

ADSL PCI Modem

Easy Start (Read Me First)

Version 1.2

Protocols Discussed:

RFC 2684 (RFC 1483)

RFC 2225 (RFC 1577)

RFC 2364

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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 your ADSL PCI Modem. It touches on the key installation procedures to help you setup your modem!



For users who have not installed a modem card before, it is recommended that you refer to the User Manual on the Installation CD ('manuals' folder) for detailed installation instructions. It also contains the section on **Frequently Asked Questions**.

(Print out the entire User Manual for your easy reference.)

Minimum System Requirements

- IBM PC-based computer with Pentium® MMX 233 processor or equivalent
- 1 CD-ROM drive
- 1 free PCI-Bus slot
- 32MB RAM (48MB is recommended) - For Windows® 95 / Windows® 98
64MB RAM (96MB is recommended) - For Windows® Me
64MB RAM (128MB is recommended) - For Windows® XP
32MB RAM - For Windows NT® 4.0
64MB RAM - (128MB is recommended) - For Windows® 2000
- 30MB free hard disk space for system files and modem driver
(Windows CD-ROM may be required during installation, depending on your system's configurations.)
- Windows® 95 OSR2.1 / Windows® 98 / Windows® 98 Second Edition / Windows® Me / Windows® XP / Windows® 2000 / Windows NT® 4.0

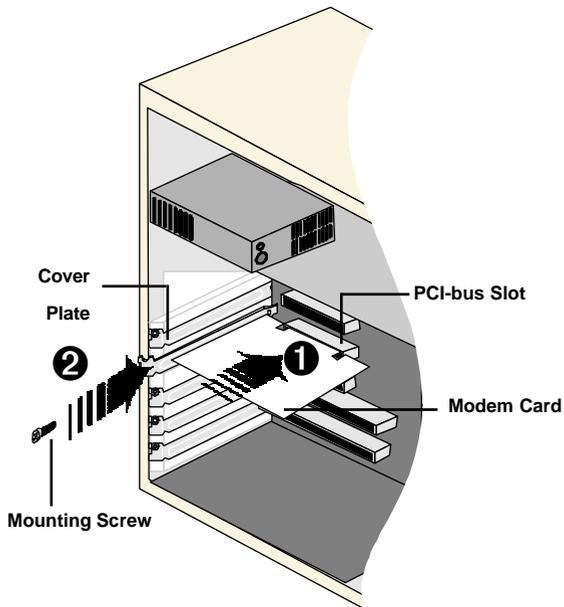
Step 1: Installing Your ADSL PCI Modem



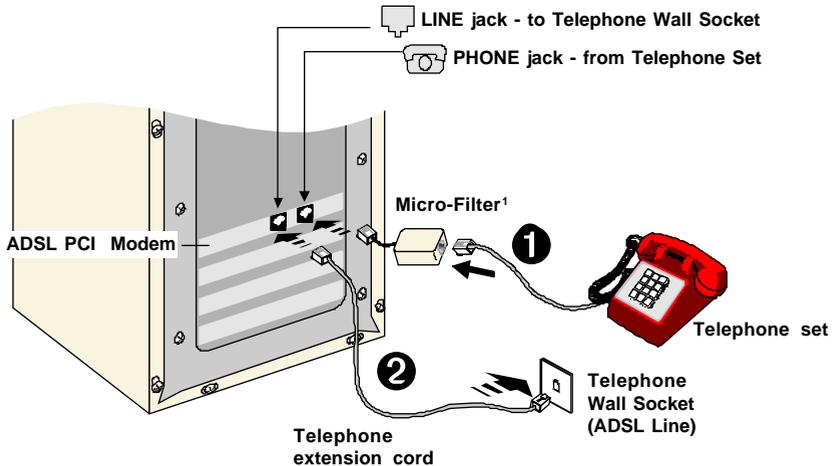
Power off your computer and any connected devices before connecting your modem card!

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

- 1 Insert your modem card firmly into the PCI-Bus slot.
- 2 Secure the modem card with the mounting screw and replace the cover of your computer.



Step 2: Connecting Your ADSL PCI Modem



Connect your card as illustrated above. Upon completion, please proceed with the following section to install the card driver.



1. If your ADSL line and phone are sharing the same line, you need to connect a Micro-Filter¹ to your Telephone set as illustrated above.
2. The **Telephone set** connection is **optional**. The **Phone jack** provides convenience to users who need to use the phone when accessing the computer. The use of Micro-Filter is not required if you are not connecting to a Telephone set.

1 *Micro-Filter eliminates noise interference on your phone and prevent line disconnections when you are surfing the Internet. The use of Micro-Filter is not required if your ADSL and phone are not sharing the same line.*

The device can be purchased separately from your dealer.

Step 3: Installing Your ADSL PCI Modem Driver (One-Click Installation)

This section contains the installation procedures for protocols:

- **RFC 2684** (also known as RFC 1483)
- **RFC 2225** (also known as RFC 1577) and
- **RFC 2364**

You only need to install one of the protocols as determined by your Internet Service Provider.

There are 2 ways to install your modem driver: **One-Click Installation²** or **Manual Installation**. One-Click installation allows you to automate installation in a few steps whereas Manual Installation requires you to manually step through the entire installation process.

This guide contains only the One-Click Installation instructions. For Manual installation, please refer to the User Manual - **Installing Your ADSL PCI Modem Driver (Manual Installation)** on your Installation CD.

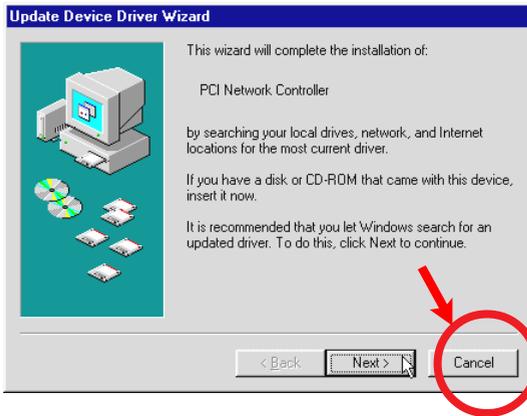


1. **The screen shots, screens information and steps illustrated in this booklet serve only as a guide. The exact information and steps you see on your system may vary, depending on your system's configurations. For any dissimilarities, follow closely to the instructions as prompted on your PC screen.**
2. System may prompt for your **Windows CD-ROM** during the driver installation. Have it ready by your side.
3. **For Windows NT® 4.0 users, One-Click Installation is not supported. Please refer to the User Manual (on the Installation CD) for your driver installation instructions.**

² *One-Click Installation is not supported in Windows NT® 4.0. Please refer to the user manual found on the Installation CD for Windows NT® 4.0 Manual Installation.*

3.1 One-Click Installation - For Windows® 95 OSR2.1

- i) Power on your computer to start Windows. It will detect your newly-installed ADSL PCI Modem and prompt for its driver. Click **Cancel**.

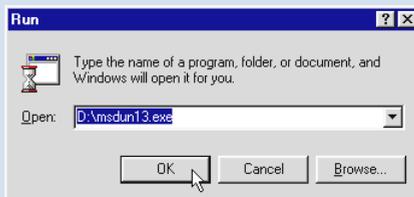


For RFC 2364 users:

You need to have **Microsoft Dial-Up Networking (DUN) version 1.3** and above, installed in your system. If you already have it installed in your system, please proceed with the next step.

If not, please carry out the following steps to install the utility before proceeding with the next step.

- a) Go to Microsoft's website: <http://www.microsoft.com>.
- b) In the Microsoft **Search** path, enter **Msdun13.exe**. From the results listed, locate and select **MSDUN13.EXE: Dial-Up Networking 1.3 Upgrade**.
- c) Click **Msdun13.exe** to download the file to your harddisk. *[file size is about 2.4MBytes]*
- d) From your Windows taskbar, click **Start > Run....** Browse to the directory where you have downloaded **Msdun13.exe**. Select the file and click **OK**.



Click **OK** again.

- e) At the prompt to install Dial-Up Networking, click **Yes** to proceed.
- f) At the **Microsoft TCP/IP Networking** prompt, click **Yes**.
- g) When prompted to restart, click **OK**.

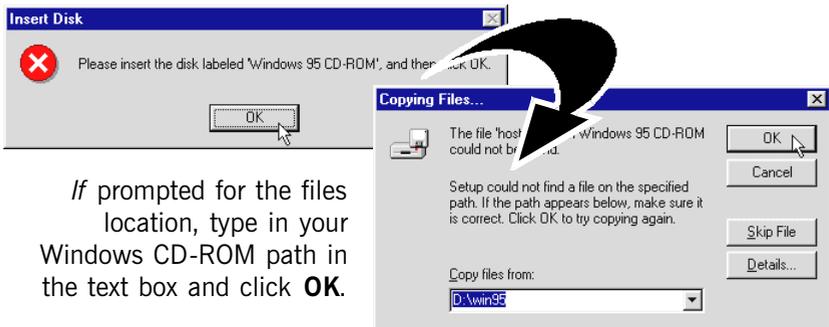
- ii) Place the Installation CD into your CD-ROM Drive. A Main Menu will be prompted.

(If you do not see the Menu displayed, double-click on **My Computer** icon. Locate your **CD-ROM Drive** icon and double-click on it. *Alternatively*, you may double-click on the **setup.exe** at the **util** folder on the Installation CD.)

On the Menu, click the circle corresponding to the protocol you are installing. Installation will commence.

- iii) Depending on your system's configurations, you may be prompted for your **Windows CD-ROM** for some missing files.

Replace the Installation CD in your CD-ROM drive with your **Windows CD-ROM** and click **OK**.



If prompted for the files location, type in your Windows CD-ROM path in the text box and click **OK**.

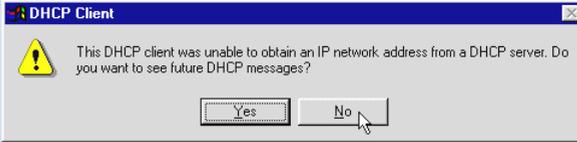
Allow some time for system to install and copy all required files for your modem. See note on the following page.



For RFC 2684 (RFC 1483) users:

Upon files copying complete, system will automatically restart. (Rebooting may take a while.)

You may be prompted with DHCP Client. Click **No**.



This completes your driver installation. Please proceed to **Step 4** to configure the VPI/VCI values.

For RFC 2364 users:

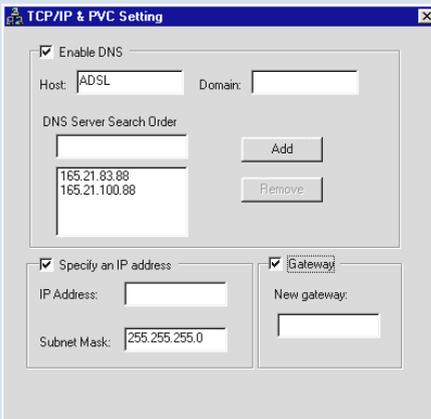
Upon files copying complete, system will automatically restart. (Rebooting may take a while.)

If you are installing a modem in your computer for the first time, you may be prompted for your location information. Enter the relevant information and click **Close**.

This completes your driver installation. Please proceed to **Step 4** to configure the VPI/VCI values.

For RFC 2225 (RFC 1577) users:

You will be prompted with the **TCP/IP & PVC Setting** dialog box as shown below.



Enter the **IP Address** and **New Gateway** fields with the addresses given by your Internet Service Provider.

Overwrite the default values with values given by your Internet Service Provider, when necessary.

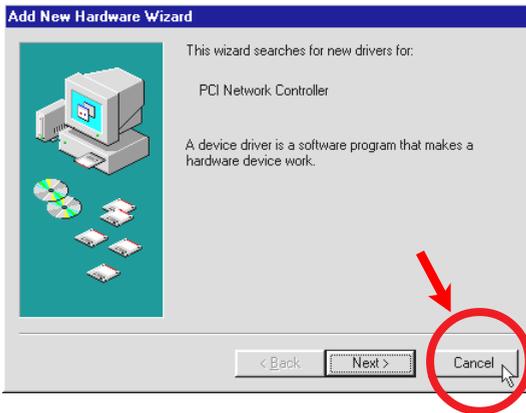
Click **OK**.

At the prompt for restart, click **OK**.

Please proceed to **Step 4** to configure the VPI/VCI values.

3.2 One-Click Installation - For Windows® 98 / Windows® 98 Second Edition

- i) Power on your computer to start Windows. It will detect your newly-installed ADSL PCI Modem and prompt for its driver. Click **Cancel**.



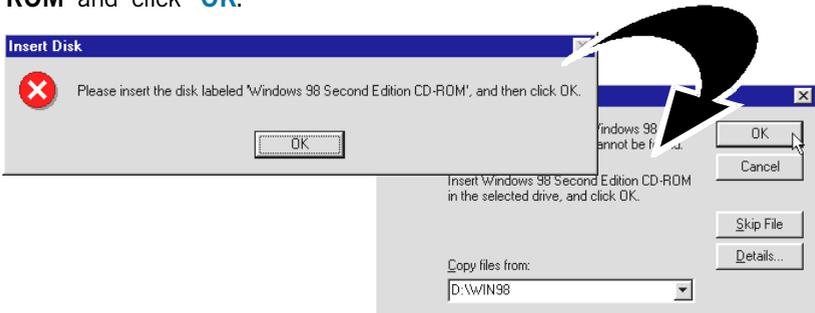
- ii) Place the Installation CD into your CD-ROM Drive. A Main Menu will be prompted.

(If you do not see the Menu displayed, double-click on **My Computer** icon. Locate your **CD-ROM Drive** icon and double-click on it. Alternatively, you may double-click on the **setup.exe** at the **util** folder on the Installation CD.)

On the Menu, click the circle corresponding to the protocol you are installing. Installation will commence.

- iii) Depending on your system's configurations, you may be prompted for your **Windows CD-ROM** for some missing files.

Replace the Installation CD in your CD-ROM drive with your **Windows CD-ROM** and click **OK**.



If prompted for the files location, type in your Windows CD-ROM path in the text box and click **OK**.

Allow some time for system to install and copy all required files for your modem.

- iv) Upon completion, system will automatically restart. (Rebooting may take a while.)

For RFC 2364 and RFC 2225 (RFC 1577) users, see the note below.

For RFC 2684 (RFC 1483) users, please proceed to **Step 4** to configure the VPI/VCI values.



For RFC 2364 users:

If you are installing a modem in your computer for the first time, you may be prompted for your location information. Enter the relevant information and click **Close**. Please proceed to **Step 4** to configure the VPI/VCI values.

For RFC 2225 (RFC 1577) users:

From the **TCP/IP & PVC Setting** dialog box, enter the **IP Address** and **New Gateway** fields with the addresses given by your Internet Service Provider.

Overwrite the default values with values given by your Internet Service Provider, when necessary. Click **OK**.

At the prompt for restart, click **OK**.

Please proceed to **Step 4** to configure the VPI/VCI values.

3.3 One-Click Installation - For Windows® Me

- i) Power on your computer to start Windows. It will detect your newly-installed ADSL PCI Modem and prompt for its driver. Click **Cancel**.



- ii) Place the Installation CD into your CD-ROM Drive. A Main Menu will be prompted.

(If you do not see the Menu displayed, double-click on **My Computer** icon. Locate your **CD-ROM Drive** icon and double-click on it. Alternatively, you may double-click on the **setup.exe** at the **util** folder on the Installation CD.)

On the Menu, click the circle corresponding to the protocol you are installing. Installation will commence.

- iii) Allow some time for your system to install and copy all the required files for your modem. Upon completion, system will restart automatically. (Rebooting may take a while.)

For RFC 2364 and RFC 2225 (RFC 1577) users, see the note on the following page.

For RFC 2684 (RFC 1483) users, please proceed to **Step 4** to configure the VPI/VCI values.



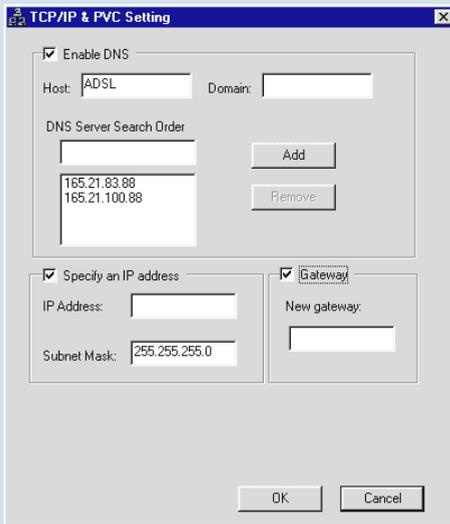
For RFC 2364 users:

If you are installing a modem in your computer for the first time, you may be prompted for your location information. Enter the relevant information and click **Close**. Please proceed to **Step 4** to configure the VPI/VCI values.

For RFC 2225 (RFC 1577) users:

You will be prompted with the dialog box shown below.

Enter the **IP Address** and **New Gateway** fields with the addresses given by your Internet Service Provider.



Overwrite the default values with values given by your Internet Service Provider, when necessary.

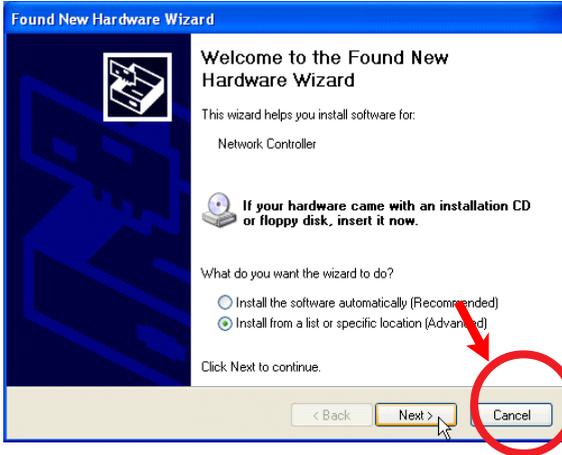
Click **OK**.

At the prompt for restart, click **OK**.

Please proceed to **Step 4** to configure the VPI/VCI values.

3.4 One-Click Installation - For Windows® XP

- i) Power on your computer to start Windows. It will detect your newly-installed ADSL PCI Modem and prompt for its driver. Click **Cancel**.



- ii) Place the Installation CD into your CD-ROM Drive. A Main Menu will be prompted.

(If you do not see the Menu displayed, double-click on **My Computer** icon. Locate your **CD-ROM Drive** icon and double-click on it. Alternatively, you may double-click on the **setup.exe** at the **util** folder on the Installation CD.)

Click on the circle corresponding to the protocol you are installing. Installation will commence.

- iii) You may be prompted with a dialog box similar to the following. Click **Continue Anyway** to proceed. (This occurs when Windows detects the driver as a new version).



- iv) Allow some time for your system to automatically install and copy all the required files for your modem.
- v) You will be prompted '**Installation Completed Successfully**'. Click **OK**. Click **Exit** from the Menu.

For RFC 2684 (RFC 1483) and RFC 2364 users:

Please proceed to **Step 4** to configure the VPI/VCI values.

For RFC 2364 users, if you are installing a modem in your computer for the first time, you may be prompted for your location information. Enter the relevant information and click **Close**.

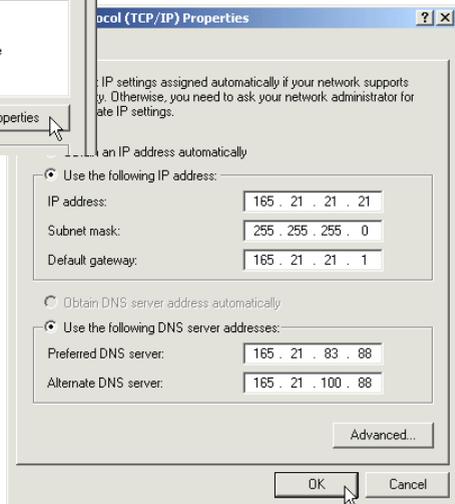
For RFC 2225 (RFC 1577) users:

- a) From your Windows desktop, click **Start > All Programs > Accessories > Communications > Network Connections**.
- b) Right-click on the **Local Area Connection** icon that reflects your modem **ADSL PCI Modem** and click **Properties**.
- c) Ensure that the field **Connect Using** indicates **ADSL PCI Modem**.



- c) Select the option **'Use the following IP address'**. Enter all the required information as given by your Internet Service Provider and click **OK**.

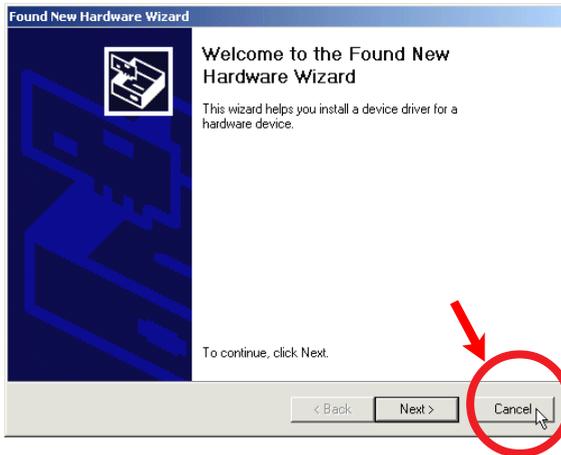
Click **OK** again.



Please proceed to **Step 4** to configure the VPI/VCI values.

3.5 One-Click Installation - For Windows® 2000

- i) Power on your computer to start Windows. It will detect your newly-installed ADSL PCI Modem and prompt for its driver. Click **Cancel**.



- ii) Place the Installation CD into your CD-ROM Drive. A Main Menu will be prompted.

(If you do not see the Menu displayed, double-click on **My Computer** icon. Locate your **CD-ROM Drive** icon and double-click on it. Alternatively, you may double-click on the **setup.exe** at the **util** folder on the Installation CD.)

Click on the circle corresponding to the protocol you are installing. Installation will commence.

- iii) You may be prompted with **Digital Signature Not Found** dialog box. Click **Yes** to proceed. (This occurs when Windows detects the driver as a new version).



- iv) Allow some time for your system to automatically install and copy all the required files for your modem.

- v) You will be prompted '**Installation Completed Successfully**'. Click **OK**. Click **Exit** from the Menu.

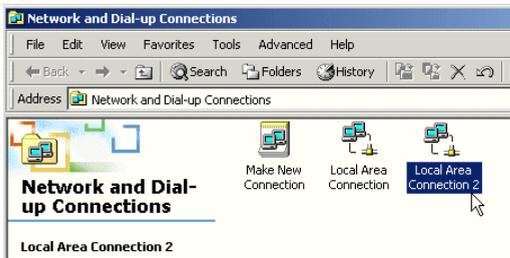
For RFC 2684 (RFC 1483) and RFC 2364 users:

Please proceed to **Step 4** to configure the VPI/VCI values.

For RFC 2364 users, if you are installing a modem in your computer for the first time, you may be prompted for your location information. Enter the relevant information and click **Close**.

For RFC 2225 (RFC 1577) users:

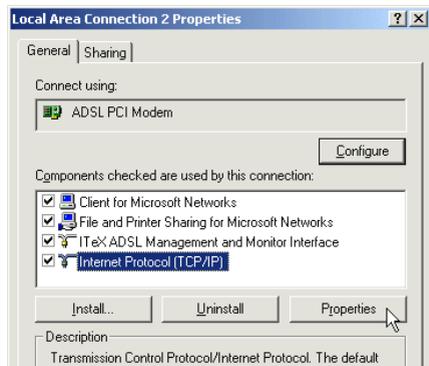
- a) From your Windows desktop, right-click on **My Network Places** icon and select **Properties**.
- b) At the **Network and Dial-up Connections** window, right-click on the **Local Area Connection** icon and select **Properties**.



- c) Ensure that the field **Connect Using** indicates **ADSL PCI Modem**.

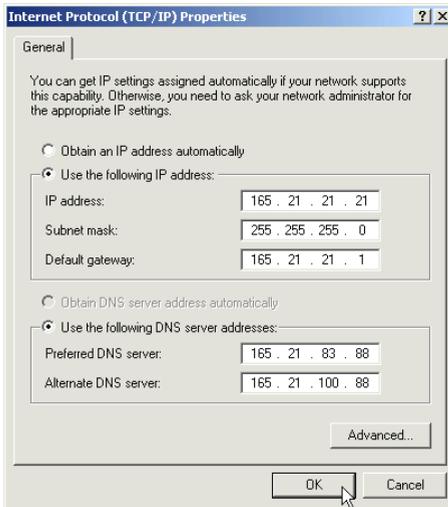
*(This is especially important if you have more than one **Local Area Connection** icons displayed on your **Network and Dial-up Connections** window. If you do not see **ADSL PCI Modem** listed in the field, right-click another **Local Area Connection** icon and check.)*

Select **Internet Protocol (TCP/IP)** and click **Properties**.



- c) Select the option '**Use the following IP address**'. Enter all the required information as given by your Internet Service Provider and click **OK**.

Click **OK** again.



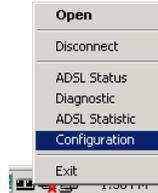
The screenshot shows the 'Internet Protocol (TCP/IP) Properties' dialog box with the 'General' tab selected. The dialog box contains the following information:

- General** tab is active.
- Text: "You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings."
- Radio button: Obtain an IP address automatically
- Radio button: Use the following IP address:
- IP address: 165 . 21 . 21 . 21
- Subnet mask: 255 . 255 . 255 . 0
- Default gateway: 165 . 21 . 21 . 1
- Radio button: Obtain DNS server address automatically
- Radio button: Use the following DNS server addresses:
- Preferred DNS server: 165 . 21 . 83 . 88
- Alternate DNS server: 165 . 21 . 100 . 88
- Advanced... button
- OK button (with mouse cursor)
- Cancel button

Please proceed to **Step 4** to configure the VPI/VCI values.

Step 4: Configuring VPI/VCI Values for Internet Connection

- i) Right-click on the **MAPI Icon**³ . Select **Configuration**.



- ii) The following window will be prompted.

(The options for RFC 2684, 2225 and 2364 are similar. The illustration shown here is based on RFC 2364.)

Click to configure and add multiple VPI/VCI values (see step iii)

Click to select your Internet Service Provider.

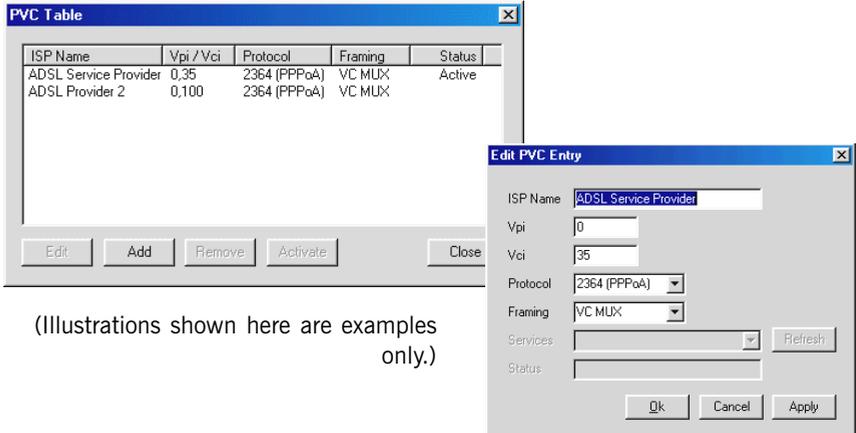
Click to activate the listed Service Provider.

Click **Set Mode** if you have make changes to the ADSL mode.

Click to exit.

³ MAPI Icon will be displayed at your Windows system tray after you have successfully installed your modem driver. This icon will allow you to monitor your ADSL line connection, configure your VPI/VCI values and so on. The different MAPI LEDs light indicate different connection states. For details, please refer to **Appendix A - ADSL MAPI Icon** on the User Manual.

- iii) To configure **VPI/VCI values**, add **multiple ISP names** or **multiple VPI/VCI values**, click **PVC Table**.



(Illustrations shown here are examples only.)

To **edit** the existing configuration or to change the ISP Name, double-click on it. Overwrite the existing values with your new ones and click **OK**.

To **add** a new configuration, click **Add**. Enter your new ISP Name, VPI, VCI values and click **OK**.

To **remove** an existing configuration, click on the ISP Name and click **Remove**.

You may **activate** any of your configurations by selecting the ISP Name and click **Activate**.

For RFC 2684 and 2225 users, you may double-click your browser to begin your Internet surfing!

For RFC 2364 users, please proceed to **Step 5** to establish your Internet connection.

Step 5: Establishing Your Internet Connection (For RFC 2364 only)

- i) From your Windows desktop, a **ADSL PCI Modem** dial-up icon will be generated. Double-click on it.
- ii) A dialog box similar to the one shown on your right will be prompted.

(The illustrated screen is based on Windows® Me. Different operating systems may have their screen differ slightly.)

Enter the required information.

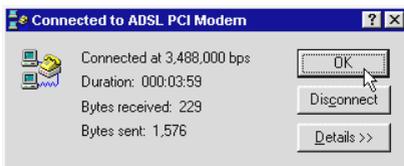
Ensure that the **MAPI Icon** (at your system tray) shows both the LEDs **black** in colour (indicating ADSL line is established).

Click **Connect** to dial up to the Internet.



- iii) Upon successful dial-up, you should be able to see an icon () displayed at the corner of your Windows taskbar. Double-click your browser to begin your Internet surfing!

Double-click on the icon. You will be able to see the following information.



(The connection speed indicates the speed that the ADSL modem can achieved. Your actual connection speed will depend on the subscription plan that you have signed-up with your ADSL Service Provider.)

Check your connection time by looking at the **Duration**. Click **Disconnect** to end the session.

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