I/O CARD QUICK START GUIDE for ISO-730

Language English
Version V1.2
Update Jan.2009

1 What's on your package?

- One ISO-730 series card
- One companion ISA CD (V2.1 or later)
- One Quick Start Guide(This document)

2 Installing Windows Driver

Follow those steps:

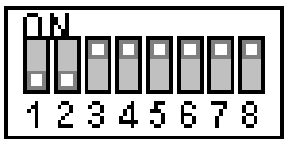
1. Setup the Windows driver. You can get the driver from:
   CD:\NAPDOS\ISA\ISO\DLL\
   http://ftp.icpdas.com/pub/cd/iocard/isa/napdos/isa/iso/dll/
2. Click **"Next >"** button to start installation.
3. Click **"Next >"** button to install driver into the default folder.
4. Click **"Install"** button to continue installation.
5. Select **"NO, I will restart my computer later"** and Click **"Finish"**.

Windows driver only support windows 98/NT/2000 and XP/2003/vista 32-bit versions.

3 I/O Base Address & Interrupt Setting

➢ The base address is set from SW1 DIP switch on board:

SW1



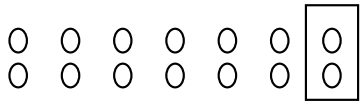
A ($\overline{9}$ $\overline{8}$ 7 6 5 4 $\overline{3}$ $\overline{2}$)

SW1: Base Address **(*)**Default setting

Address	A9	A8	A7	A6	A5	A4	A3	A2
200h	OFF	ON	ON	ON	ON	ON	ON	ON
204h	OFF	ON	ON	ON	ON	ON	ON	OFF
208h	OFF	ON	ON	ON	ON	ON	OFF	ON
20Ch	OFF	ON	ON	ON	ON	ON	OFF	OFF
:	:	:	:	:	:	:	:	:
2F8h	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON
2FCh	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
(*)300h	OFF	OFF	ON	ON	ON	ON	ON	ON
304h	OFF	OFF	ON	ON	ON	ON	ON	OFF
308h	OFF	OFF	ON	ON	ON	ON	OFF	ON
30Ch	OFF	OFF	ON	ON	ON	ON	OFF	OFF
310h	OFF	OFF	ON	ON	ON	OFF	ON	ON
314h	OFF	OFF	ON	ON	ON	OFF	ON	OFF
:	:	:	:	:	:	:	:	:
330h	OFF	OFF	ON	ON	OFF	OFF	ON	ON
334h	OFF	OFF	ON	ON	OFF	OFF	ON	OFF
338h	OFF	OFF	ON	ON	OFF	OFF	OFF	ON
33Ch	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF
:	:	:	:	:	:	:	:	:

➢ The Interrupt Level Setting

JP1



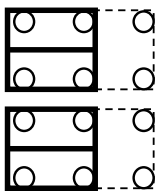
2 3 4 5 6 7 X

Default Setting

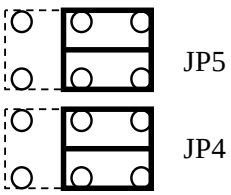
(X: Disable the interrupt)

➢ JP4/JP5 Version selection.

A1



B2



(Default)

4 Installing Hardware on PC

Follow those steps:

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

After powering-on the computer, continue next process.

5 Adding Hardware

Adding hardware is used on Windows 2000/XP/2003/Vista 32 only. Windows 9X/Me/NT users can skip it.

7. Add Hardware

7-1 Open the **"Control Panel"** by click the item **"Start / Settings / Control Panel".**

7-2 Double-click the item **"Add/Remove Hardware"** and Click the **"Next >"** button**.**

7-3 Select the item **"Add/Troubleshoot a device"** and click the **"Next >"** button.

7-4 Select the item **"Add a new device"** and click the **"Next >"** button.

7-5 Select the item **“No, I want to select the hardware from a list”** and click the **“Next >”** button.

7-6 Select the item **“Other device”** and click the **“Next >”** button.

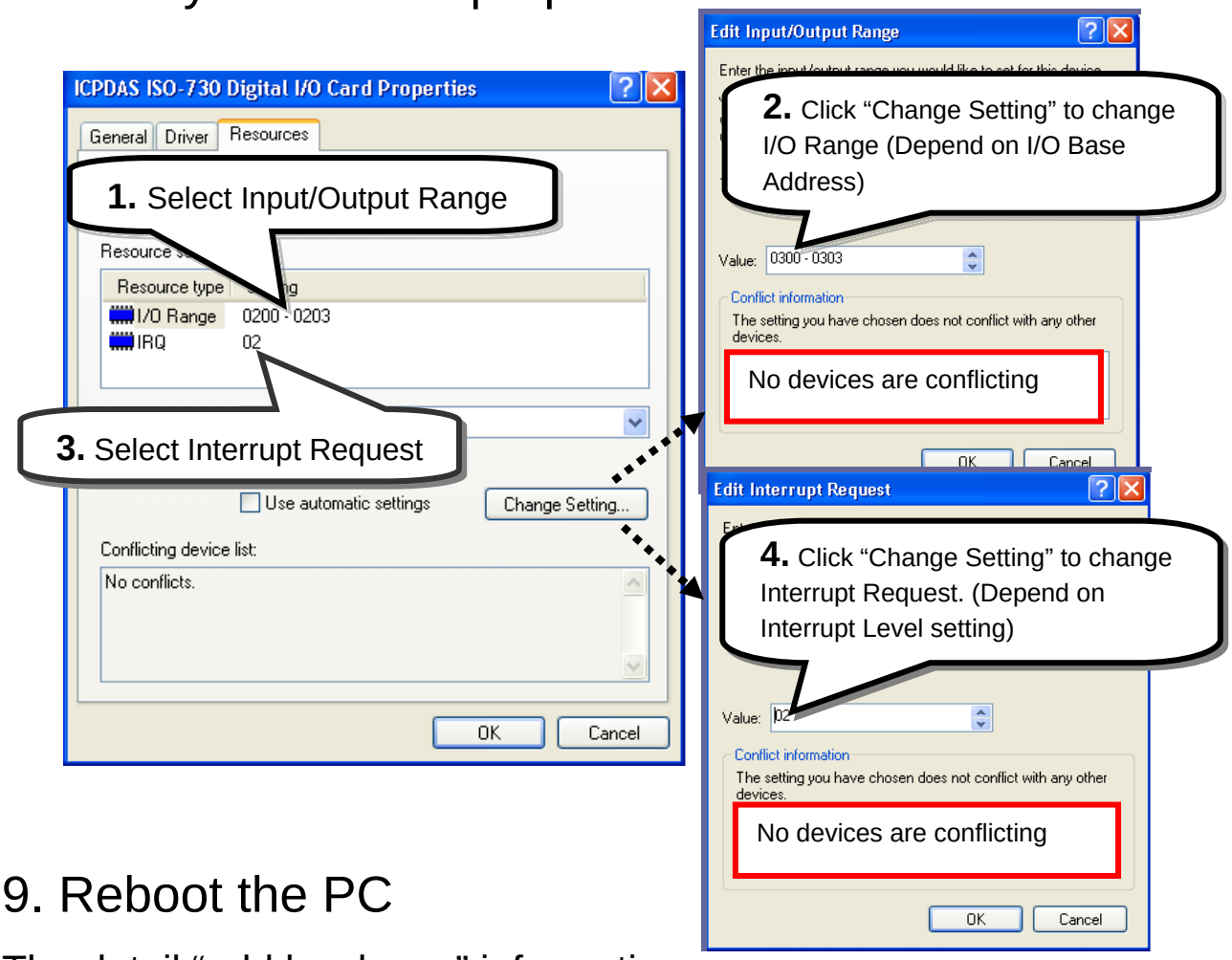
7-7 Click the **“Have Disk…”** button.

7-8 Click the **“Browse…”** button to select the **Inf** file default path is C:\DAQPRO\DIO_Win2K\Inf and click the **“OK”** button.

7-9 Select the correct device from the **“Models:”** listbox and Click the **“Next >”** button.

7-10 The windows show to dialog box and Click the **“OK”** button to enter the device’s properties settings.

8. Modify the device properties

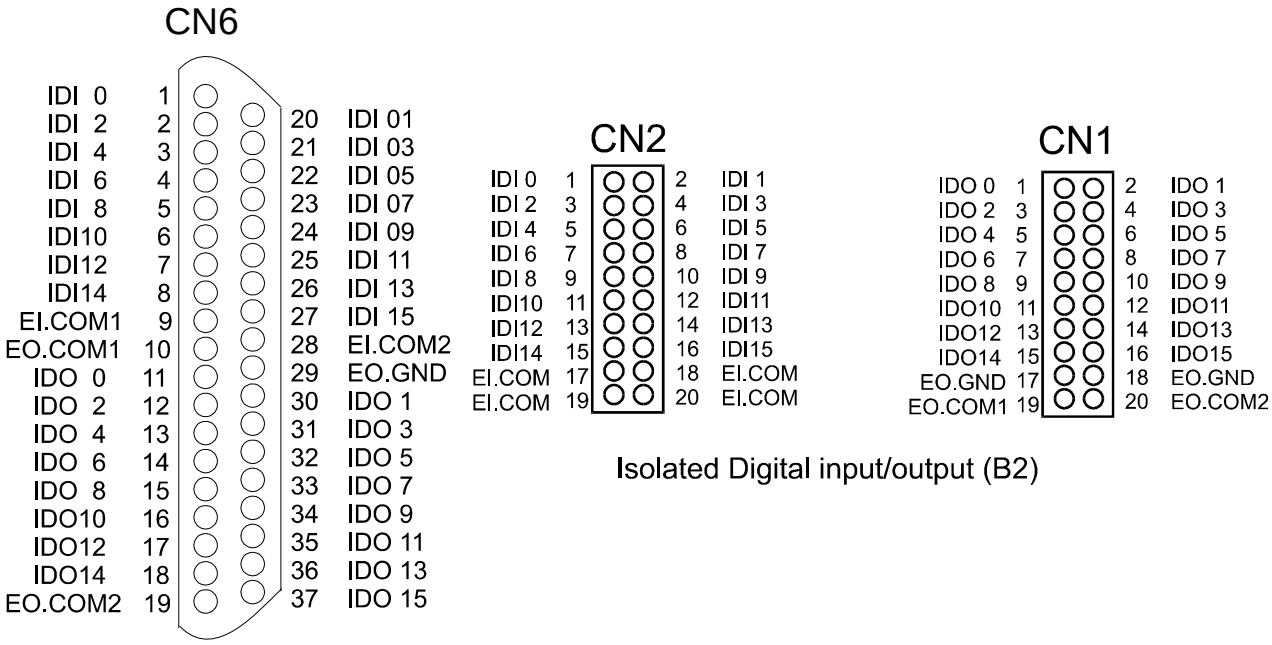


9. Reboot the PC

The detail “add hardware” information. **Please refer to CD:\NAPDOS\ISA\Manual\PCI_ISA_PnP_Driver_Installation_in_Win9x_2K_XP.pdf**

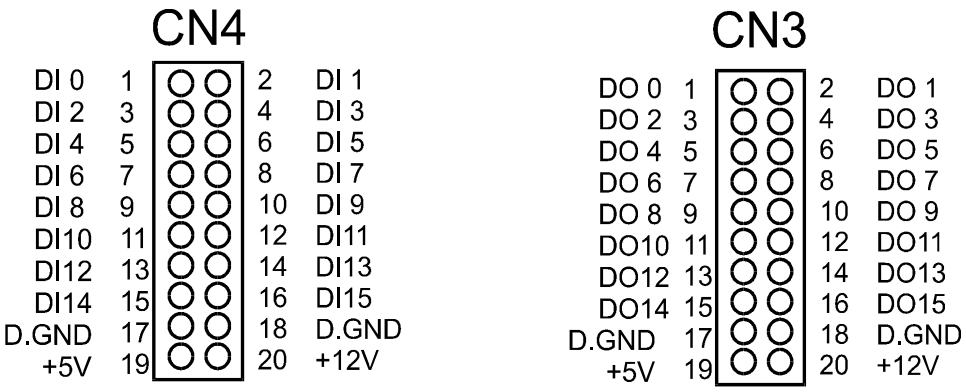
6 Pin Assignments

➢ Pin-Assignment of B2 Version.



Isolated Digital input/output (B2)

➢ TTL I/O Pin-Assignment.



Digital input/output connector

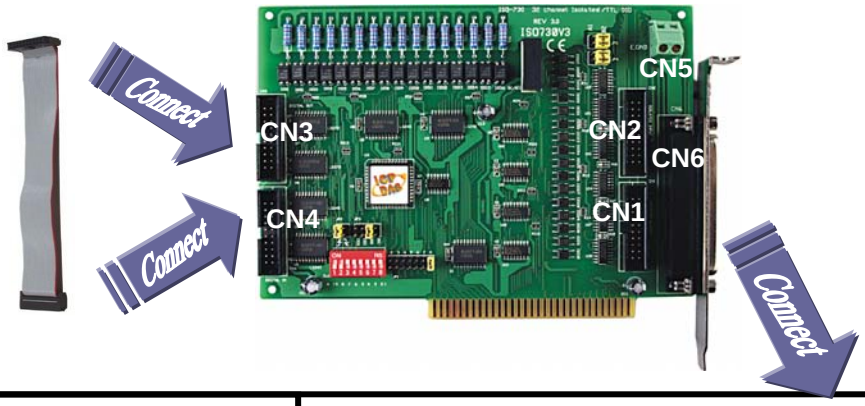
The detail pin assignments information. Please refer to :

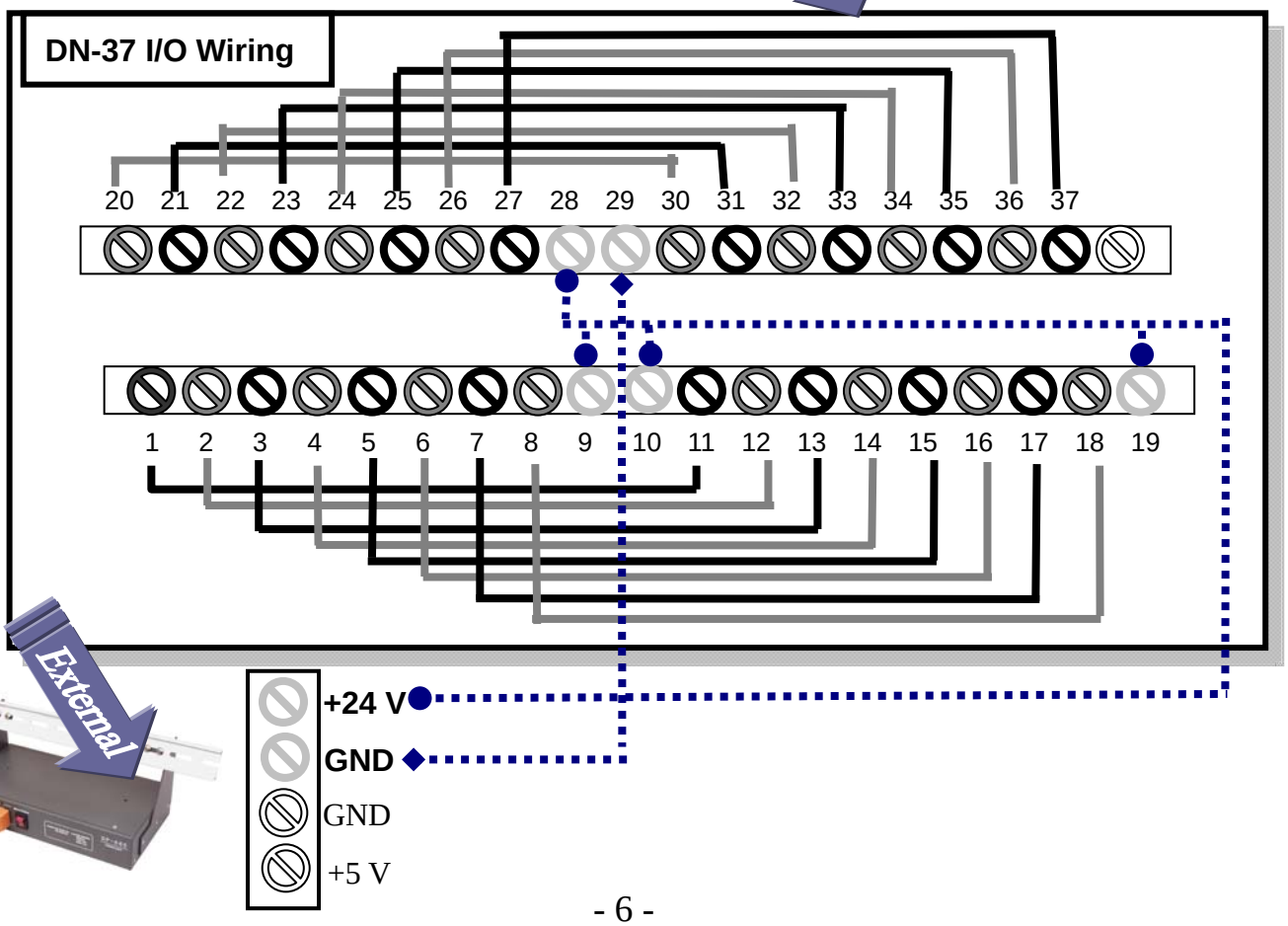
CD:\NAPDOS\ISA\ISO\Manual\iso-730.pdf

http://ftp.icpdas.com/pub/cd/iocard/isa/napdos/isa/iso/manual/iso-730.pdf

7 Self-Test

1. Use CA-2002(Optional) to connect the CN3 with CN4.
2. Use DN-37 to Connect the IDI[0-15] with IDO[0-15].
   (CN6.Pin1➔CN6.Pin11 ……. CN6.Pin27➔CN6.Pin37)
3. Supply the +24 V with EI.COM1, EI.COM2, EO.COM1 and EO.COM2.(Connect the external +24 V with CN6.Pin9, CN6.Pin10, CN6.19 and CN6.Pin28. Connect the external GND with CN6.Pin29)

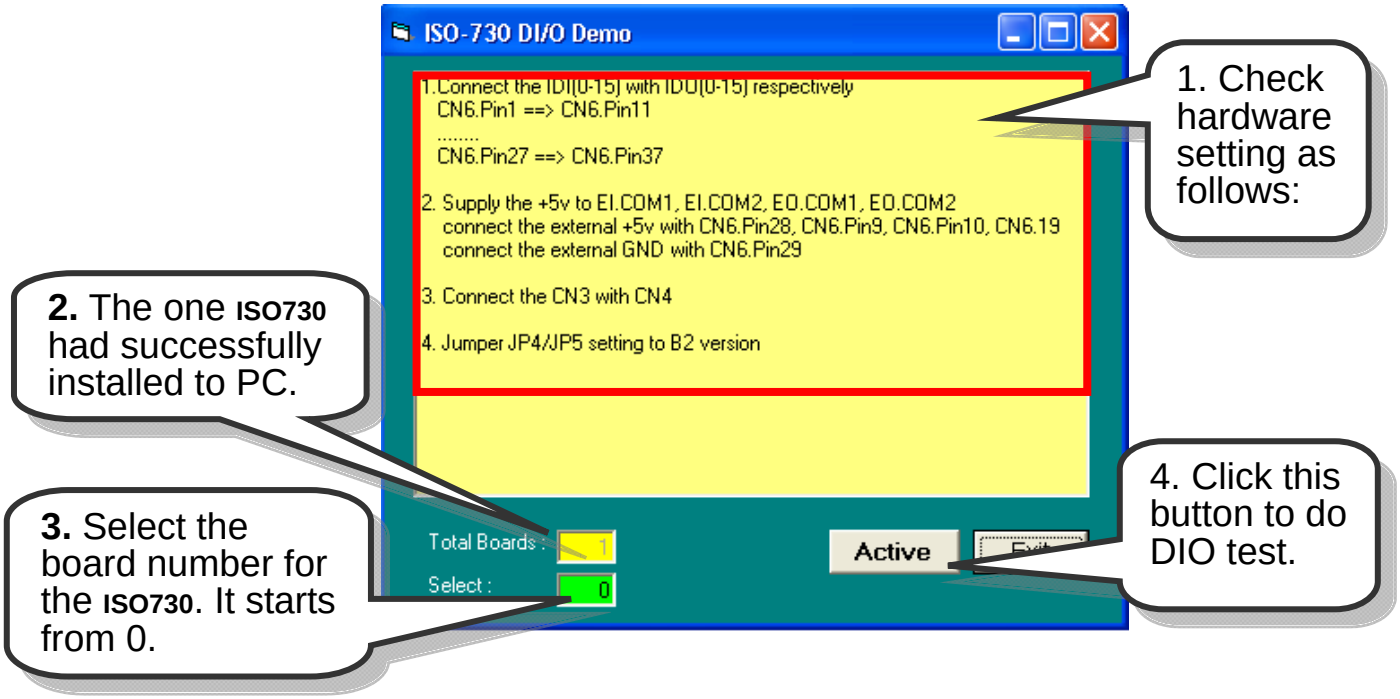




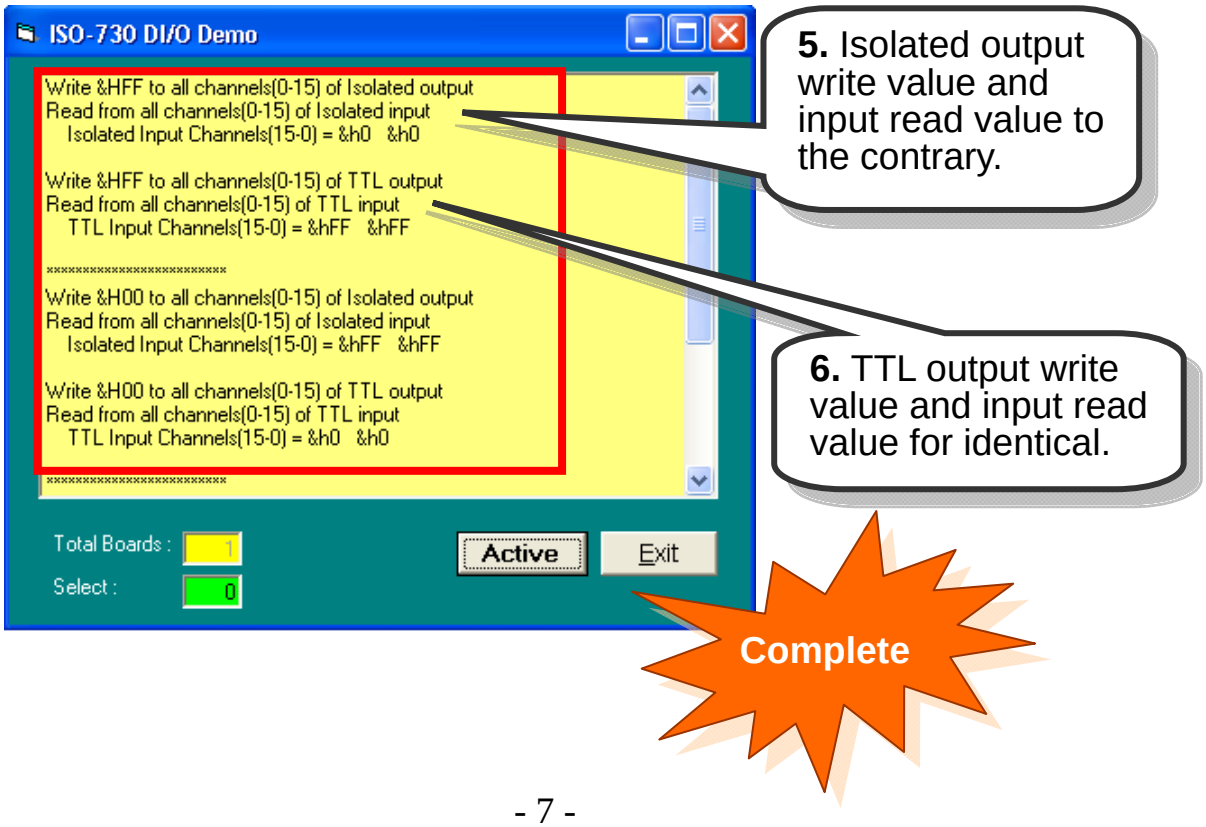
4. Run the ISO-730 sample program.

Get the file from: C:\DAQPro\ISO_WinXXX\Demo\

5. Check number of the ISO-730 and hardware setting.



6. Get DIO function test result.



8 Additional Information

✓ **ISO-730 Series Card Product page:**

http://www.icpdas.com/products/DAQ/pc_based/iso_730.htm

✓ **CA-2002(Optional) page:**

http://www.icpdas.com/products/Accessories/cable/cable_selection.htm

✓ **DP-665(Optional) page:**

http://www.icpdas.com/products/Accessories/power_supply/dp-665.htm

✓ **DN-37(Optional) page:**

http://www.icpdas.com/products/DAQ/screw_terminal/dn_37.htm

✓ **Documents:**

CD:\NAPDOS\ISA\ISO\manual
ftp://ftp.icpdas.com/pub/cd/iocard/isa/napdos/isa/iso/manual/

✓ **Software:**

CD:\NAPDOS\ISA\ISO
http://www.icpdas.com/download/isa/iso/index.htm

The ICP DAS Web Site

http://www.icpdas.com

- Technical support
- Supplies and ordering information
- Ways to enhance your device
- FAQ
- Application story

Contact Us

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