ADSL USB Modem

Easy Start
(Read Me First)

Version 1.5

Protocols Discussed:

RFC 1483
RFC 1577
RFC 2364
RFC 2516

Contents...

Windows® 98 Second Edition, Windows® Me, Windows® XP and Windows® 2000 supported

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

Safety Guidelines

- Keep the modem away from fluid, direct sunlight and excessive heat
- During times of lightning strike/thunderstorm, do not use the modem
- This product is for use only in UL Listed computers
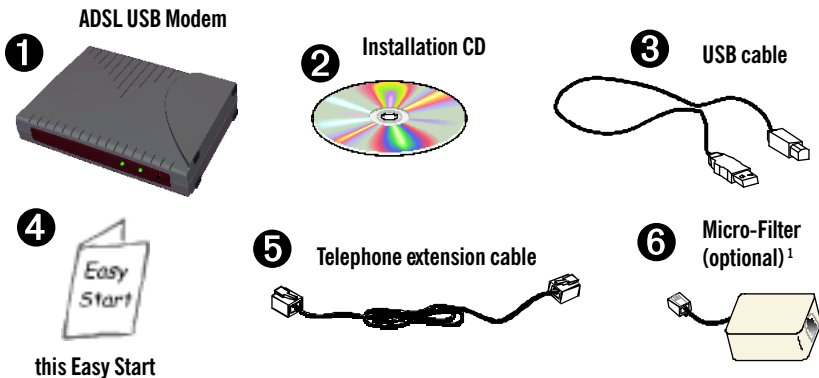- To reduce the risk of fire, use only No. 26 AWG or larger telecommunication line cord

About this Easy Start

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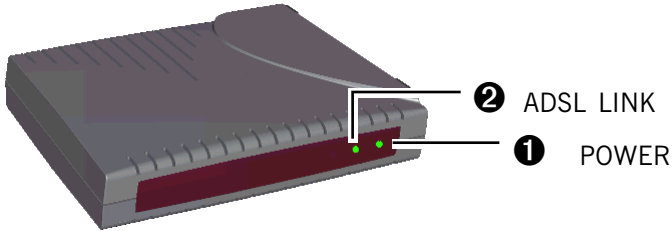
Package

Please check that you have the following items in your package. If you found any missing items, please contact your dealer immediately.
(The actual cables that are included with your package may differ in appearance from country to country)

❶ **ADSL USB Modem**

❷ **Installation CD**

❸ **USB cable**

❹ **this Easy Start**

Easy Start

❺ **Telephone extension cable**

❻ **Micro-Filter (optional)** [1]

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1 *Micro-Filter is only required for product model with '(M)'. If you are unsure of your product model, refer to the label on your modem casing (e.g. DSL100U(M)). The Micro-Filter may or may not be bundled with your package, depending on country purchased. If it is not bundled, you may purchased it separately from your dealer.*

LED Indicators

❷ ADSL LINK
❶ POWER

❶ POWER

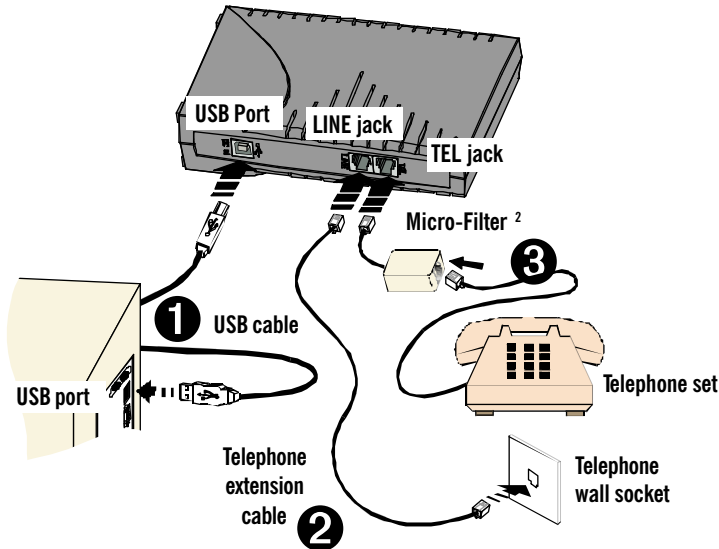| LEDs Activity	Descriptions
Lights up	When you have connected your modem to the computer. Your computer must also be powered on for the LED to light up.
Off	i. You have not connected your modem to your computer. See **Step 1 - Connecting Your ADSL USB Modem**. ii. You have not powered on your computer. If problem persists, contact your dealer immediately.

❷ ADSL LINK

LEDs Activity	Descriptions
Flashes	Your modem is trying to establish an ADSL connection.
Lights up	When the ADSL connection is established.
If the **ADSL Link LED** keeps flashing and does not remain lit up, it could be that your ADSL services has not been activated. Please contact your ADSL Service Provider.	

Step 1: Connecting the ADSL USB Modem

With the "Hot Swap" feature in this modem, you can connect your modem to your computer anytime, without having to power off your system!

Carry out the connections as illustrated.

❶ Connect one end of the **USB cable** (⬚) to the **USB Port** on your **modem** and the other end (⬚) to the **USB port** of **your computer**.

❷ Connect one end of the **telephone extension cable** to the **Line Jack** on your **modem** and the other end to the **telephone wall socket**.

❸ A **telephone set** can be connected to the **Tel Jack** on your modem. (This optional connection enables you to use your telephone and your modem concurrently.)

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2   *Micro-Filter is only required for product model with* **'(M)'**. *If you are unsure of your product model, refer to the label on your modem casing. For details on the usage of the Micro-Filter, please refer to the* **Frequently Asked Questions** *section,* '**Do I need to use Micro-Filter when using ADSL?**'

Step 2: Installing the ADSL USB Modem Driver

The following contains the driver installation instructions for protocols **RFC 1483, RFC 1577, RFC 2364** and **RFC 2516**. You only need to install one of them, as determined by your ADSL Service Provider.
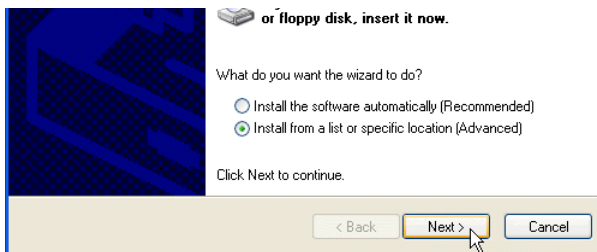
> 1. **For Windows® 98 Second Edition users**, depending on your system's configurations, you may be prompted for your **Windows CD-ROM** during the driver installation. Have it ready by your side.
>
> 2. **The screen shots, screens information and steps illustrated in this manual serve only as a guide. The exact information and steps you see on your system may vary, depending on your system configurations. For any dissimilarities, follow closely to the instructions as prompted on your PC screen.**

2.1 Installing the ADSL USB Modem Driver - For Windows® XP

Power on your computer (if it is not powered on during connection). If you have connected the USB cable from your computer to your modem as illustrated in **Step 1**, you will be prompted for the following driver installation.
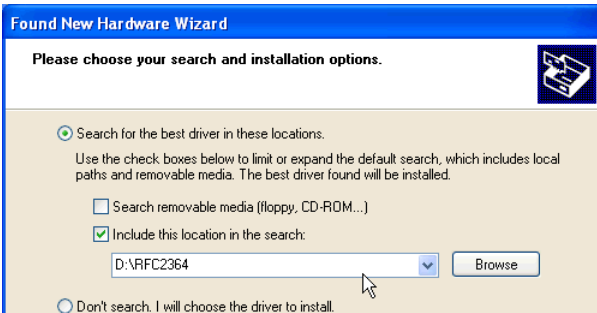
Windows will detect your new device as USB device.

i. Place the **Installation CD** into your CD-ROM Drive.
Select **Install from a list or specific location (Advanced)** and click **Next**.

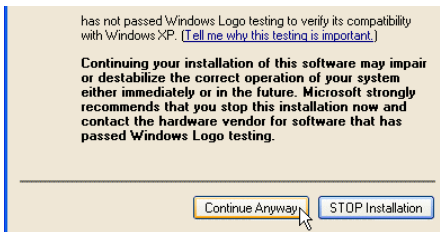ii. Click the option **Include this location in the search**.

Click **Browse** and navigate to your Installation CD for the required protocol folder (RFC1483, RFC1577, RFC2364 or RFC2516 as determined by your ADSL Service Provider).

Click **Next**.

(The example is based on RFC2364)

iii. At the following prompt, click **Continue Anyway**. (This prompts occurs when Windows does not have the record of your latest driver).

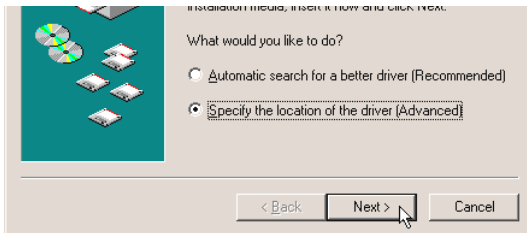Allow some time for the system to install the driver.

iv. Click **Finish** and proceed with the second stage of installation - **Step 3: Running ADSL Modem Setup Program**.

2.2   Installing the ADSL USB Modem Driver - For Windows® Me

Power on your computer (if it is not powered on during connection). If you have connected the USB cable from your computer to your modem as illustrated in **Step 1**, you will be prompted for the following driver installation.
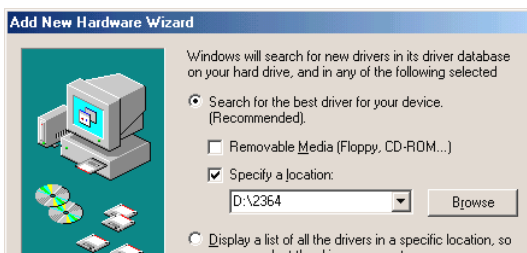
Windows will detect your new device as USB device.

i.   Place the **Installation CD** into your CD-ROM Drive.

Select **Specify the location of the driver (Advanced)** and click **Next**.

ii.   Select **Specify a location**.

Click **Browse** and navigate to your Installation CD for the required protocol folder (RFC1483, RFC1577, RFC2364 or RFC2516 as determined by your ADSL Service Provider).

Click **Next**.
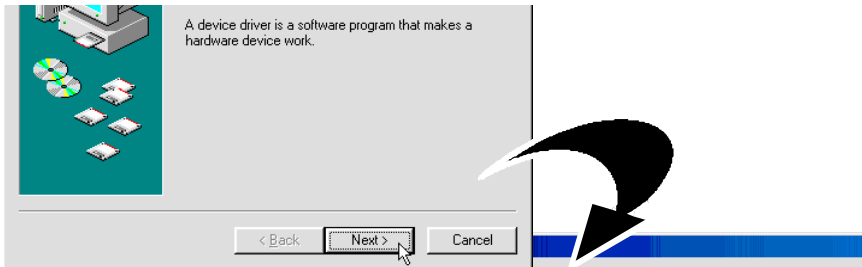

(The example is based on RFC2364)

iii. Click **Next** again to proceed installation with the specified driver.

iv.   Click **Finish** and proceed with the second stage of installation - **Step 3: Running ADSL Modem Setup Program**.

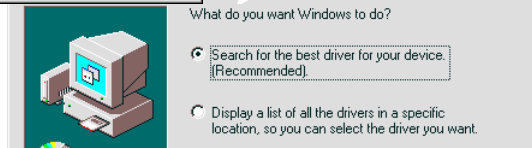## 2.3 Installing the ADSL USB Modem Driver - For Windows® 98 Second Edition

Power on your computer (if it is not powered on during connection). If you have connected the USB cable from your computer to your modem as illustrated in Step 1, you will be prompted for the following driver installation.

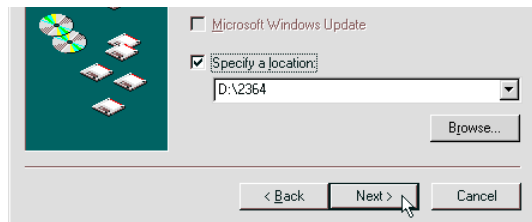**Windows will detect your new device as USB device.**

i.   Place the Installation CD into your CD-ROM Drive and click **Next**.

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

< Back   Next >   Cancel

ii.   Select **Search for the best driver for your device (Recommended)** and click **Next**.

What do you want Windows to do?

○ Search for the best driver for your device.
  (Recommended).

○ Display a list of all the drivers in a specific
  location, so you can select the driver you want.

iii.   Select **Specify a location**.

Click **Browse** and navigate to your Installation CD for the required protocol folder (RFC1483, RFC1577, RFC2364 or RFC2516 as determined by your ADSL Service Provider).

Click **Next**.

☐ Microsoft Windows Update

☑ Specify a location:

D:\2364

Browse...

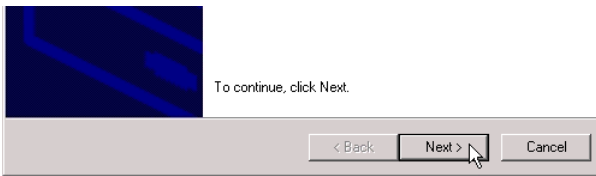< Back   Next >   Cancel

(The example is based on RFC2364)

iv.   Click **Next** to proceed installation with the specified driver.

v.   Click **Finish** and proceed with the second stage of installation - **Step 3: Running ADSL Modem Setup Program**.

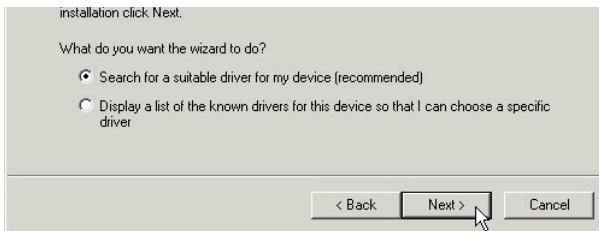## 2.4 Installing the ADSL USB Modem Driver - For Windows® 2000

Power on your computer (if it is not powered on during connection). If you have connected the USB cable from your computer to your modem as illustrated in Step 1, you will be prompted for the following driver installation.

Windows will detect your new device as USB device.

i. Place the Installation CD onto your CD-ROM Drive and click **Next**.

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

iii. Select **Specify a location** and click **Next**.

iv. Click **Browse** and navigate to your Installation CD for the required protocol folder (RFC1483, RFC1577, RFC2364 or RFC2516 as determined by your ADSL Service Provider).

    Click **OK**.

(The example is based on RFC2364)

v. Click **Next** again to proceed installation with the specified driver.

vi. Click **Finish** and proceed with the second stage of installation. See **Step 3: Running ADSL Modem Setup Program**.
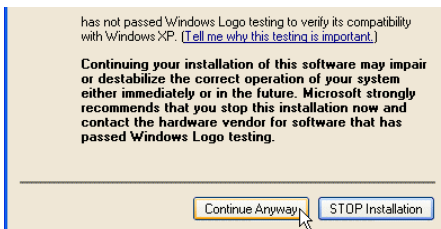
Step 3: Running ADSL Modem Setup Program

i. At the following **Welcome** prompt, click **Next**. The detection of the hardware will begin.

For Windows® XP

You may be prompted a few times with the following window. This happens when Windows does not have the record of this latest driver. Click **Continue Anyway** to proceed. Proceed with step ii.

For Windows® Me

Upon copying files complete, click **Finish** to complete the installation. Restart when prompted. Proceed with step ii.

For Windows® 98 Second Edition

You may be prompted for the Windows CD-ROM. Place the Windows CD-ROM into your CD-ROM Drive and click **OK**.

At the prompt for files location, enter the path of your Windows CD-ROM (e.g D:\win98) in the text box and click **OK**.

Restart when prompted. Proceed with step ii.

For Windows® 2000

You may be prompted with a **Digital Signature Not Found** window twice. Click **Yes** on both occasions to proceed.
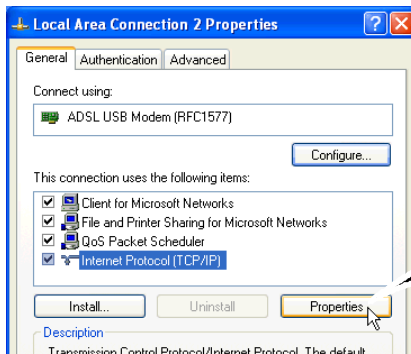
Click **Finish** to complete the installation.

ii. If you are installing **RFC1577** protocol, please proceed with **Step 4 - Configuring the IP Settings**. For the rest of the protocols, please proceed with **Step 5 - Setting the PVCs Values**.

Step 4: Configuring the IP Settings
(For RFC 1577 protocol only)

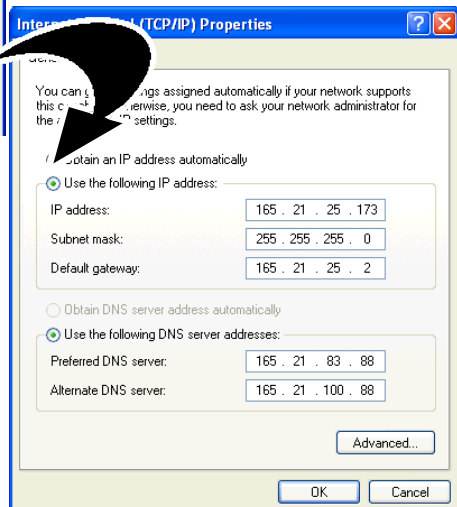## 4.1   Configuring the IP Settings - For Windows® XP

(Instructions are based on default Start **menu** option)

i.   From your Windows taskbar, click **Start** > **More Programs** > **Accessories** > **Communications** > **Network Connections.**

ii.   From **Other Places**, click **My Network Places**. Right-click on the **LAN Area Connection** and select **Properties**.

iii. Ensure that the field **Connect Using** indicates **ADSL USB Modem**. *(This verification is important as you may more than one Local Area Connection icons installed in your system).*

Select **Internet Protocol (TCP/ IP)** and click **Properties**.
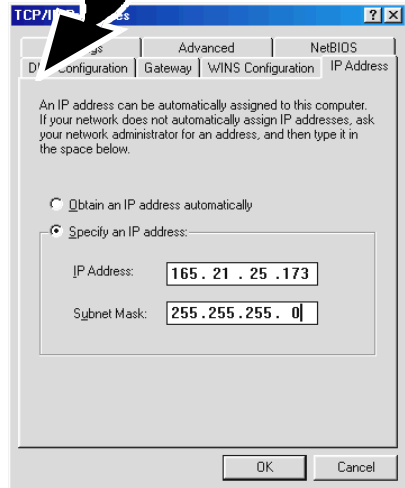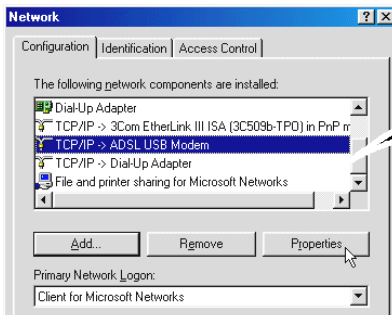
(Addresses shown here are examples)

iv.   Click **Use the following IP address**. Enter the addresses as given by your ADSL Service Provider.

Click **Use the following DNS server addresses**. Enter the DNS server addresses as given by your ADSL Service Provider.

Click **OK**. Click **OK** again to close.
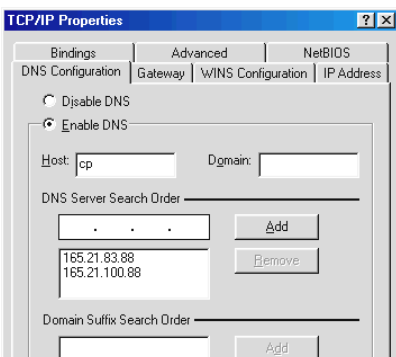
Restart your system when prompted.

Proceed with **Step 5** to set the VPI and VCI values.

4.2   Configuring the IP Settings
- For Windows® Me / Windows® 98 Second Edition

i.   From your Windows desktop, right-click on the **Network Neighborhood** icon. Select **Properties**.

ii.   From the **Configuration** tab, select **TCP/IP-> ADSL USB Modem** and click **Properties**.
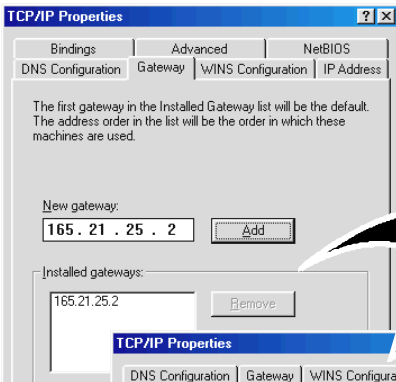

iii.   Select the **IP Address** tab.

Click **Specify an IP address**.

Enter the addresses as given by your ADSL Service Provider. (Addresses shown here are examples)
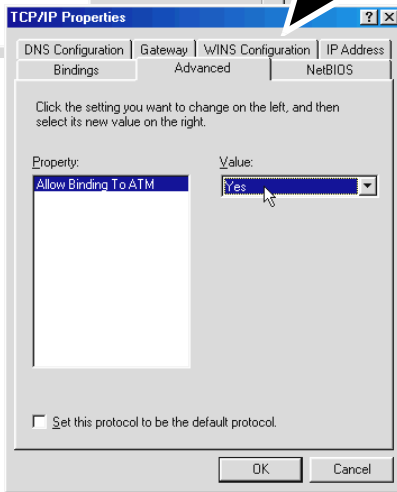
(Addresses shown here are examples)

iv.   Select **DNS Configuration** tab.

Click **Enable DNS**.

Enter the **Host** name.

Enter the **DNS Server Search Order**. addresses and click **Add**. (Values to be provided by your ADSL Service Provider)

v.   Select the **Gateway** tab.

Enter the **New Gateway** address assigned by your ADSL Service Provider and click **Add**.

vi.   Select **Advanced** tab.

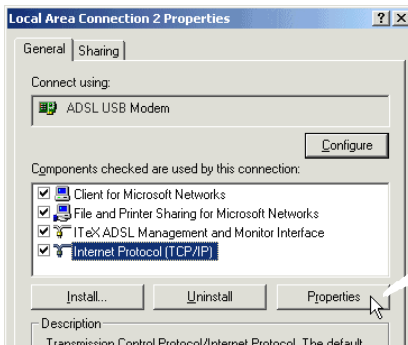Select **Yes** from the **Value** drop-down list and click **OK**.

Proceed with **Step 5** to set the VPI and VCI values.

4.3   Configuring the IP Settings - For Windows® 2000

i.   From your Windows desktop, right-click on the icon **My Network Places**. Select **Properties**.

At the **Network and Dial-up Connections** window, right-click on the **Local Area Connection** icon and select **Properties**.

ii. Ensure that the field **Connect Using** indicates **ADSL USB Modem**. *(This verification is important as you may more than one Local Area Connection icons installed in your system).*

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

iii. Click **Use the following IP address**. Enter the addresses as given by your ADSL Service Provider.
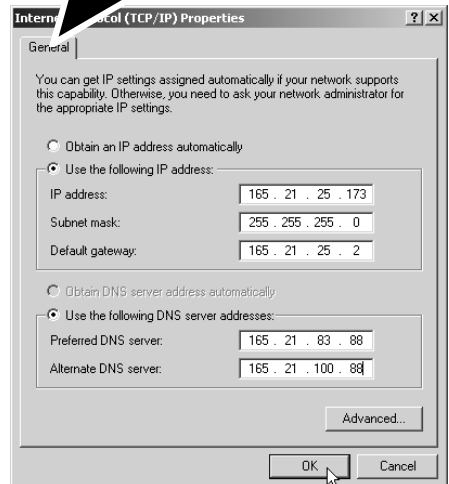
Click **Use the following DNS server addresses**. Enter the DNS server addresses as given by your ADSL Service Provider.

Click **OK**.

Click **OK** again to close.

Restart your system when prompted.

Proceed with **Step 5** to set the VPI and VCI values.

(Addresses shown here are examples)

Step 5: Setting the PVCs values

Different Service Providers have different settings for their VPI and VCI. Check with your ADSL Service Provider for the values and follow the below instructions to change, if necessary.

i.   From your Windows taskbar, click **Start** > **Programs** > **ADSL USB Modem** > **Configure** (or **Setting**).

ii.   Click **Settings** to change the VPI, VCI values and encapsulation.

Step 6: Establishing the Internet Connection
(for RFC 2364 and RFC 2516 only)

> **For RFC 1483 and RFC 1577 users, you need to install a third-party dial-up software to connect to the Internet.**

i.   To connect to the Internet, double-click shortcut icon **ADSL USB Modem Dial-up** on the Windows desktop.

(The shortcut icon was created when you installed the modem driver successfully.)

ii.   Enter your **user name** and **password**. Click **Connect**.

iii.   Upon successful dial-up, you should be able to see an icon (   )

displayed on the Windows system tray. Double-click on the icon.

Duration indicates the amount of time you are connected to the Internet. You may click **Disconnect** to end your session.

If you are not able to connect to the Internet, you may refer to the **Frequently Asked Questions**, '*I am not able to connect to the Internet*' on your Installation CD.

> **On commonly asked questions or on problems encountered during setting up / when running your modem, please refer to the Frequently Asked Questions (\manuals folder) on your Installation CD for solutions.**

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