DSL300P

ADSL Modem Card

Easy Start

Read Me First

Version 0.71

Product warranty does not apply to damage caused by lightning, power surges or wrong voltage usage.

About this Easy Start

This booklet contains information on setting up the ADSL modem card *DSL300P.* It touches on the key installation procedures to help you setup your modem in a breeze!

Installation Notes

- The graphics and screens illustrations shown in this easy start may differ from what you see from your system, but the steps still apply.

- A Philips Screwdriver is required for the card installation.

- The documentation for your computer should come in handy during the card installation. Have it ready by your side.

- It is recommended that any existing modem card be removed before installing your new modem card.

Safety Precaution

- Do not remove your card from its protective bag until you are ready to install it.

- Always try to hold your card by its edges. Avoid touching any electronic components on your card.

- Static electricity can cause permanent damage to your card. To prevent such a damage, you must ground yourself while installing the card:

  » Use a grounding strap, which is a coiled wire with a clip at one end and an elastic strap at the other. Wear the strap around your wrist and attach the clip to any non-painted metal surface of the computer's chassis. OR

  » If you do not have a grounding strap, touch any non-painted surface of the computer's chassis before you begin installation, and again every minute or so until the installation is completed.

- This product is for use only in UL Listed computers

- To reduce the risk of fire, use only No. 26 AWG or larger telecommunication line cord

Installing the Modem Card

Before you begin the following installation, ensure that you have powered off your computer and switched off the power! Disconnect any other devices connected to your computer, such as a telephone line connected to an existing modem.

1. After removing the cover of your computer, locate any available PCI-Bus slot and remove its cover plate. Save all the screws removed.

2. Insert the modem card firmly into the PCI-Bus slot.

3. Secure the modem card with the mounting screw.

4. Replace the cover of your computer and secure all the screws back in place.

5. Connect the power supply cord and power on your computer.

Cover Plate

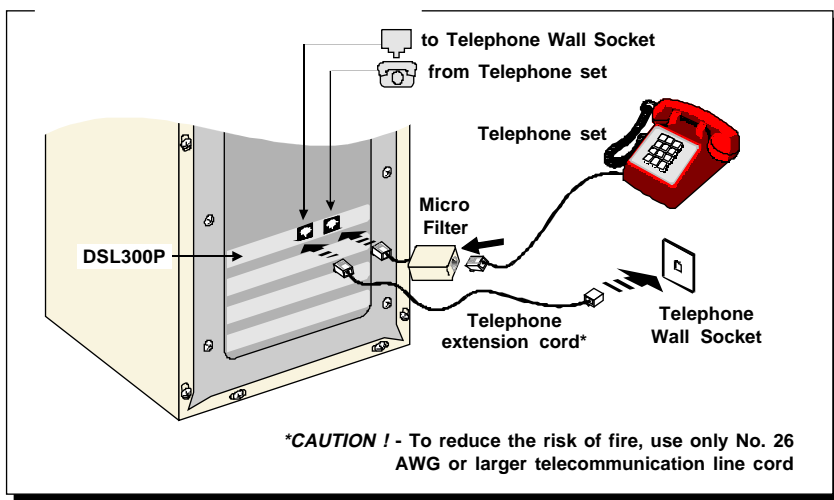PCI-bus Slot

❷

❶

Modem Card

Mounting Screw
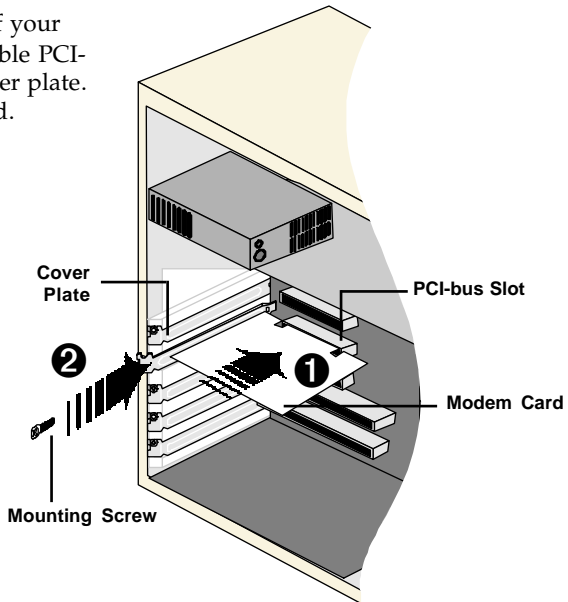
Connecting the Modem Card

*The connection for the **Telephone Set** is **optional**. The **Phone Jack** provides convenience to users who share the same telephone point for the modem and the telephone set.*

*With this connection, a **Micro Filter** is needed between the **Phone Jack** and the **Telephone Set**.*

to Telephone Wall Socket

from Telephone set

Telephone set

Micro Filter

DSL300P

Telephone extension cord*

Telephone Wall Socket

*CAUTION ! - To reduce the risk of fire, use only No. 26 AWG or larger telecommunication line cord

Installing the Modem Drivers

*Have the **Windows Installation CD** ready during installation, as it may be required.*

*There are 3 sets of drivers provided in the Installation CD. If you are using the **RFC1483** or **RFC 1577 protocol**, the drivers can be found in the **LAN** directory in the respective OS. If you are using the **RFC2364 protocol**, the drivers can be found in the **WAN** directory in the respective OS. **The following screen shots shows the RFC2364 protocol being used.***

Windows® Me

1. Power on your computer to start Windows. It will detect the newly-installed modem card and prompt for its drivers.
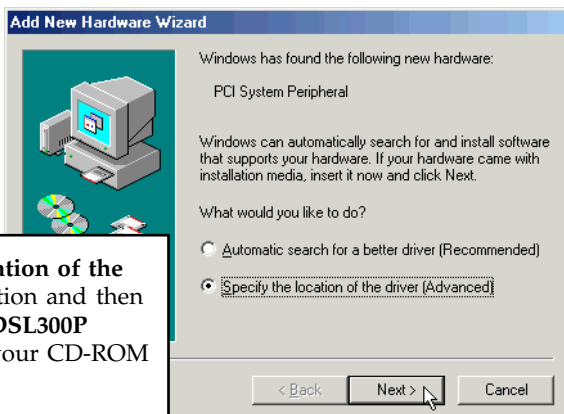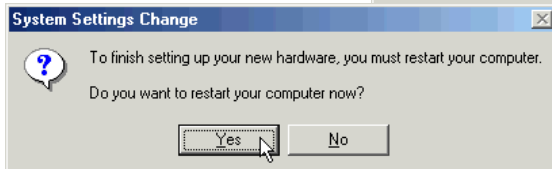
> Select **Specify the location of the driver (Advanced)** option and then click **Next**. Place the **DSL300P Installation CD** into your CD-ROM drive.
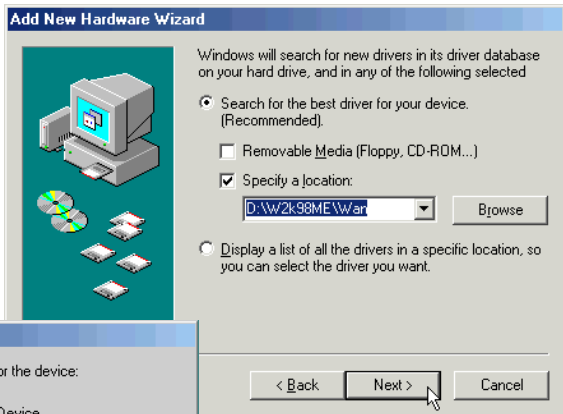

Add New Hardware Wizard

Windows has found the following new hardware:

PCI System Peripheral

Windows can automatically search for and install software that supports your hardware. If your hardware came with installation media, insert it now and click Next.

What would you like to do?

○ Automatic search for a better driver (Recommended)

● Specify the location of the driver (Advanced)

< Back   Next >   Cancel

2. Click **Specify a location**. For **RFC1483 or 1577 users,** browse to the **W2k98Me\Lan** folder on your CD-ROM drive. For **RFC2364 users**, browse to the **W2k98Me\Wan** folder on your CD-ROM drive. Click **Next**.
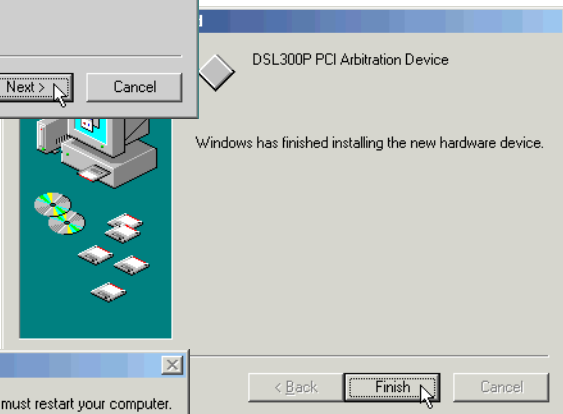
Add New Hardware Wizard

Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected

- ⦿ Search for the best driver for your device. (Recommended).
  - ☐ Removable Media (Floppy, CD-ROM...)
  - ☑ Specify a location:
    - D:\W2k98ME\Wan [Browse]
- ○ Display a list of all the drivers in a specific location, so you can select the driver you want.

[< Back] [Next >] [Cancel]

Add New Hardware Wizard

Windows driver file search for the device:

DSL300P PCI Arbitration Device

Windows is now ready to install the best driver for this device. Click Back to select a different driver, or click Next to continue.

Location of driver:

D:\W2K98ME\WAN\CXT1610R.INF

[< Back] [Next >] [Cancel]

3. Windows will prompt that the driver is found. Click **Next**.

DSL300P PCI Arbitration Device

Windows has finished installing the new hardware device.

4. Click **Finish** when Windows has finished installing the driver.

[< Back] [Finish] [Cancel]

System Settings Change

To finish setting up your new hardware, you must restart your computer.

Do you want to restart your computer now?

[Yes] [No]

5. Click **Yes** if prompted to restart your system.

System Properties ? X

General | Device Manager | Hardware Profiles | Performance

⊙ View devices by type   ○ View devices by conne

- 🖥 Computer
  - 🖲 CDROM
  - 🖴 Disk drives
  - 🖥 Display adapters
  - 🖴 Floppy disk controllers
  - 🖴 Hard disk controllers
  - ⌨ Keyboard
  - 🖥 Monitors
  - 🖱 Mouse
  - 🖧 Network adapters
    - 🖧 Dial-Up Adapter
    - 🖧 DSL300P PCI ADSL Modem
  - 📠 Ports (COM & LPT)
  - 🔊 Sound, video and game controllers
  - 🖥 System devices
  - 🖧 Universal Serial Bus controllers

| Properties | Refresh | Remove |

OK   Cancel

6. After restarting, check that the drivers have been installed properly by right-clicking **My Computer** and selecting **Properties**. Click on the **Device Manager** tab.

7. If the drivers were not installed properly, a yellow exclamation mark will appear beside the installed device. In this case, uninstall the drivers before attempting another installation.

8. Proceed to set the Virtual Circuit Identification in order to establish an ADSL connection. Note that RFC1577 users need to refer to the **Configuring RFC1577** section to configure further.

Windows® 98/98 Second Edition (SE)

1. Power on your computer to start Windows. It will detect the newly-installed modem card and prompt for its drivers.

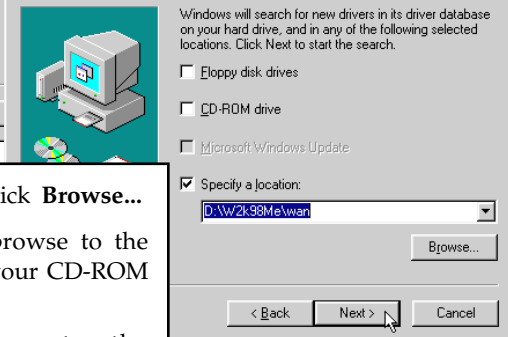Place the **DSL300P Installation CD** into your CD-ROM drive and click **Next**.

Add New Hardware Wizard

This wizard searches for new drivers for:

PCI System Peripheral

A device driver is a software program that makes a hardware device work.

| < Back | Next > | Cancel |
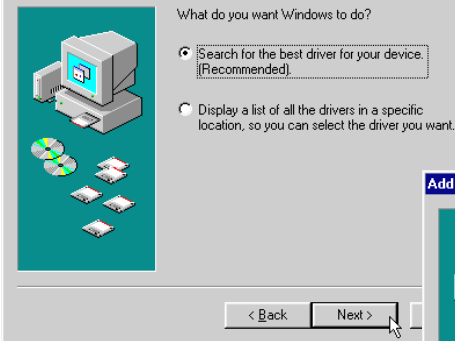
2. Click the option "**Search for the best driver for your device. (Recommended)**." and click **Next**.
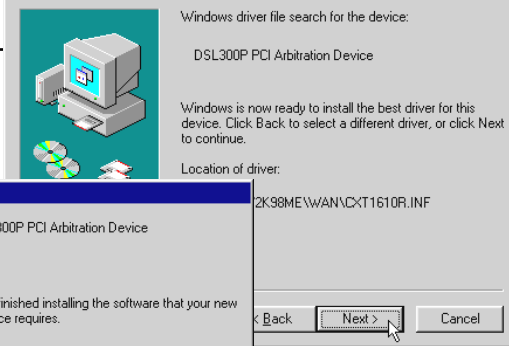
3. Select **Specify a location** and click **Browse...**

For **RFC1483 or 1577 users**, browse to the '**W2k98Me\Lan**' directory on your CD-ROM and click **OK**.
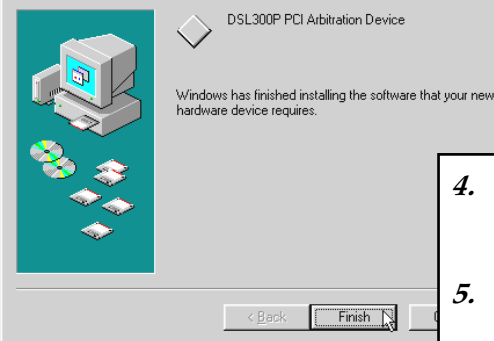
For **RFC2364 users**, browse to the '**W2k98Me\Wan**' directory on your CD-ROM and click **OK**.
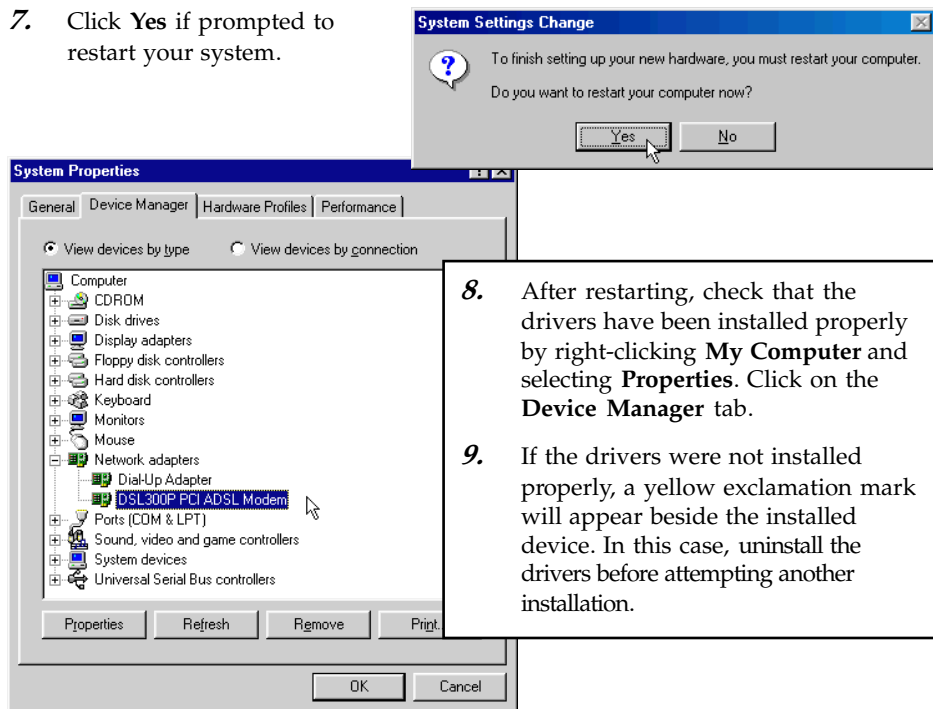
Click **Next**.

Add New Hardware Wizard

Windows driver file search for the device:

DSL300P PCI Arbitration Device

Windows is now ready to install the best driver for this device. Click Back to select a different driver, or click Next to continue.

Location of driver:

2K98ME\WAN\CXT1610R.INF

4. Click **Next** again to proceed with installation of the driver found.

5. Click **Finish** when Windows has finished installing the driver.

6. When prompted for the Windows CD, remove the Installation CD in your CD-ROM drive and replace with your Windows CD.

7. Click **Yes** if prompted to restart your system.

> **System Settings Change**
>
> ? To finish setting up your new hardware, you must restart your computer.
>
> Do you want to restart your computer now?
>
> [Yes]   [No]

> **System Properties**
>
> General | Device Manager | Hardware Profiles | Performance
>
> ⦿ View devices by type   ○ View devices by connection
>
> ▪ Computer
> ⊞ CDROM
> ⊞ Disk drives
> ⊞ Display adapters
> ⊞ Floppy disk controllers
> ⊞ Hard disk controllers
> ⊞ Keyboard
> ⊞ Monitors
> ⊞ Mouse
> ⊟ Network adapters
>   Dial-Up Adapter
>   DSL300P PCI ADSL Modem
> ⊞ Ports (COM & LPT)
> ⊞ Sound, video and game controllers
> ⊞ System devices
> ⊞ Universal Serial Bus controllers
>
> [Properties] [Refresh] [Remove] [Print]
>
> [OK]   [Cancel]

8. After restarting, check that the drivers have been installed properly by right-clicking **My Computer** and selecting **Properties**. Click on the **Device Manager** tab.

9. If the drivers were not installed properly, a yellow exclamation mark will appear beside the installed device. In this case, uninstall the drivers before attempting another installation.

10. Proceed to set the Virtual Circuit Identification in order to establish an ADSL connection. Note that RFC1577 users need to refer to the **Configuring RFC1577** section to configure further.

Windows® 95

Update Device Driver Wizard
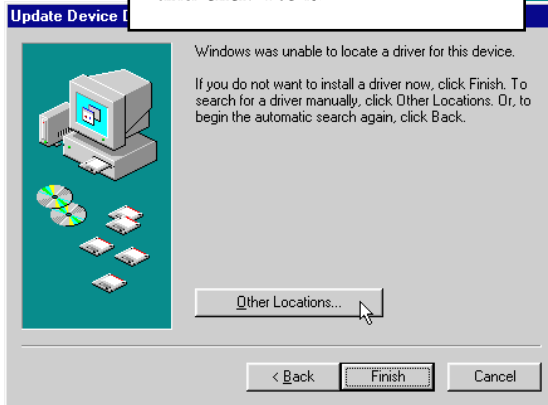
This wizard will complete the installation of:

PCI System Peripheral

by searching your local drives, network, and Internet locations for the most current driver.
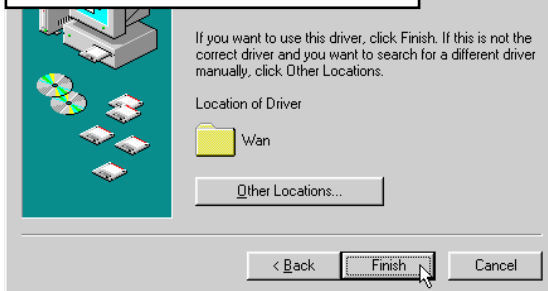
If you have a disk or CD-ROM that came with this device, insert it now.

It is recommended that you let Windows search for an updated driver. To do this, click Next to continue.

< Back   Next >   Cancel

1.   Power on your computer to start Windows. It will detect the newly-installed modem card and prompt for its drivers.

Place the **DSL300P Installation CD** into your CD-ROM drive and click **Next**.

Update Device D

Windows was unable to locate a driver for this device.

If you do not want to install a driver now, click Finish. To search for a driver manually, click Other Locations. Or, to begin the automatic search again, click Back.

Other Locations...

< Back   Finish   Cancel

2.   Click **Other Locations...** to direct Windows to the drivers.

Type the name of the folder that contains the driver you want. To search for a folder, click Browse.

tion

D:\Win95\Wan   Browse...

OK   Cancel

3.   For **RFC1483 or 1577 users**, browse to the **Win95\Lan** folder on your CD-ROM. For **RFC2364 users**, browse to the **Win95\Wan** folder on your CD-ROM. Click **OK**.

driver for this

If you want to use this driver, click Finish. If this is not the correct driver and you want to search for a different driver manually, click Other Locations.

Location of Driver

Wan

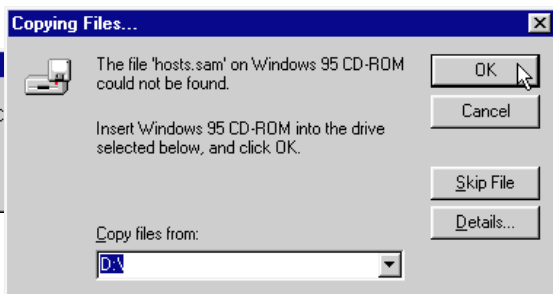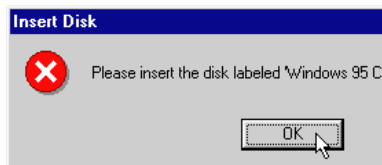Other Locations...

< Back   Finish   Cancel

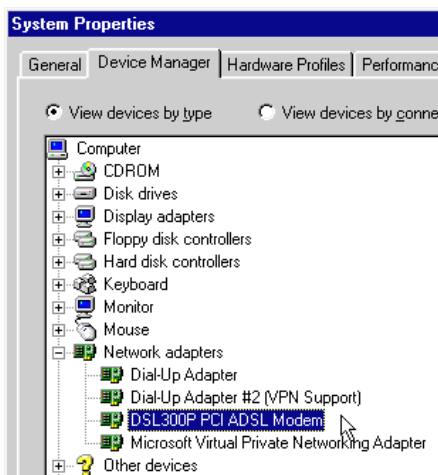*4.*   Windows will prompt that the driver is found. Click **Finish**.

5. If you are prompted to insert the Installation CD, click **OK**. Browse to the **Win95\WAN** or **Win95\LAN** folder on the CD-ROM, then click **OK**.

e 'CnxTgF.hex' on DSL300P
ation Disk could not be found.

DSL300P Installation Disk into the
elected below, and click OK.

OK
Cancel
Skip File
Details...
Browse...

Copy files from:
D:\WIN95\WAN

Insert Disk

Please insert the disk labeled 'DSL300P Installation

OK
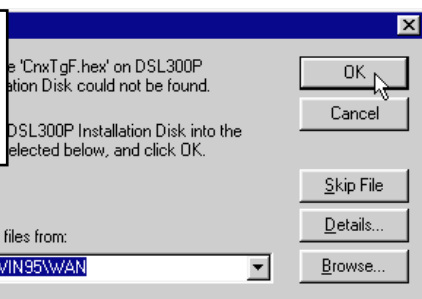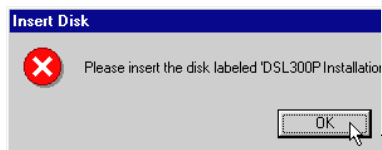
6. If you are prompted to insert Windows CD, replace the CD in the CD-ROM drive with the Windows CD and then click **OK**. Browse to the root directory of the CD-ROM, then click **OK**.

Copying Files...

The file 'hosts.sam' on Windows 95 CD-ROM could not be found.

Insert Windows 95 CD-ROM into the drive selected below, and click OK.

OK
Cancel
Skip File
Details...

Copy files from:
D:\

Insert Disk

Please insert the disk labeled 'Windows 95 C

OK

7. If there is a **Version Conflict** prompt about a file being copied is older, click **Yes** to keep your existing file.

8. Click **Yes** if prompted to restart.

9. After restarting, check that the drivers have been installed properly by right-clicking **My Computer** and selecting **Properties**. Click on the **Device Manager** tab.

10. If the drivers were not installed properly, a yellow exclamation mark will appear beside the installed device. In this case, uninstall the drivers before attempting another installation.

11. Proceed to set the Virtual Circuit Identification in order to establish an ADSL connection. Note that RFC1577 users need to refer to the **Configuring RFC1577** section to configure further.
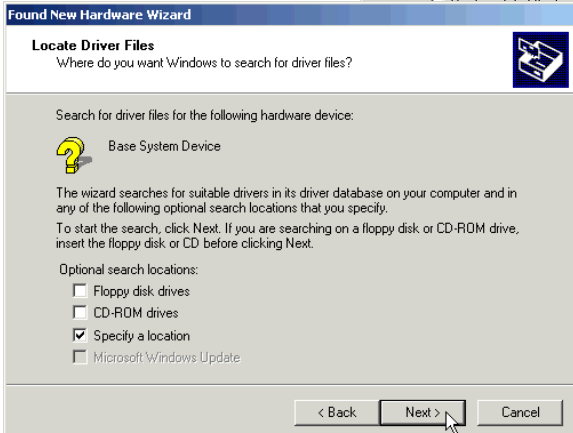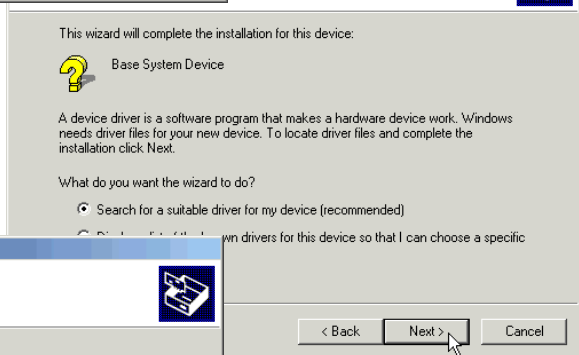
System Properties

General | Device Manager | Hardware Profiles | Performanc

○ View devices by type   ○ View devices by conne

- Computer
  - CDROM
  - Disk drives
  - Display adapters
  - Floppy disk controllers
  - Hard disk controllers
  - Keyboard
  - Monitor
  - Mouse
  - Network adapters
    - Dial-Up Adapter
    - Dial-Up Adapter #2 (VPN Support)
    - DSL300P PCI ADSL Modem
    - Microsoft Virtual Private Networking Adapter
  - Other devices

Windows® 2000

1. Power on your computer to start Windows. It will detect the newly-installed modem card and prompt for its drivers.

Found New Hardware Wizard

Welcome to the Found New
Hardware Wizard

This wizard helps you install a device driver for a
hardware device.

To continue, click Next.

< Back   Next >   Cancel

2. Place the **DSL300P Installation CD** into your CD-ROM drive and click **Next**.

ers
ogram that enables a hardware device to work with

This wizard will complete the installation for this device:

Base System Device

A device driver is a software program that makes a hardware device work. Windows
needs driver files for your new device. To locate driver files and complete the
installation click Next.

What do you want the wizard to do?

● Search for a suitable driver for my device (recommended)

○ Di...   ...wn drivers for this device so that I can choose a specific

< Back   Next >   Cancel

3. Select **"Search for a suitable driver for my device (recommended)"** and click **Next**.

Found New Hardware Wizard

Locate Driver Files
Where do you want Windows to search for driver files?

Search for driver files for the following hardware device:

Base System Device

The wizard searches for suitable drivers in its driver database on your computer and in
any of the following optional search locations that you specify.

To start the search, click Next. If you are searching on a floppy disk or CD-ROM drive,
insert the floppy disk or CD before clicking Next.

Optional search locations:
☐ Floppy disk drives
☐ CD-ROM drives
☑ Specify a location
☐ Microsoft Windows Update

< Back   Next >   Cancel

4. Select "**Specify a location**" and click **Next**.

5. Click **Browse...**

For RFC1483 or 1577 users, browse to the '**W2k98Me\Lan**' directory on your CD-ROM and click **OK**.

For RFC2364 users, browse to the '**W2k98Me\Wan**' directory on your CD-ROM and click **OK**.
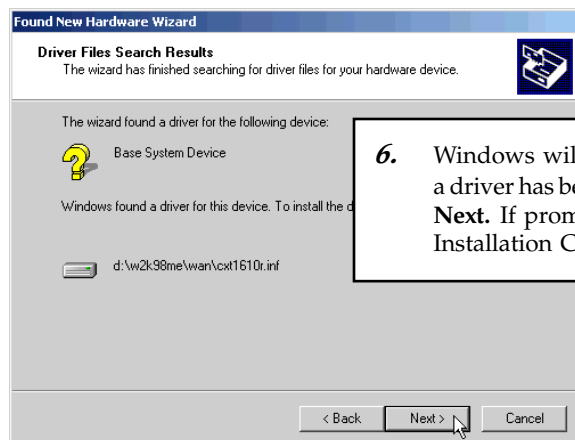
6. Windows will prompt that a driver has been found. Click **Next.** If prompted for the Installation CD, click **OK**.

7. A **Digital Signature Not Found** Window may appear. This is displayed due to different driver versions. Click **Yes**.

8. Click **Finish**. when done.
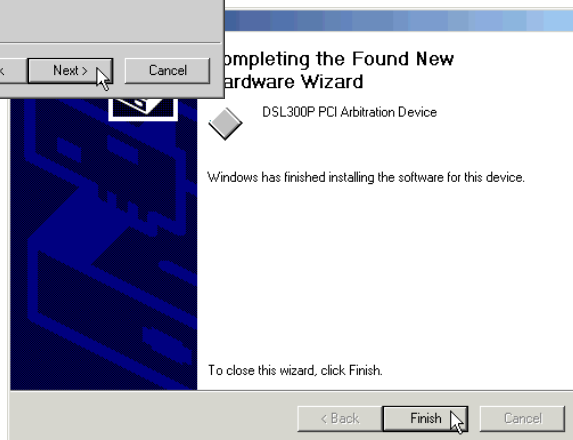
9. A **Digital Signature Not Found** Window may appear again. Click **Yes**.

10. To verify that the drivers have been installed properly, right-click **My Computer** and select **Properties**. Click on the **Hardware** tab and then **Device Manager...**. If the drivers were not installed properly, a yellow exclamation mark will appear beside the installed device. In this case, uninstall the drivers before attempting another installation.
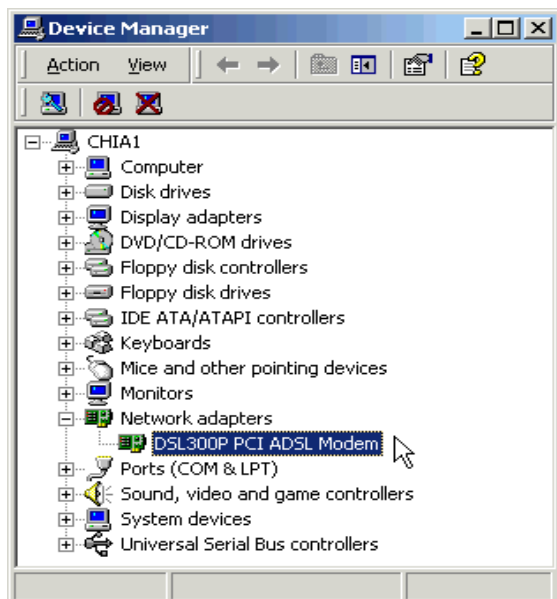
11. Proceed to set the Virtual Circuit Identification in order to establish an ADSL connection. Note that RFC1577 users need to refer to the **Configuring RFC1577** section to configure further.

Monitoring the ADSL Line

To set the Virtual Path Identifier (VPI) and the Virtual Circuit Identifier (VCI) and

monitor the ADSL line, double-click on the **DSL300P PCI ADSL Modem** DSL300P PCI ADSL Modem

icon in the **Control Panel** or from the system tray's icon near the clock at the bottom

right of the screen 11:51 AM . If
you open from the system tray, use
Alt-A to reveal the toolbox and then
click on **Advanced Monitoring**.
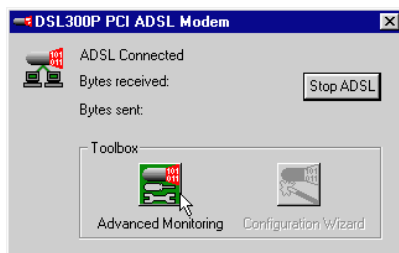
Under the
General tab, the
**ADSL Line
Information**
shows the status
of the line. When
the connection is
established,
information such
as the number
and rates of
bytes received/
transmitted are
displayed.

Configuring RFC1577

For **RFC1577 users**, you have to change the encapsulation mode and configure the **TCP/IP Properties** from the **Protocol Setup** tab. Press **Alt+P** from the **ADSL Line Information** window. Click the **Protocol Setup** tab.

You need to restart your system for the values to take effect!

Next, configure the TCP/IP Properties. From the Windows desktop, right-click on **Network Neighborhood** and select **Properties**. Search for the **TCP/IP -> DSL300P PCI ADSL Modem** and click the **Properties** button.
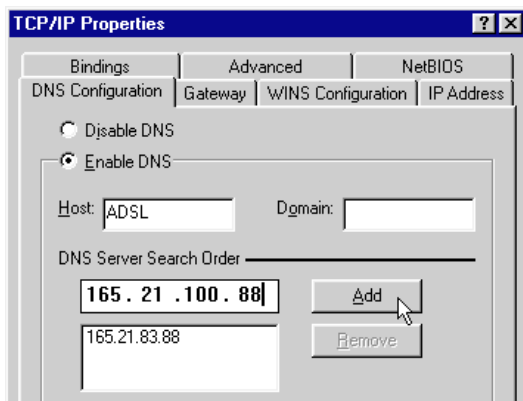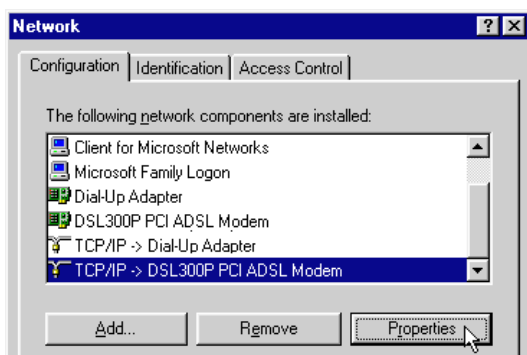
Select the **DNS Configuration** tab. Enter the values given by your ISP in the **Host** box and **DNS Server Search Order** box and click **Add**.

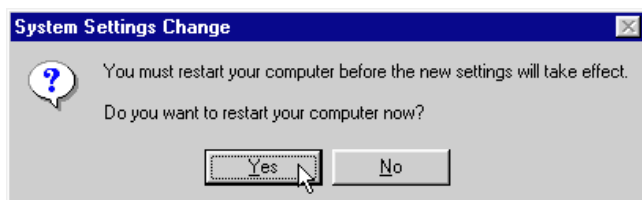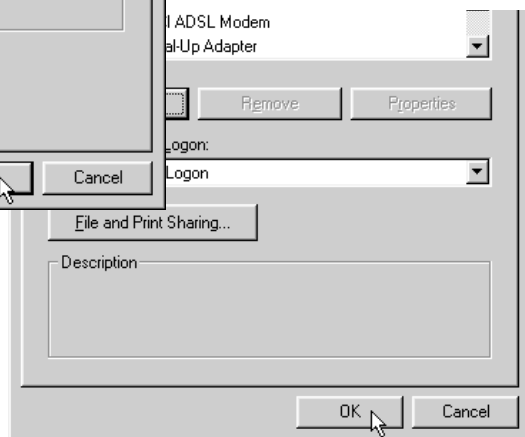Next, under the **Gateway** tab, enter the **New Gateway** value and click **Add**.
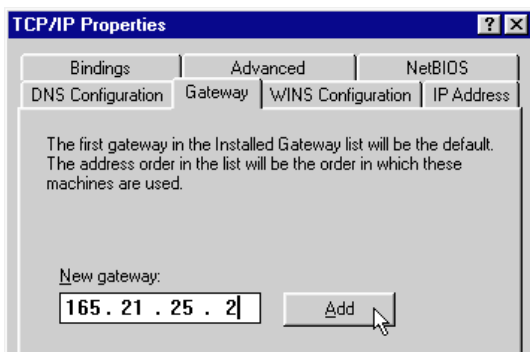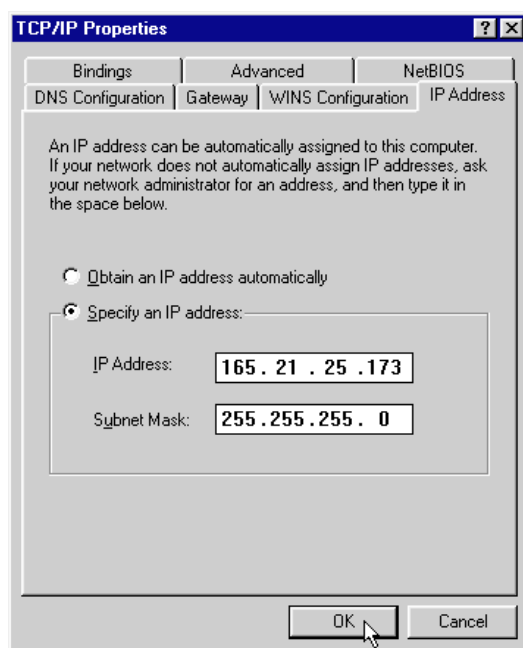
Under the **IP Address** tab, specify the **IP Address** and **Subnet Mask** given by your ISP.

Click **OK**.

Click **OK** again and then **Yes** to restart.

Setting the Virtual Circuit Identification and Changing Encapsulation Mode

To set the Virtual Path Identifier (VPI) and the Virtual Connection Identifier (VCI), click the **Protocol Setup** tab. Set the values of the VPI's and VCI's Virtual Circuit 0 and then click **Apply** and **OK.**
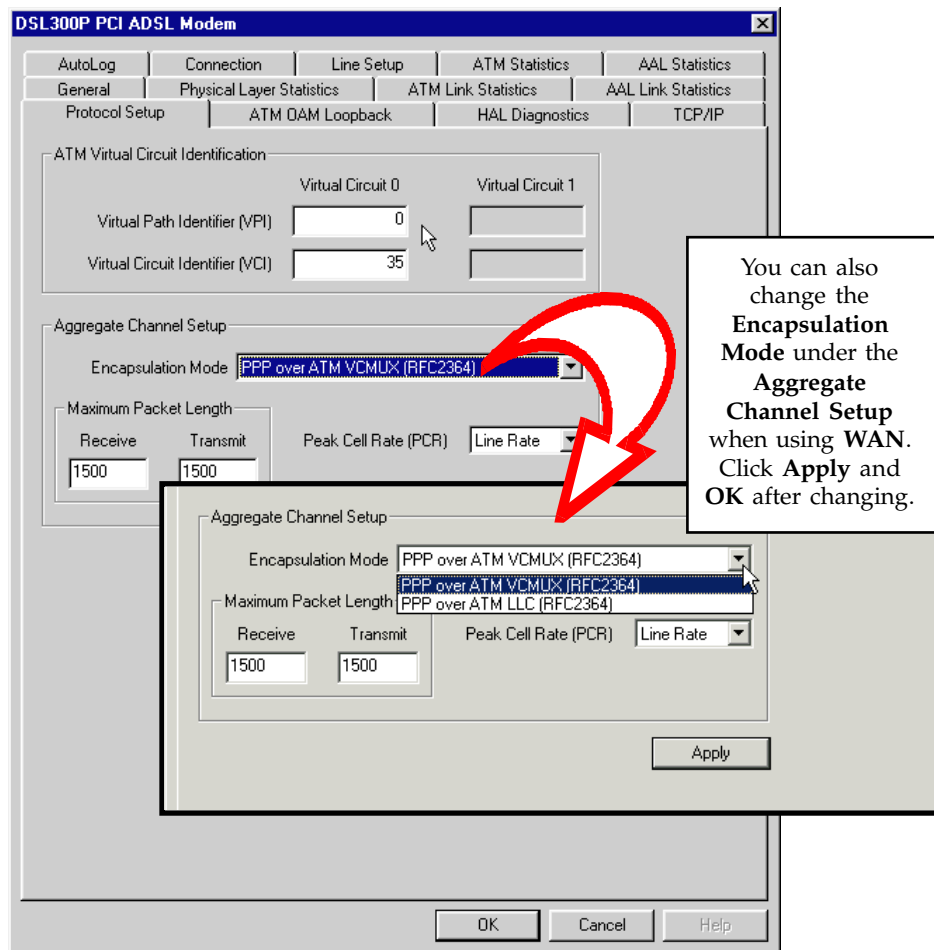
You need to restart your system for the values to take effect!

Uninstalling the ADSL Modem Drivers in Windows® Me/98/98SE/95/2000

1. From your Windows taskbar, click **Start** > **Settings** > **Control Panel**. Double-click

the (Add/Remove Programs) icon.

2. From the **Add/Remove Programs Properties** Window, under the **Install/Uninstall** tab, select **DSL300P PCI ADSL Modem** and click **Add/Remove...** .

3. Follow the instructions to start the uninstallation.

4. Click the **OK** button on the **Add/Remove Programs Properties** Window.

5. Restart your system.