



# **Xitron Universal PCI Card Installation Guide**

**for Windows 2000 and XP**

p/n 101-0007-010

October 2003

# Copyright

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# Chapter 1

## Getting Started

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This installation guide covers installing the Xitron 3.3 volt PCI card on the Windows 2000™ and Windows XP™ operating system. It is not designed to be used by a computer novice. Ideally, you should be familiar with computers, their components, and with the operating system you are using.

### **What's in your Universal PCI Card Kit**

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Xitron Universal card kits include a PCI card, Xitron Universal PCI Card Setup CD and Instructions and they may additionally include a specific interface cable for an imagesetter or platesetter. These same components may also be included with a Xitron Navigator, RasterBlaster or Xenith RIP kit.

### **System Requirements**

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#### **Hardware**

The Xitron Universal PCI card will run on most PCs with a PCI bus motherboard with either 5 volt or 3.3 volt slots. The 3.3 volt is commonly referred to as PCI-X by many PC manufacturers.

The PC will also need the following:

- CD ROM drive
- Keyboard and Microsoft-compatible mouse



# Chapter 2

## Hardware Installation

If you are outputting to a high resolutions device such as a film or plate setter the next step in the RIP installation procedure is to install the Xitron PC Interface card. This describes the general process, for specific instructions relating to your output device make sure you also read the specific Plugin Manual found in the \Doco folder of your Xitron RIP Installation CD.

**Warning:** Before touching anything inside the computer or any components, be sure to discharge your body's static electricity by touching a grounded surface.

### Opening the Computer

1. Turn off the computer and unplug it from the wall outlet.
2. Remove the computer cover or side panel. Refer to the computer manual for instructions if you need them.
3. If the unit is a tower unit, turn it over on its side to make access easier.
4. Ground yourself to the PC case. Attach a grounding wrist strap (if available) to the computer's metal chassis and your wrist (Fig 2.1):

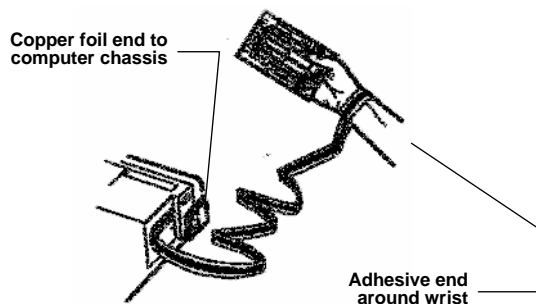


Fig. 2.1 Attaching the grounding wrist strap

**Caution:** *If you choose not to use the grounding wrist strap, be sure to take adequate precautions to discharge static electricity from your body before touching any components.*

## Installing the cards in the PC

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The following instructions are for a single PCI card. Some previous versions of our hardware required both a PCI card and an ISA personality card. Since current computers do not have ISA slots, if you are upgrading from a previous Navigator with Dual card, and are also upgrading to a newer computer, you will almost certainly find that your new PC does not have ISA slots so a new Single Board PCI card will also be required.

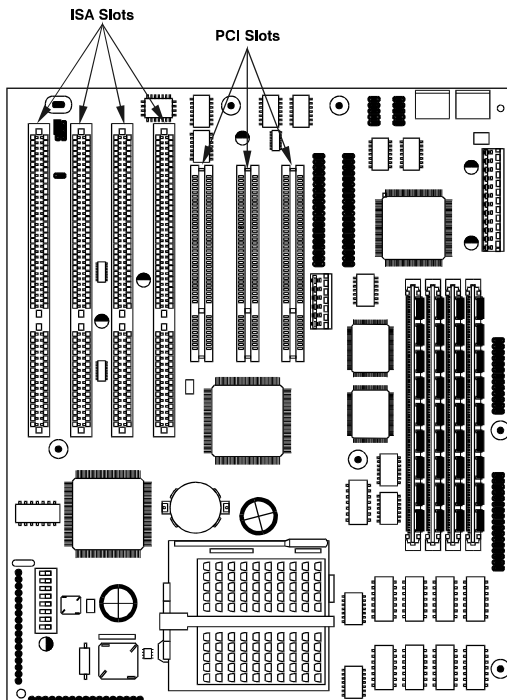


Fig. 2.2 Location of expansion slots  
on a typical motherboard



- Select an appropriate expansion slot (see Fig 2.2) for your PCI interface card.

1. Unscrew and remove the expansion slot cover (see Fig 2.3).

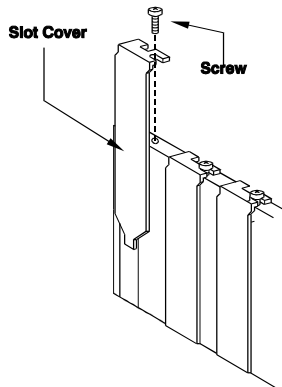


Fig. 2.3 Removing the expansion slot cover.

2. Holding the card by its edges and the mounting bracket, position the card with the contacts downward over the slot (see Fig 2.4) and insert the card into the slot. Do not let it touch any of the components on the motherboard.

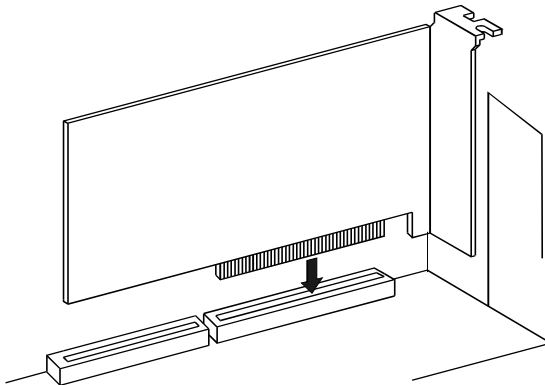


Fig. 2.4 Inserting the card

3. Push the card down into the slot as far as it will go. Make sure it is completely inserted and seated firmly. Be careful not to put pressure on the card's components.
4. Secure the card to the rear panel with the screw from step 2 (see Fig 2.5).

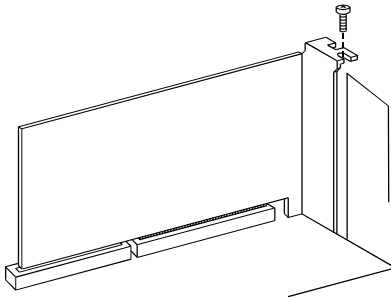


Fig. 2.5 Attaching the card to the computer

**Note:** *If the card is crooked in the slot after securing with the screw in expansion slot, you may have to adjust the metal bracket on the end of the card. If adjustment is necessary be especially careful not to damage the card or any of its*

## Connecting the cables

Next you must connect your output device cables to your personality card (see Fig 2.6):

**Note:** Some output devices do not require the serial cable. Check your device plugin manual for instructions for your device.

1. Plug the image setter cable connector into the image setter cable port on the card.
2. If your device uses the serial cable, plug the 9-pin serial connector into the serial port on the card.

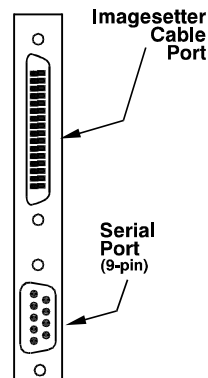


Fig. 2.6 Connecting the cable to the card

For information on how to connect these cables to your output device, refer to your device plugin manual. You do not need to connect to the output device at this point but you may do so if you wish. See the relevant Plugin Manual in the **\\Doco** folder of your installation CD for more details regarding your device and the necessary connections.

## Finishing Up

This completes the hardware installation of your PCI interface card. When your computer first boots after this procedure you will see a message from Windows advising you it has found new hardware that will look something like Fig 2.7.



Figure 2.7 – Found New Hardware

The procedure from here is slightly different for the different versions of Windows, please follow the steps relevant to your Operating System.

## Windows XP

- Select “**Install from a list or specific location (Advanced)**” and click **Next** (Fig 2.8).

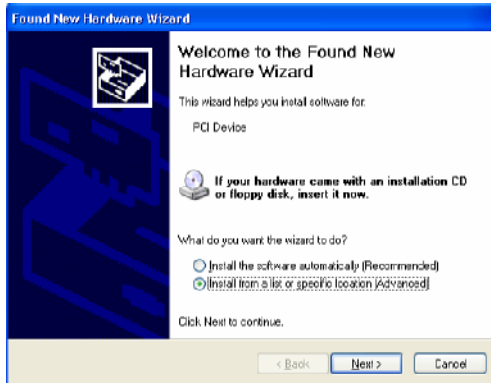


Figure 2.8 – Search Method

- Select the top bullet “**Search for the best driver ....**”
- Check only the box “**Include this location in the search:**”
- Enter the drive letter of your CD-ROM drive and the path name **\Inf**, in this example **E:\Inf**, make sure your Xitron Universal PCI Setup CD is in the drive and click **Next**. (Fig 2.9)

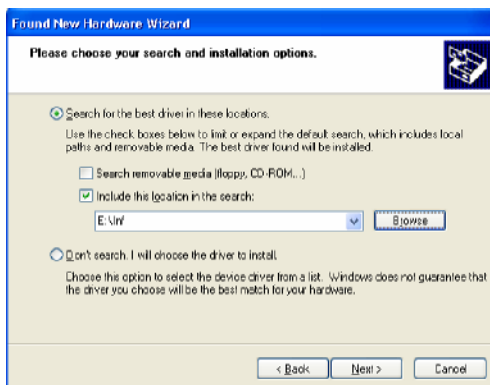


Figure 2.9 – Specify Location

- Follow any further on-screen prompts to confirm the type of Xitron Universal PCI Card Installation

card you have installed, you will see the dialog box in Fig 2.10 when your new hardware has successfully been added to Windows XP. Click **Finish** and reboot your computer as prompted.

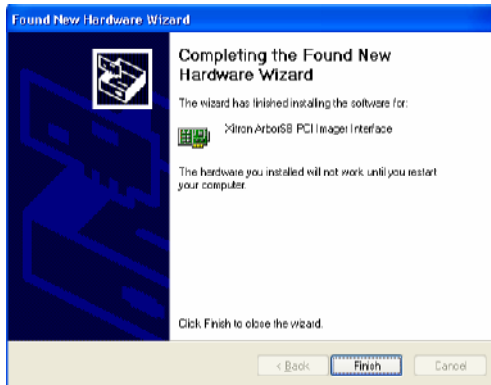


Figure 2.10 – Completing Installation

## **Windows 2000**

- Click **Next** on the first screen displayed by the Found New Hardware Wizard.
- Select the “**Search for suitable driver ...**” bullet and Click **Next** (Fig 2.11)

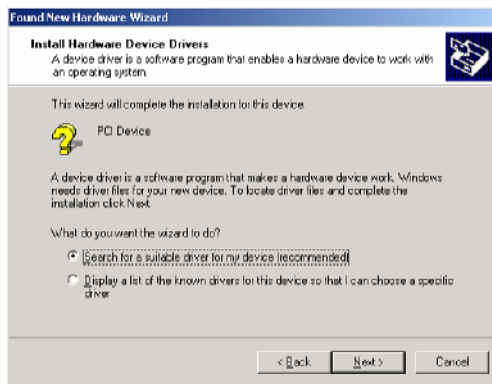


Figure 2.11 Search Method

- Check only the box “**Specify a location**” and click **Next** (Fig 2.12)

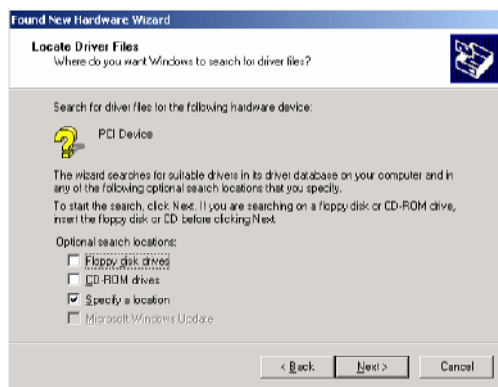


Figure 2.12 Select Location

- Enter the drive letter of your CD-ROM drive and the path name \Inf, in this example **E:\Inf** and click **Next** (Fig 2.13)

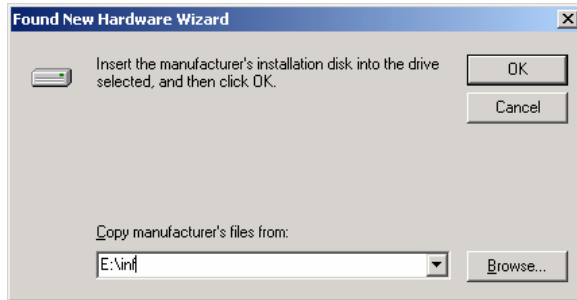


Figure 2.13 Select Location

- Make sure your Xitron 3.3 volt PCI Setup CD is in the drive and Click **OK**.
- When complete you should see the dialog box in Fig 2.14. Click **Finish** and reboot your computer as prompted.

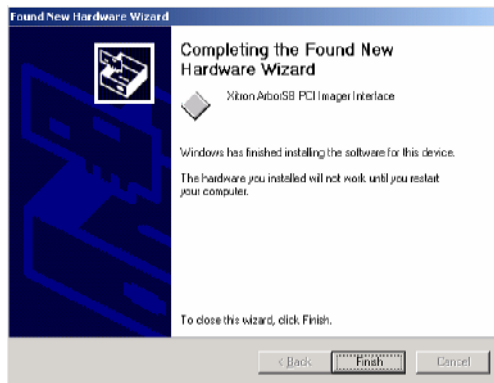


Figure 2.14 – Completing Installation

*You must test the card using the PB2Diag program before attempting to output, please see details in the Chapter, **Installing The RIP Software** found on in the **RIP Installation Guide** for details*



**Note:** Switch off your computer before adding or removing a Parallel Port security key. Failure to follow these instructions may result in permanent failure of the security dongle!

## Installing the Security Device

The Navigator RIP security device (dongle) must be installed for the RIP software to run. Xitron supply two types of dongle, one suitable for connection via a USB port, and the other via a Parallel port.



Parallel Port



USB Port

Attach the security device to the applicable port, with parallel port types this should be done with the computer switched OFF. Consult your computer manual if you are not sure which port to use.

**Note:** If using a Parallel Port Dongle, do not plug any devices to the computer through the dongle. If you need to attach a parallel device to the computer, purchase an additional parallel port card.