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

Type	Files
	<b>UniDAQ LabVIEW V82 and prior</b> <ul style="list-style-type: none"><li>• Supports LabVIEW version 5.1 ~ 8.2.</li><li>• Supports for Win98/NT/2000/XP.</li><li>• Includes LLB library and Vi Demo programs.</li><li>Note: The UniDAQ driver should be installed first.</li></ul>
	<b>UniDAQ LabVIEW V85 and later</b> <ul style="list-style-type: none"><li>• Supports LabVIEW version 8.5 ~ 2014.</li><li>• Supports for Windows 2000 and XP/Vista/2003/2008/7/8 32/64-bit.</li><li>• Includes LLB library and Vi Demo programs.</li><li>Note: The UniDAQ driver should be installed first.</li></ul>

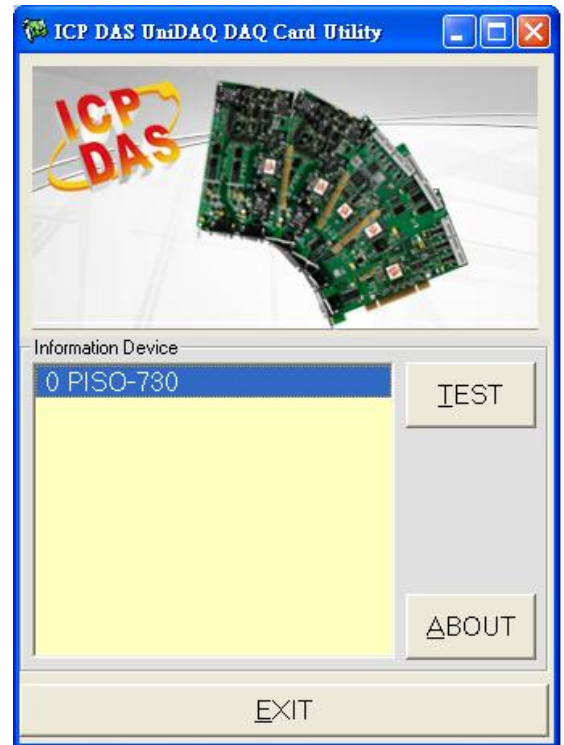
2. **Extract the LabVIEW toolkit package to a temp folder.** For example, the package's file name is "UniDAQ\_lv71". Thus, the **UniDAQ\_lv71** folder is created after extraction. The UniDAQ LabVIEW toolkit package contains demo programs, llb file, readme.txt and Getting Start Guide, as follows:



# 5 Installation Testing

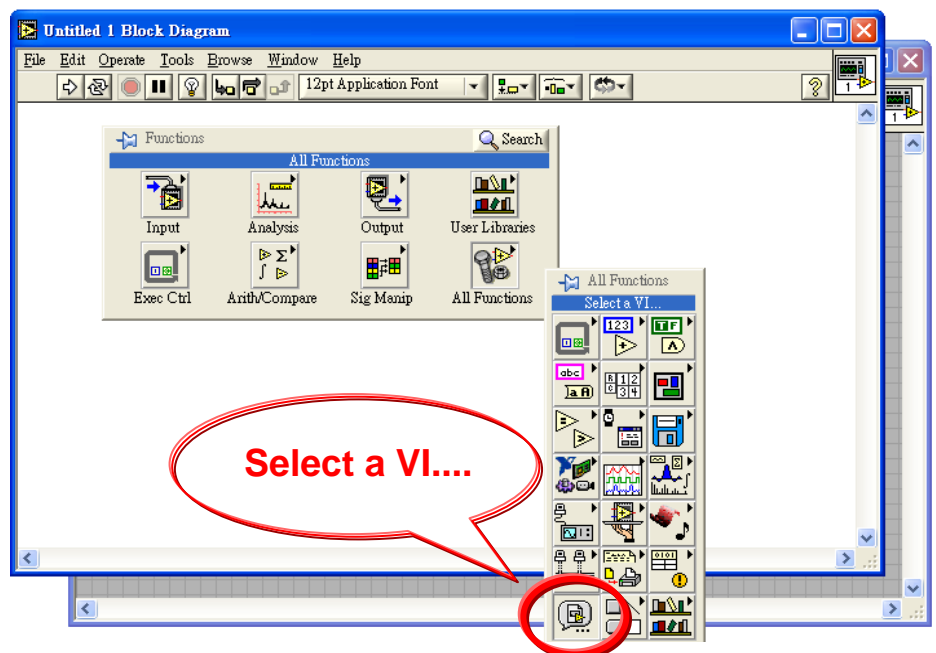
Execute the ...\\diag\\UniDAQUtility.exe program to check whether the I/O card and driver are installed correctly. You can begin to execute the LabVIEW demo after the test result is normal.

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

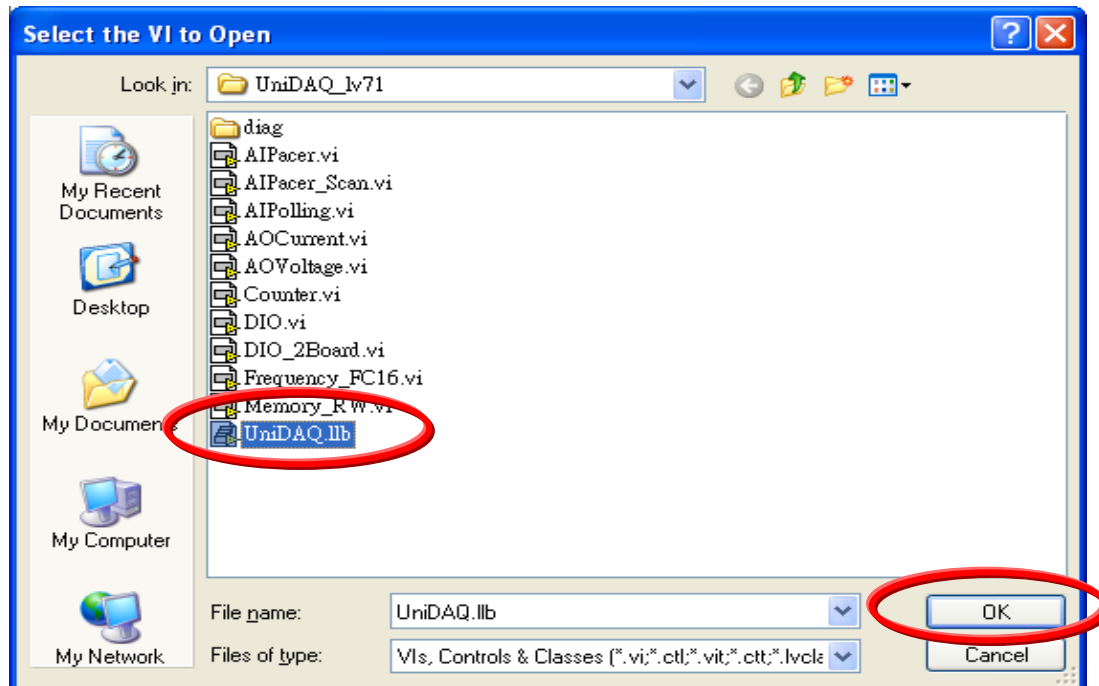


# 6 Calling Sub-Vis in UniDAQ.Ilb

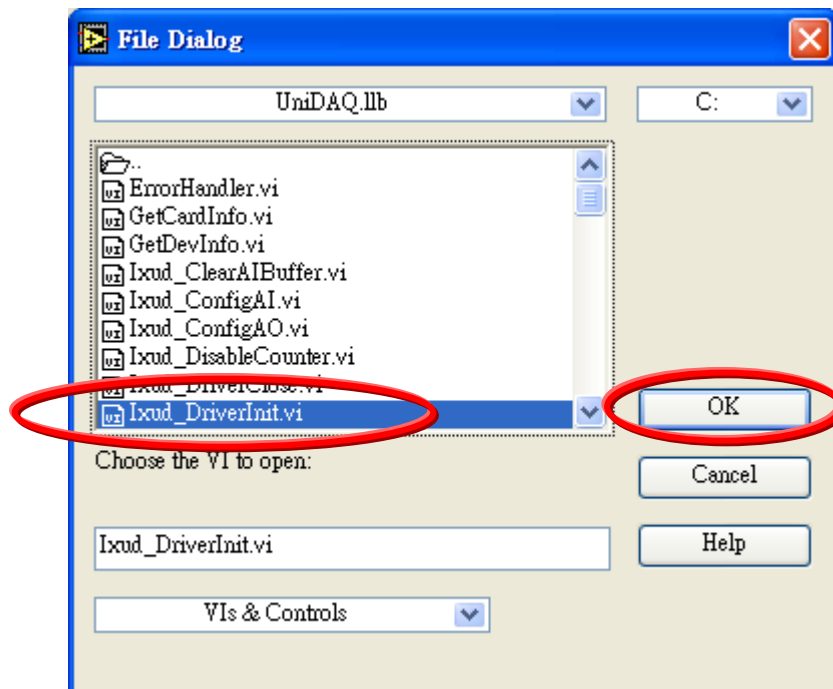
1. **Right click** on the **Block Diagram** to open the **Functions Palette** and select the “Select a VI...” item.



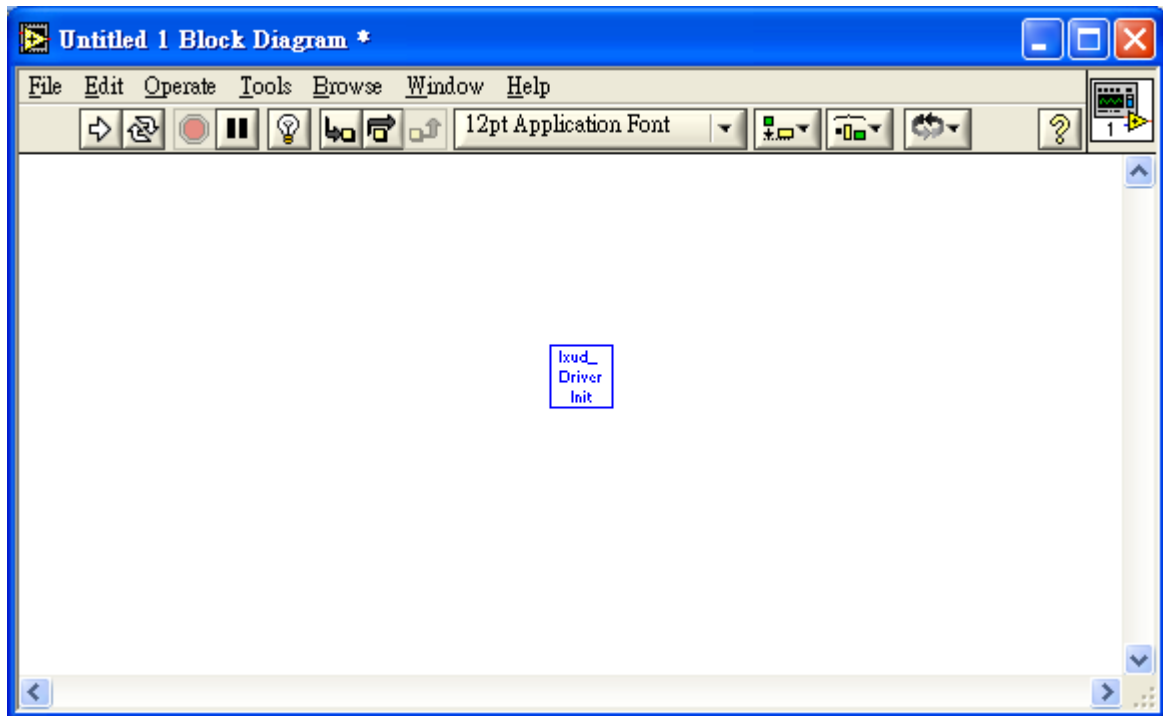
2. Select a **UniDAQ.llb** file which is in demo folder in the “Select the VI to Open” dialog box.



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.

