



I/O CARD QUICK START GUIDE

for **PISO-C64/A64**

<i>Language</i>	English
<i>Version</i>	V1.1
<i>Update</i>	Jan.2009

1 What's on your package?

- One PISO-C64/A64 series card
- One companion PCI CD (V3.5 or later)
- One Quick Start Guide(This document)

2 Installing Windows Driver

Follow those steps:

1. Setup the Windows driver.




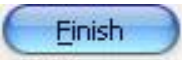
You can get the driver from:

CD:\NAPDOS\PC\PISO-DIO\DLL_OCX\Driver\

http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/piso-dio/dll_ocx/driver/



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

2. Click  button to start installation.
3. Click  button to install driver into the default folder.
4. Click  button to continue installation.
5. Select “**NO, I will restart my computer later**” and then click  button.

3

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Installing Hardware on PC

Follow those steps:

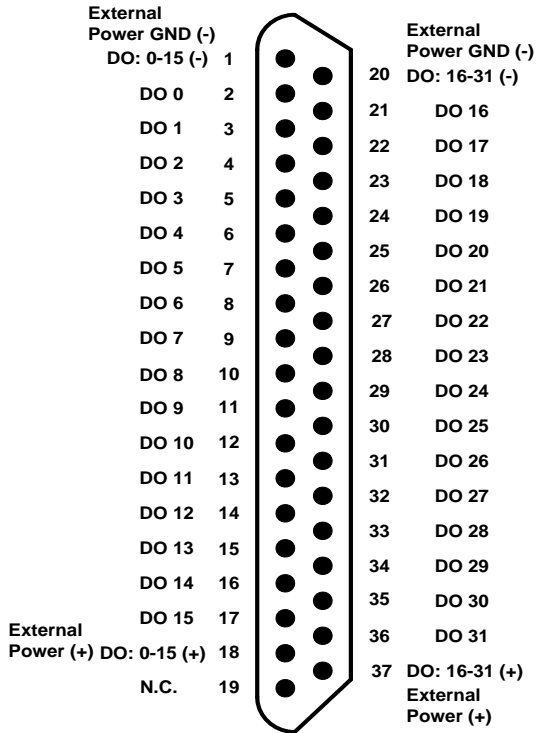
1. Shut down and power off your computer
2. Remove all covers from the computer
3. Select an empty PCI slot
4. Carefully insert your I/O card into the PCI slot
5. Replace the PC covers
6. Power on the computer

After powering-on the computer, the Plug&Play card could work immediately.

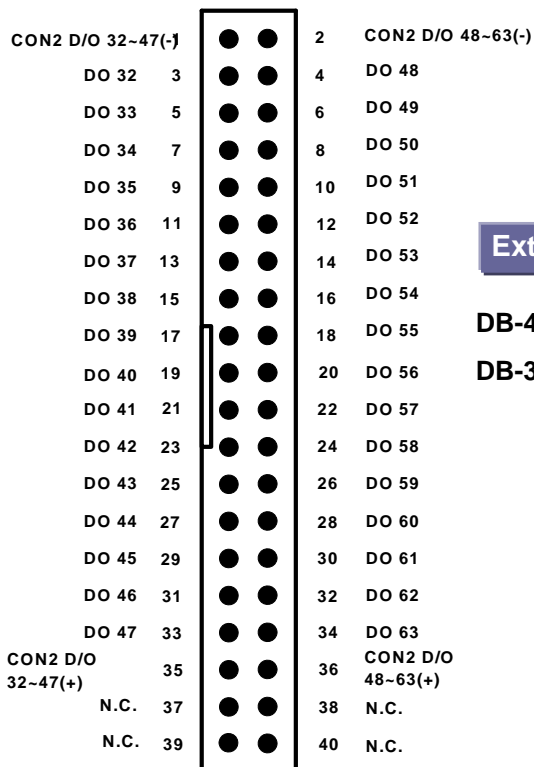
4

Pin Assignments

CON1 Pin assignment

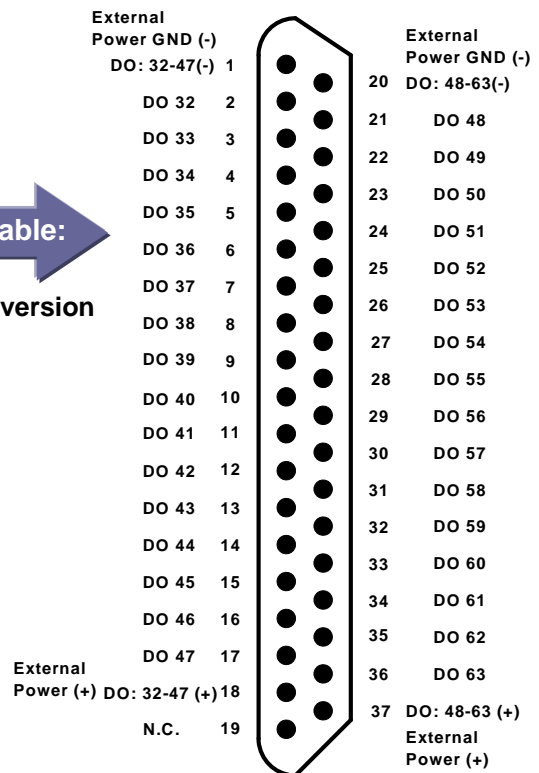


CON2 Pin assignment

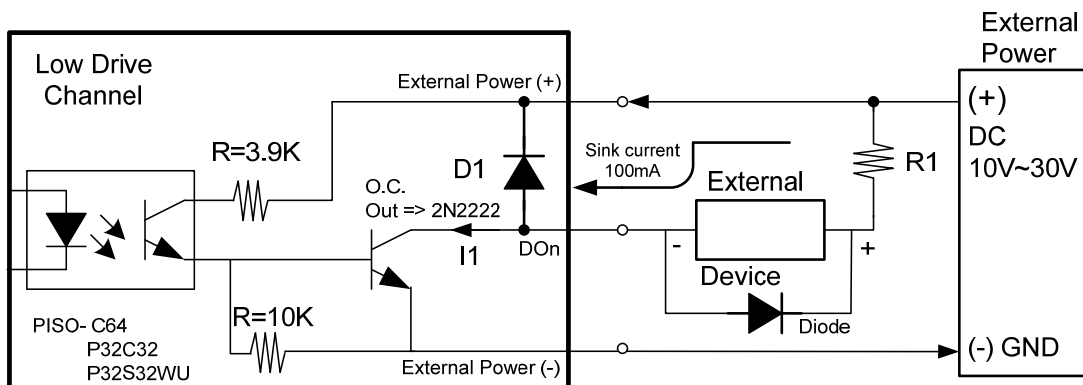
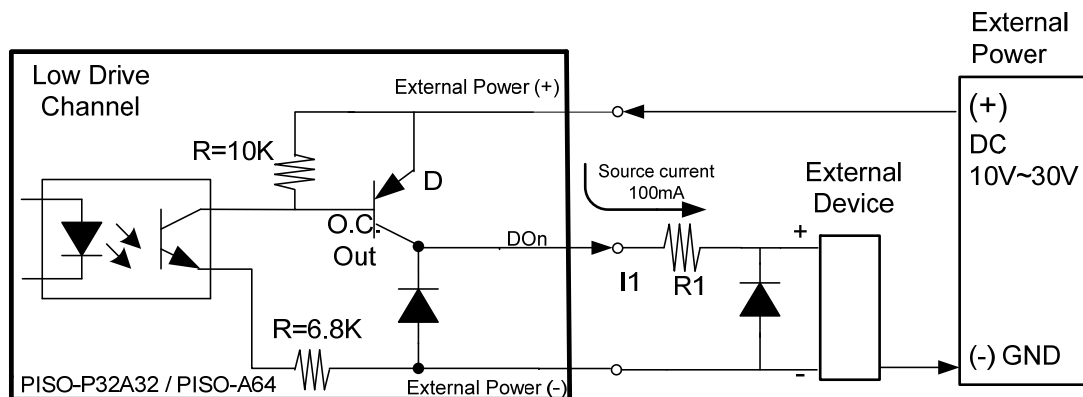


Extension cable:
DB-40-Pin conversion
DB-37-Pin

CON2 Pin assignment



➤ Wiring Note:



※Recommend: It is necessary to connect a diode in the output end as means of preventing damage from the counter emf. If your External Device is inductive Load, Ex. Relay...



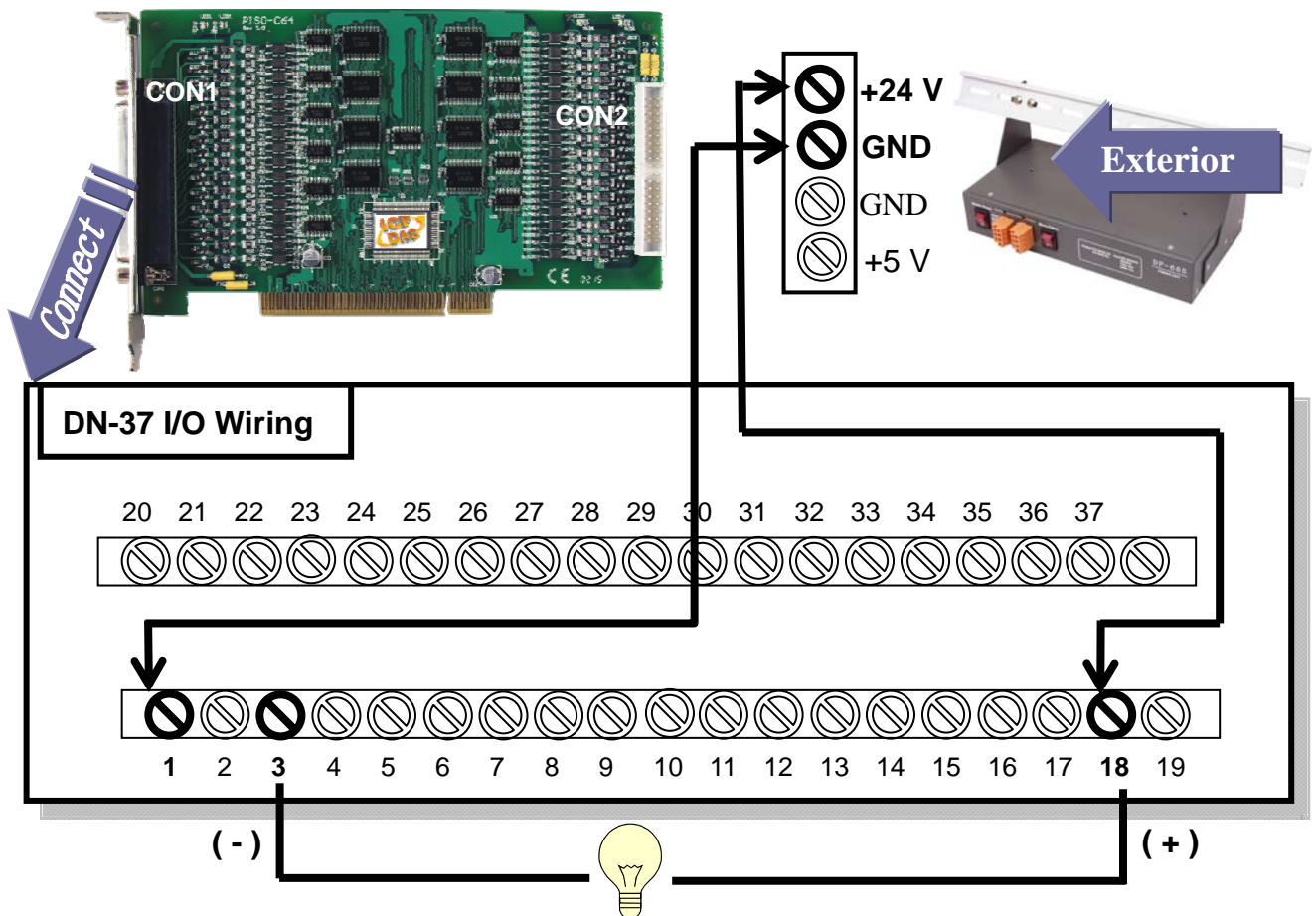
To prevent the board damaged forever by overload, the GND pins (CON1: pin 1/20, CON2: pin 1/ 20) all must be connected with GND of External Power.

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Self-Test

➤ PISO-C64 (Current Sinking)

1. Prepare for device:
 - DN-37(Optional) wiring terminal board.
 - Exterior power supply device. For example: DP-665(Optional)
2. Use DN-37 to connect the board CON1.
3. External +24 V connect to CON1.DO:0-15(+) and external GND connect to CON1.DO:0-15(-).
(External +24 V connect to Pin18, External GND connect to Pin1)
4. Use output LED to connect the CON1.DO1 and DO:0-15(+).
(Output LED to connect the Pin3 and Pin18)



➤ PISO-A64 (Current Sourcing)

1. Prepare for device:

➤ DN-37(Optional) wiring terminal board.

➤ Exterior power supply device. For example: DP-665(Optional)

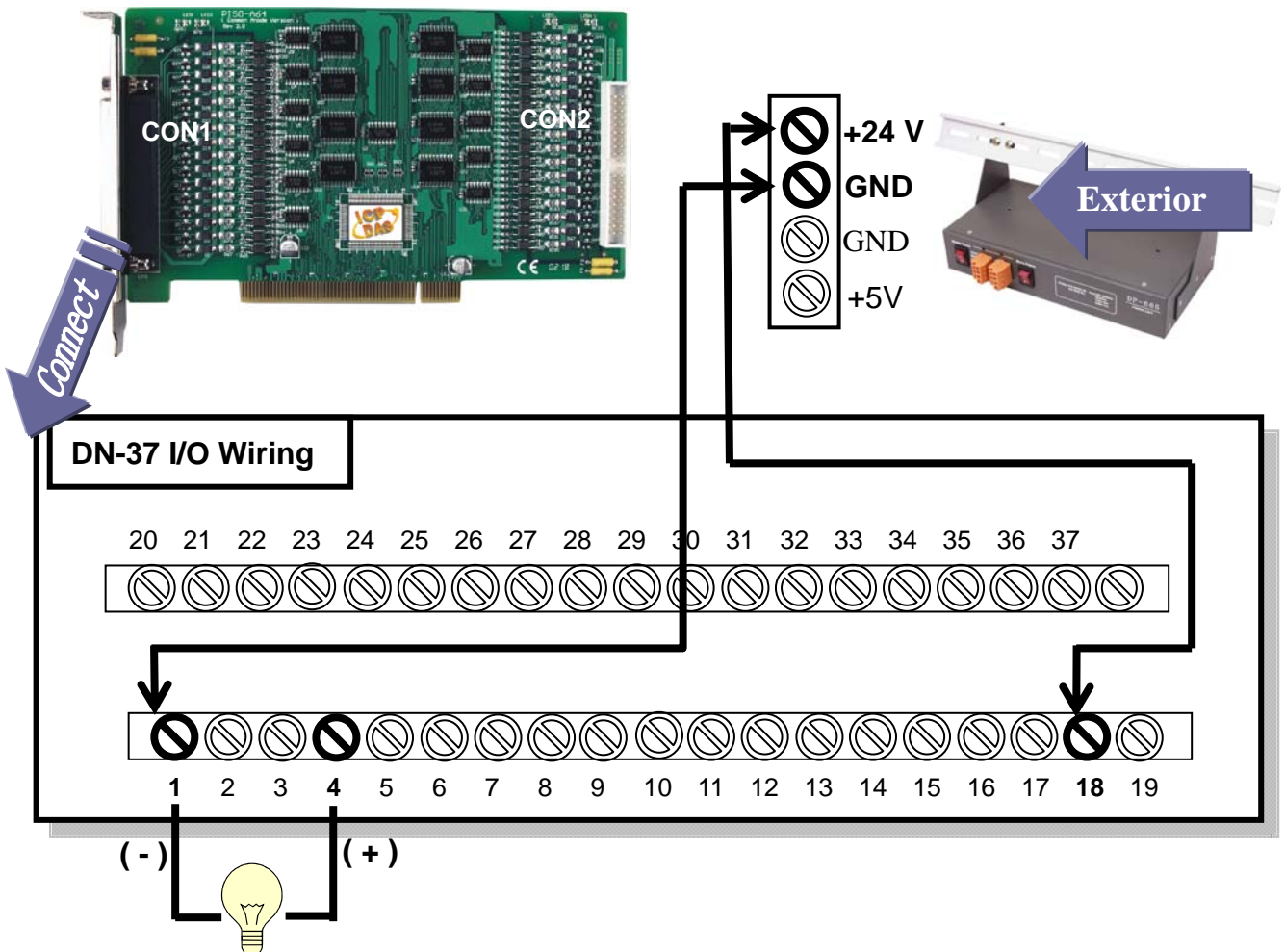
2. Use DN-37 to connect the board CON1.

3. External +24 V connect to CON1.DO:0-15(+) and external GND connect to CON1.DO:0-15(-).

(External +24 V connect to Pin18, External GND connect to Pin1)

4. Use output LED to connect the CON1.DO2 and DO:0-15(-).

(Output LED to connect the Pin4 and Pin1)



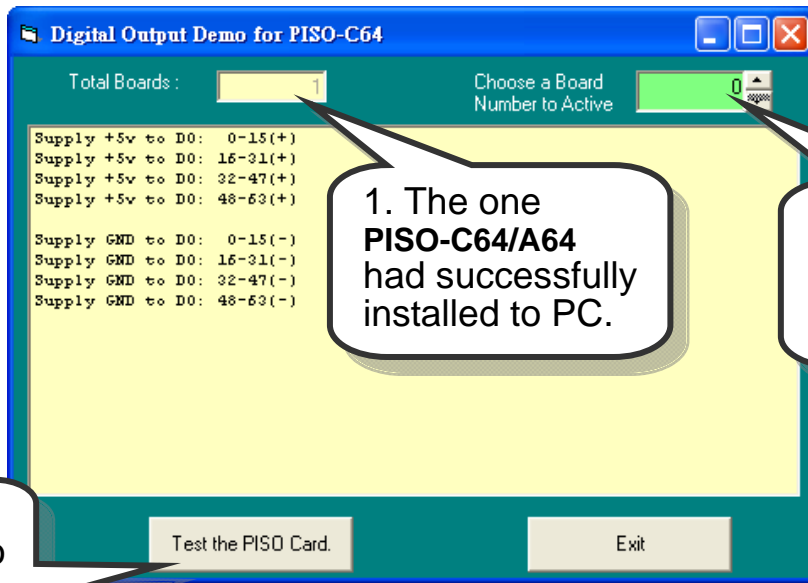
5. Run the PISO-C64/A64 sample program.

Get the file from:

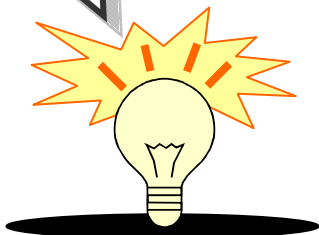
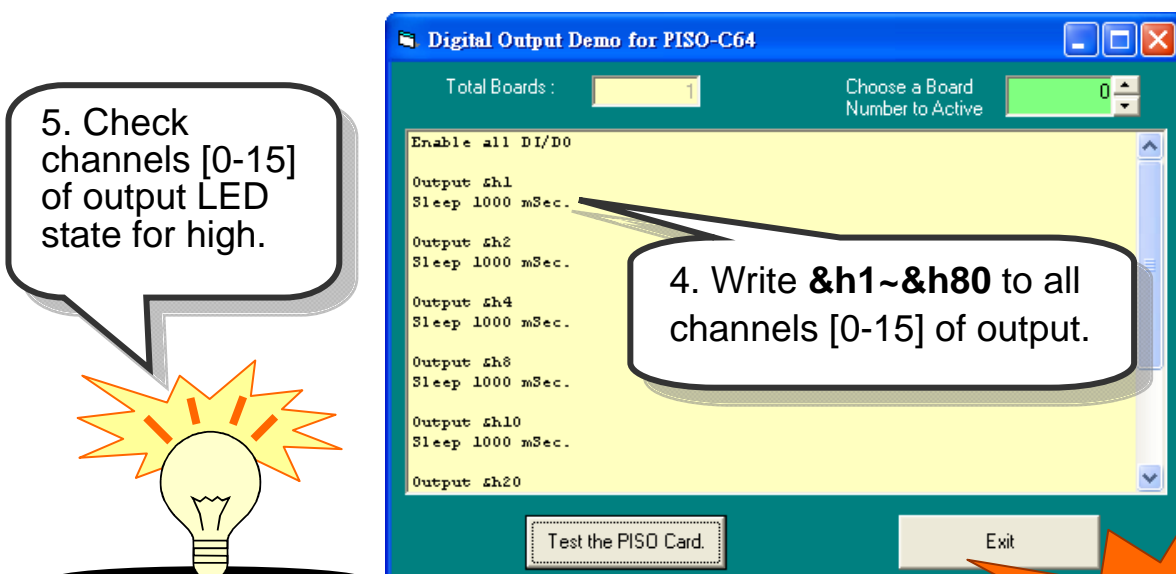
CD:\NAPDOS\PCI\PISO-DIO\DLL_OCX\Demo\

http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/piso-dio/dll_ocx/demo/

6. Check number of the PISO-C64/A64 and test DO [0-15] function.



7. Get DO[0-15] function test result.



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Additional Information

✓ **PISO-C64/A64 Series Card Product page:**

http://www.icpdas.com/products/DAQ/pc_based/piso_c64.htm

http://www.icpdas.com/products/DAQ/pc_based/piso_a64.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\PCI\PISO-DIO\Manual

<http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/piso-dio/manual/>

✓ **Software:**

CD:\NAPDOS\PCI\PISO-DIO

<http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/piso-dio/>

The ICP DAS Web Site

<http://www.icpdas.com>



Contact Us

Service@icpdas.com

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

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