

9555 Satellite Phone

Data Services Manual

Table of Contents

REVISION HISTORY	1
1 OVERVIEW	2
2 HOW IT WORKS.....	2
3 BEFORE INSTALLING.....	3
4 USB DRIVER INSTALLATION.....	4
4.1 Windows XP®	5
4.1.1 Uninstall USB Driver.....	5
4.1.2 Install USB Driver	10
4.2 Windows Vista®	13
4.2.1 Uninstall USB Driver.....	13
4.2.2 Install USB Driver	18
4.3 Windows 7®	22
4.3.1 Uninstall USB Driver.....	22
4.3.2 Install USB Driver	25
5 MODEM INSTALLATION AND CONFIGURATION.....	29
5.1 Important Considerations.....	29
5.2 Windows XP®	30
5.2.1 Install A Modem.....	30
5.2.2 Configure A Modem	34
5.3 Windows Vista®	42
5.3.1 Install A Modem.....	42
5.3.2 Configure A Modem	46
5.4 Window 7®	49
5.4.1 Install A Modem.....	49
5.4.2 Configure A Modem	53
5.5 Mac OS	55
5.5.1 Configure.....	55
6 DIALING A CALL.....	60
6.1 Before Dialing	60
6.2 Using Windows XP®	60
6.3 Using Windows Vista®	62
6.4 Using Windows 7®	63
6.5 Using Mac OS®	65
7 DATA CONNECTION SERVICES	66
7.1 Direct Internet	66
7.2 RUDICS	66

Revision History

Revision	Introduced in Data CD Version	Date	Author	Comment
1.0	H2CD0902	28 Sep 09	SM	Initial Version
2.0	H2CD1001	15 Jan 10	JB	Updated for HT10001, XP64b, Vista, Win7, Mac, included instructions on how to remove previous USB driver versions.
3.0	H2CD1004	15 Oct 10	PV	Placed in new format. Removed the publisher certificate error messages. Upgraded to be consistent with the launch of Direct Internet 3.

1 Overview

Iridium's 9555 Satellite Phone provides dial-up connectivity to another computer, a remote LAN (e.g., a corporate network), or an Internet Service Provider (ISP). This service offers a typical data rate of 2.4 Kbps. You will be able to use Dial-Up Data service just as you would use the modem on your computer to dial a call through the public switched telephone network (PSTN). The only differences are that the dialed telephone number must conform to the international dialing pattern used by Iridium, and that you will use your Iridium phone as the data modem. In essence, your Iridium phone appears as an external modem to your computer.

Before using Dial-Up Data, you will need to install the PPP modem driver onto your computer. This driver is provided on the Iridium 9555 Data CD (H2CD1001 or later) or from your Iridium Service Provider. This document provides detailed instructions on installing this driver.

Iridium 9555 Satellite Phone users must also install the Iridium 9555 USB (VCOMPORT) driver. This driver is available on the Iridium 9555 Data CD (H2CD1001 or later), the Iridium 9555 Firmware Upgrade Tool (HT10001 or later) or your Iridium Service Provider. This document provides detailed instructions on installing this driver.

Upon installation of these drivers, you will be able to use standard software applications (e.g., Microsoft Dial-Up Networking) to initiate data calls with the Iridium Dial-Up Data Service.

2 How It Works

The Iridium Dial-Up Data Service functions in much the same way as a modem. From the perspective of your computer, the Iridium handset *is* an external modem. On your computer, you will configure a dial-up networking connection. As part of that connection, you will identify the modem associated with the Iridium handset and the phone number to dial. Then, in dial-up networking you will enter your user name and password to access your data service and you will initiate the connection. Your handset will dial and initiate a connection with the Iridium gateway through the Iridium satellite constellation. Since your Iridium handset is requesting to establish a data connection, the switch at the gateway will route the call through to the data service you have dialed. Once connected and a session has been established, you can access data services such as email, web browsing or FTP just as you would over a standard modem.

The following sections of this document will provide instructions on exactly how to do this.

3 Before Installing

Before beginning the installation, please ensure you have the following items:

- 1) An Iridium 9555 Handset
- 2) The Iridium 9555 Data CD (H2CD1001 or later)
- 3) USB Cable (Standard to Mini connectors)
- 4) An available USB port on your computer (e.g., COM3)
- 5) Administrator Privileges



Any zip archive should be expanded prior to copying to target PC.

4 USB Driver Installation

Prior to using the data modem features of your 9555 handset, you must first install the VCOMPORT 9555 USB Driver. This driver is compatible with the following operating systems:

Operating Systems
32 bit versions of Windows XP® Service Pack 2 & 3
64-bit versions of Windows XP® Service Pack 1
32 & 64 bit versions of Windows Vista® Service Pack 1
32 & 64 bit versions of Windows 7®
Users are not required to install a USB driver for Mac OS® X 10.4 - 10.6 (earlier versions of the Mac OS® operating system are not supported)

For updated information regarding compatibility with other Windows® operating systems, please contact your Iridium Service Provider.

The driver is located in the following directory on your Iridium 9555 Data CD:

Iridium 9555 Data CD: **\\9555 Drivers\\VCOMPORT**

4.1 Windows XP®



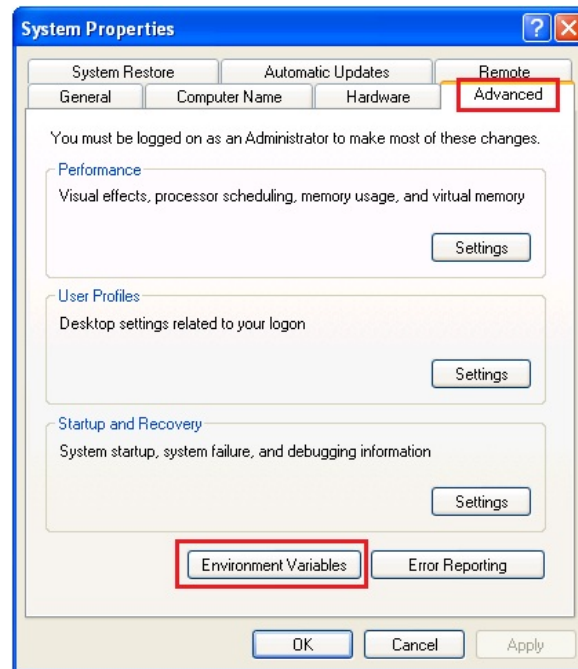
Users with a previous version of the USB driver already installed must first follow the **Uninstall USB Driver** procedure (4.1.1). Users who have never installed the USB driver may proceed to the **Install USB Driver** procedure (4.1.2).

4.1.1 UNINSTALL USB DRIVER

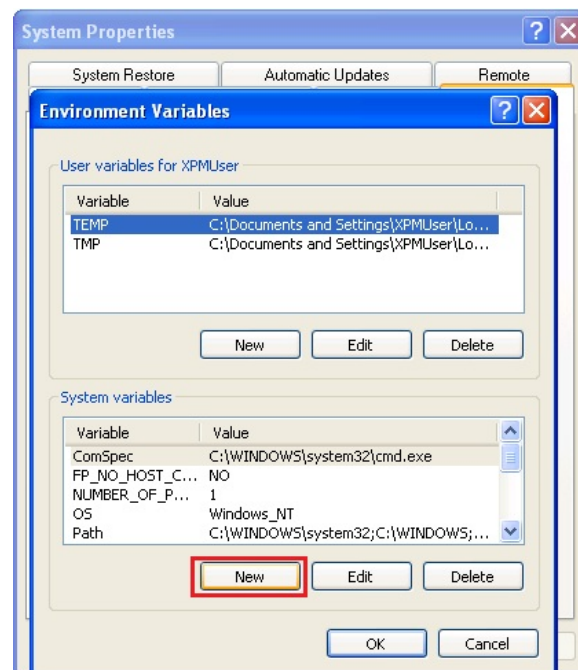
- 1) Go to **Start** and right-click **My Computer** and select **Properties**.



- 2) Click the **Environmental Variables** button from the **Advanced** tab in the **System Properties** dialog box.



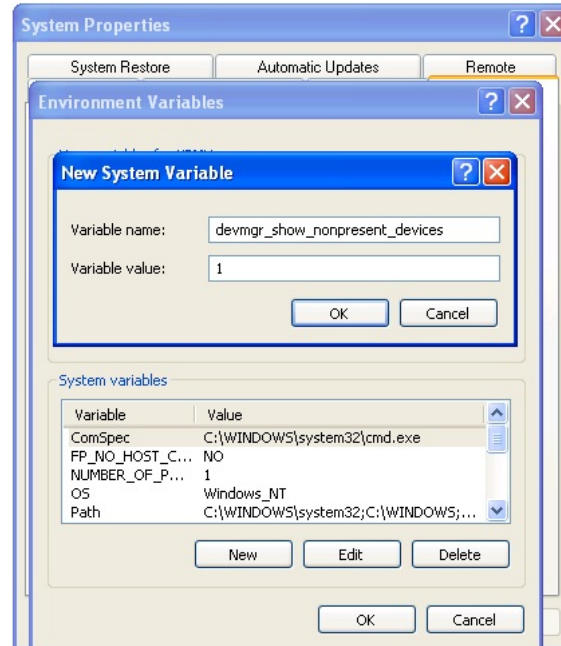
- 3) Click the **New** button under the **System variables** area in the **Environment Variables** dialog box.



4) Enter the following information in the **New System Variable** dialog box:

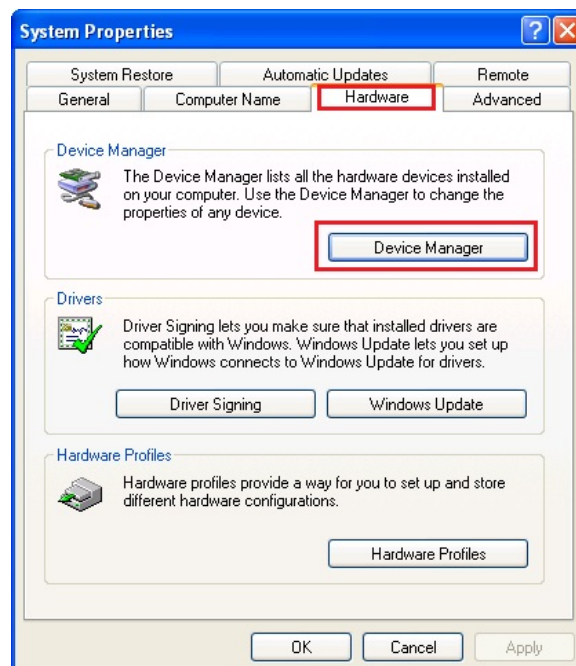
Variable Name: **devmgr_show_nonpresent_devices**

Variable Value: **1**

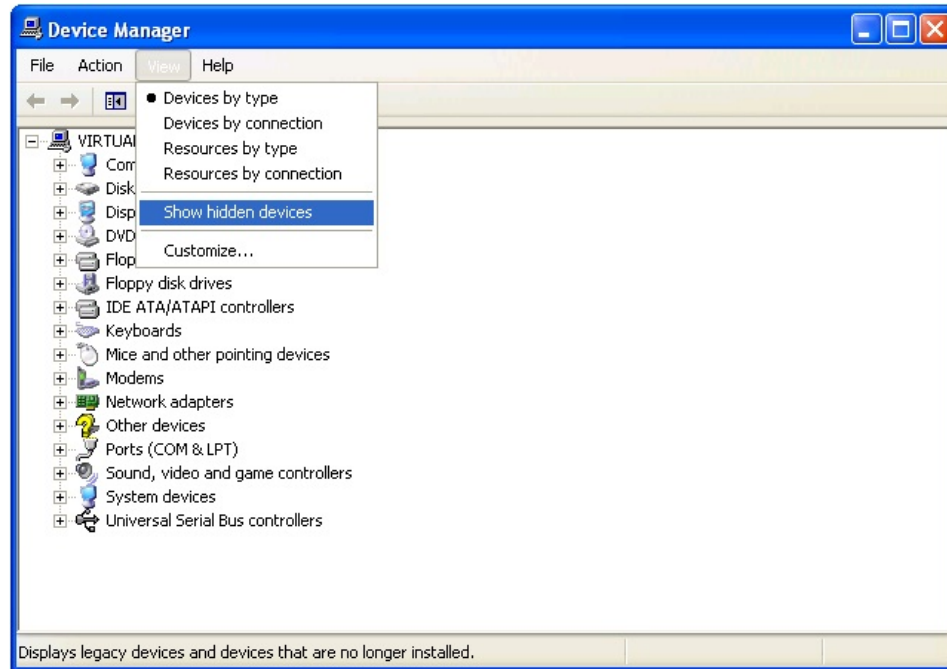


5) Click **OK** in the **New System Variable** and **Environment Variable** dialog boxes.

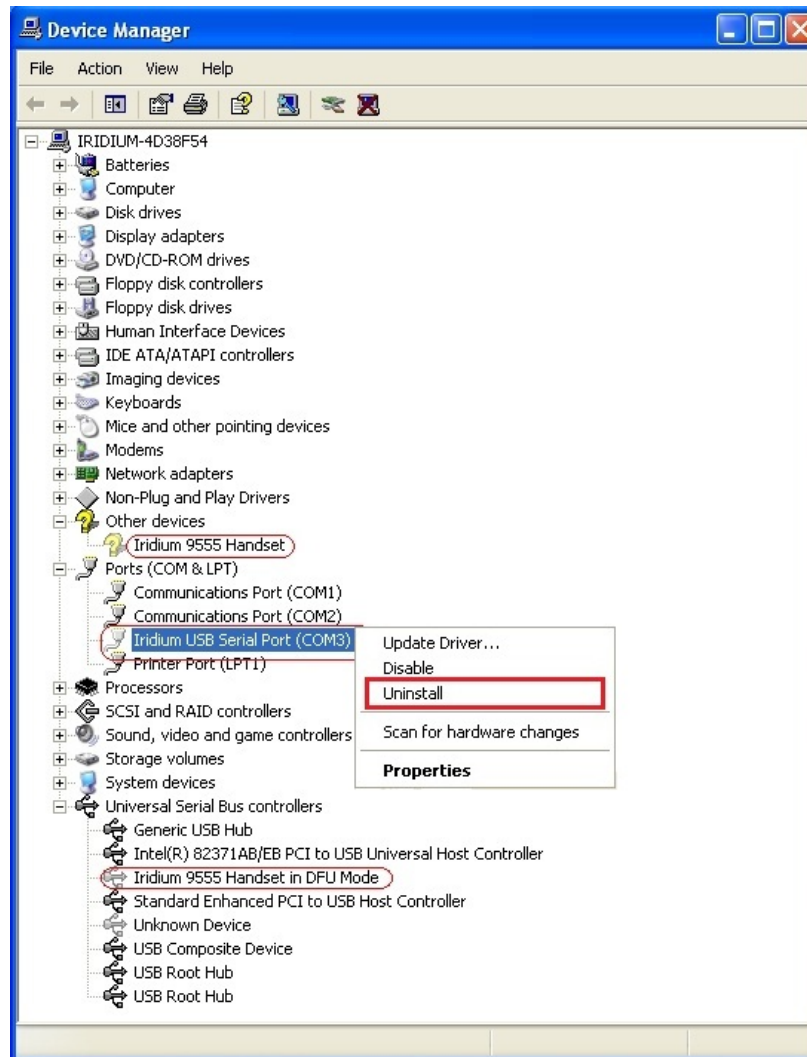
6) Click the **Device Manager** button from the **Hardware** tab in the **System Properties** dialog box.



7) Select the **View** from the top menu and then select **Show Hidden Devices**.



- 8) Click on the **+** next to the **Other devices**, **Ports (COM & LPT)** and **Universal Serial Bus controllers** entries.
- 9) Right-click on any entries that have Iridium and click **Uninstall**.



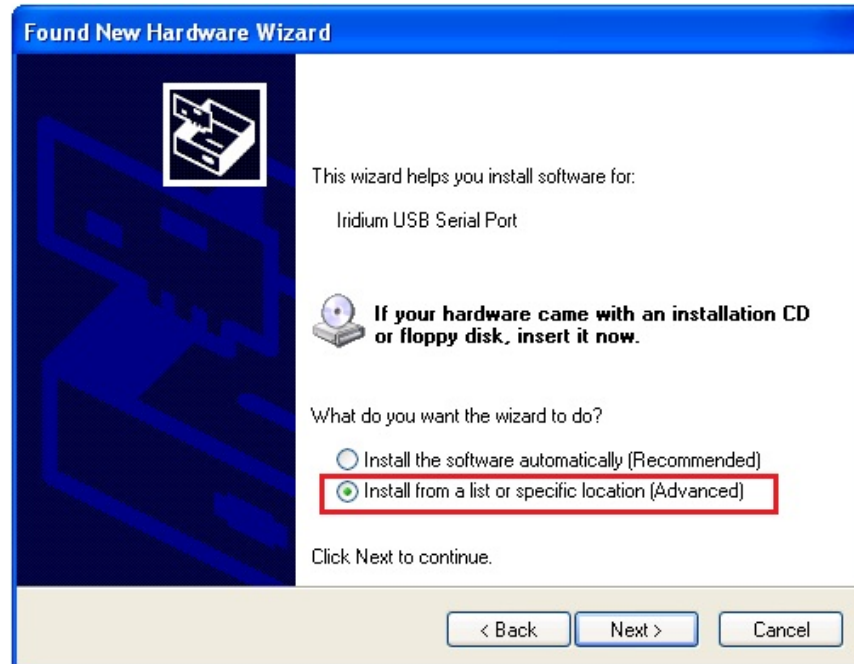
- 10) You should see all the previously installed 9505, 9505A and 9555 drivers.
- 11) Close all windows and restart the computer.

4.1.2 INSTALL USB DRIVER

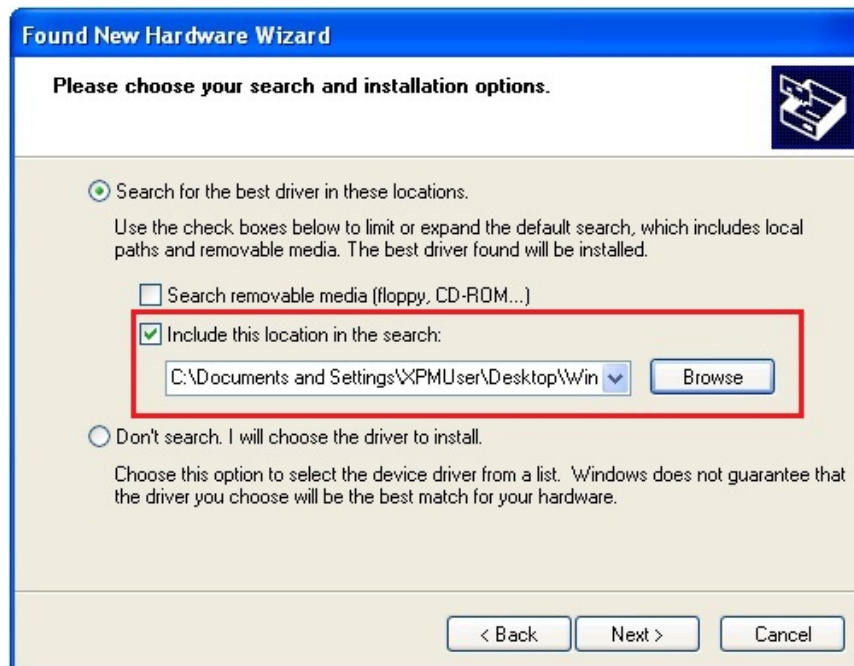
- 1) Ensure the PC is turned on and that a USB port is accessible.
- 2) From the 9555 Data CD, copy the **VCOMPORT** folder to the your desktop or local drive.
- 3) Power on the 9555 Handset
- 4) Connect the 9555 handset to the PC using the USB-mini cable.
- 5) At this time your PC should initialize the Found New Hardware Wizard. At the Welcome screen, select the radio button next to, **No, not at this time** and click **Next**.



- 6) Select **Install from a list of specific location (Advanced)** and click **Next**.



- 7) Select the radio button next to **Search for the best driver in these locations**. Select the check box next to **Include this location in the search**. Click on the **Browse** button to browse and select the **VCOMPORT** folder. Click the **Next** button when complete.



8) The wizard should then install software for the Iridium USB Serial Port.



9) Once the installation has completed, you will receive a message that the process has completed – click **Finish** to exit.



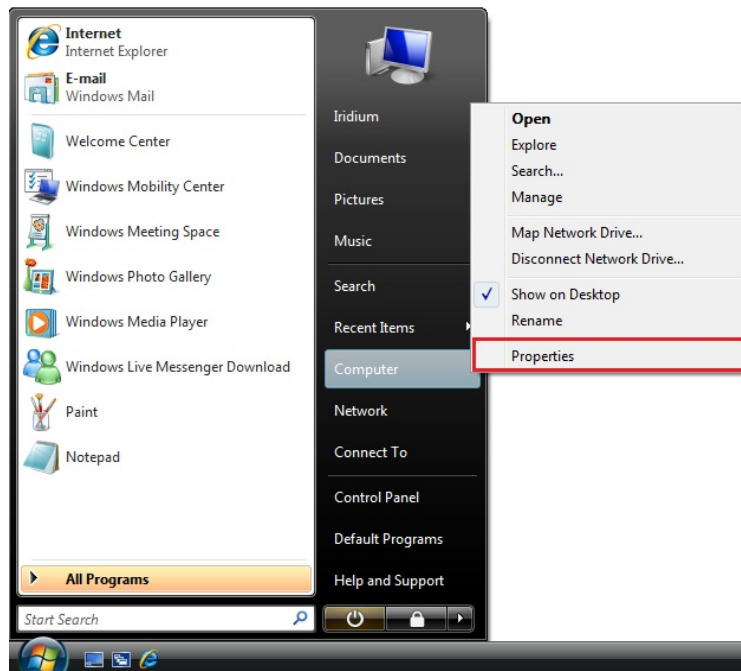
4.2 Windows Vista®



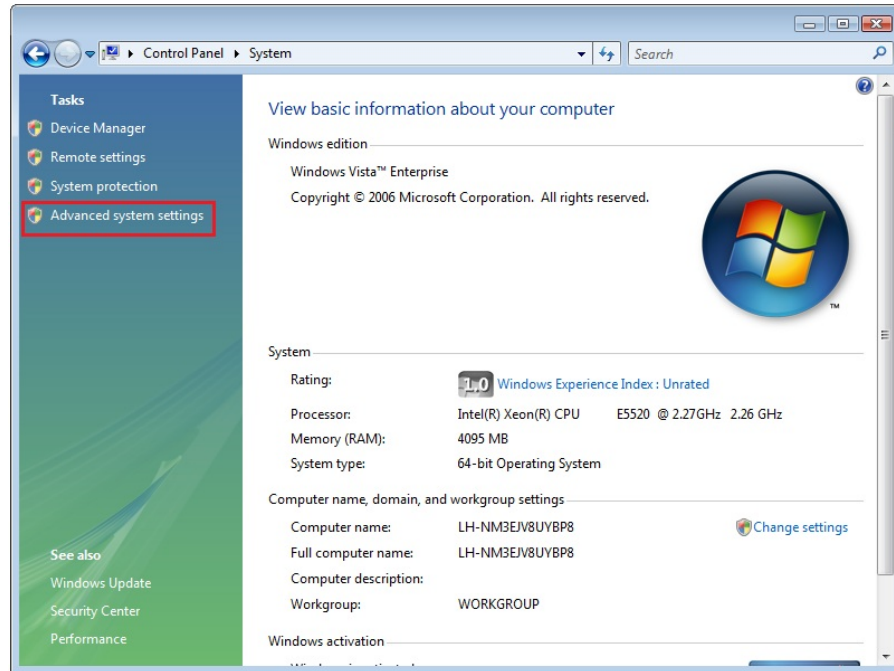
Users with a previous version of the USB driver already installed must first follow the **Uninstall USB Driver** procedure (4.2.1). Users who have never installed the USB driver may proceed to the **Install USB Driver** procedure (4.2.2).

4.2.1 UNINSTALL USB DRIVER

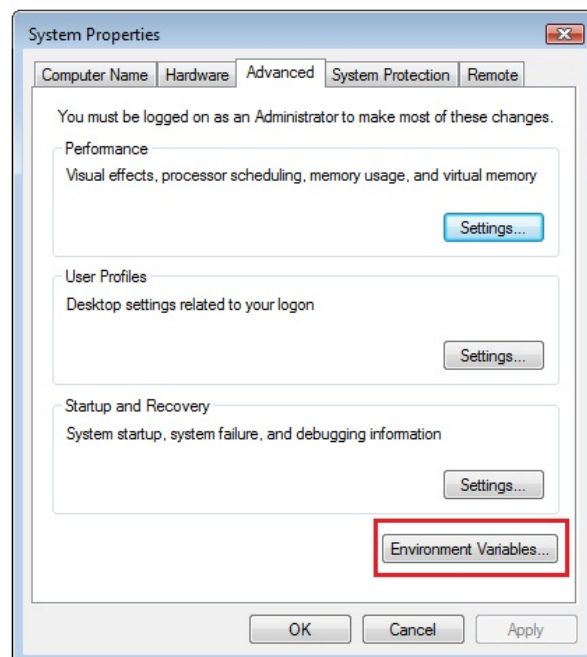
1) From the Windows® start menu, right-click on **Computer** and select **Properties**.



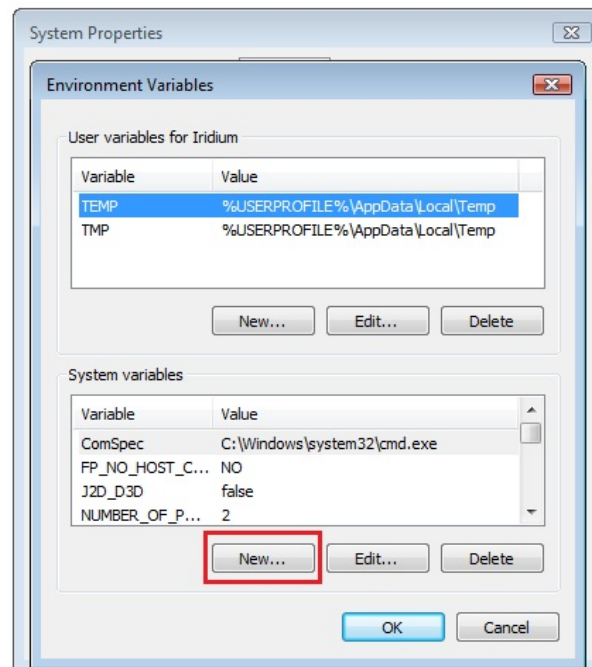
2) Select **Advanced system settings** from the left pane of the **Systems** windows.



3) Click the **Environment Variables...** button from the **Advanced** tab in the **System Properties** dialog box.



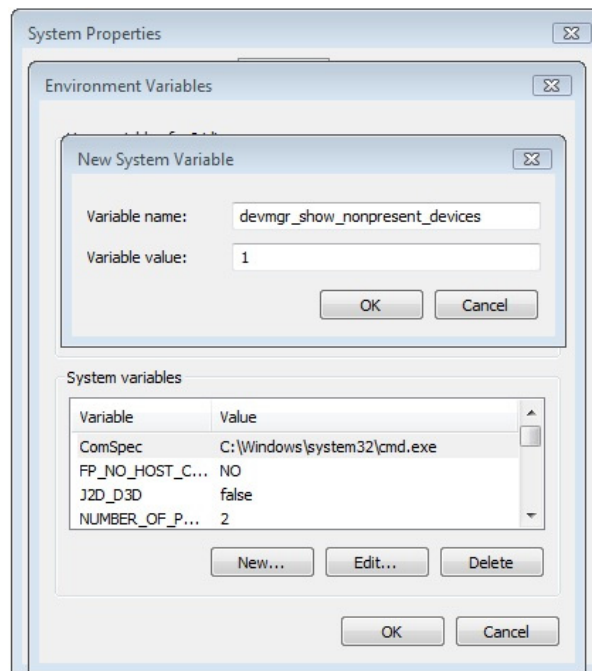
- 4) Click the **New...** button under the **System variables** area in the **Environment Variables** dialog box.



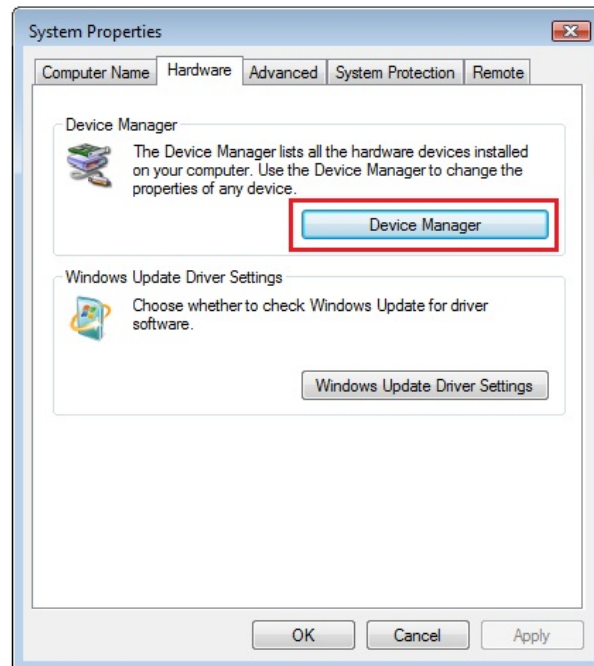
- 5) Enter the following information in the **New System Variable** dialog box:

Variable Name: **devmgr_show_nonpresent_devices**

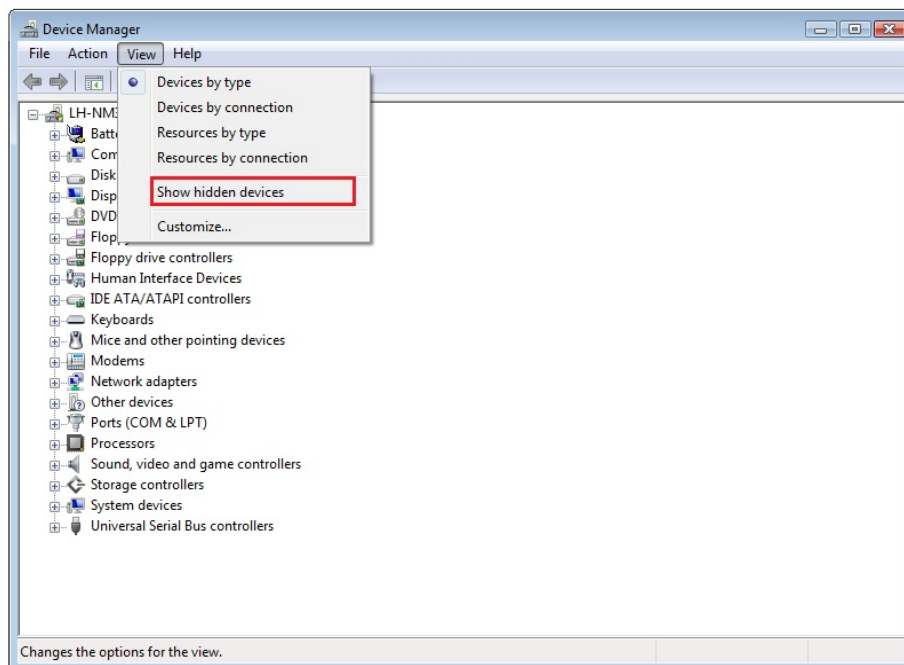
Variable Value: **1**



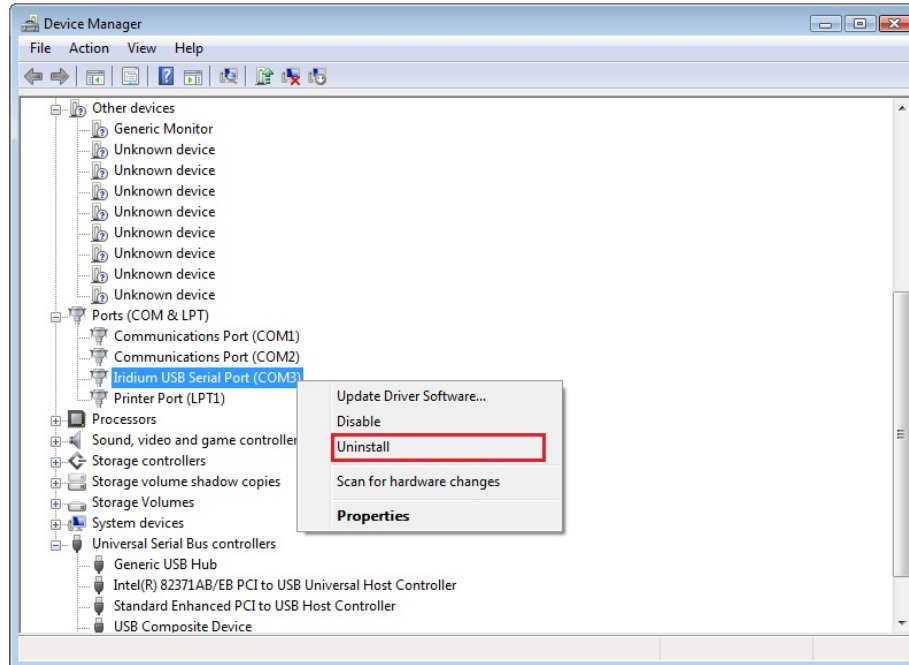
- 6) Select the **Hardware** tab in the **System Properties** dialog box and click the **Device Manager** button.



- 7) Select the **View** from the top menu and then select **Show Hidden Devices**.



- 8) Click on the **+** next to the **Other devices**, **Ports (COM & LPT)** and **Universal Serial Bus controllers** entries.
- 9) Right-click on any entries that have Iridium and click **Uninstall**.



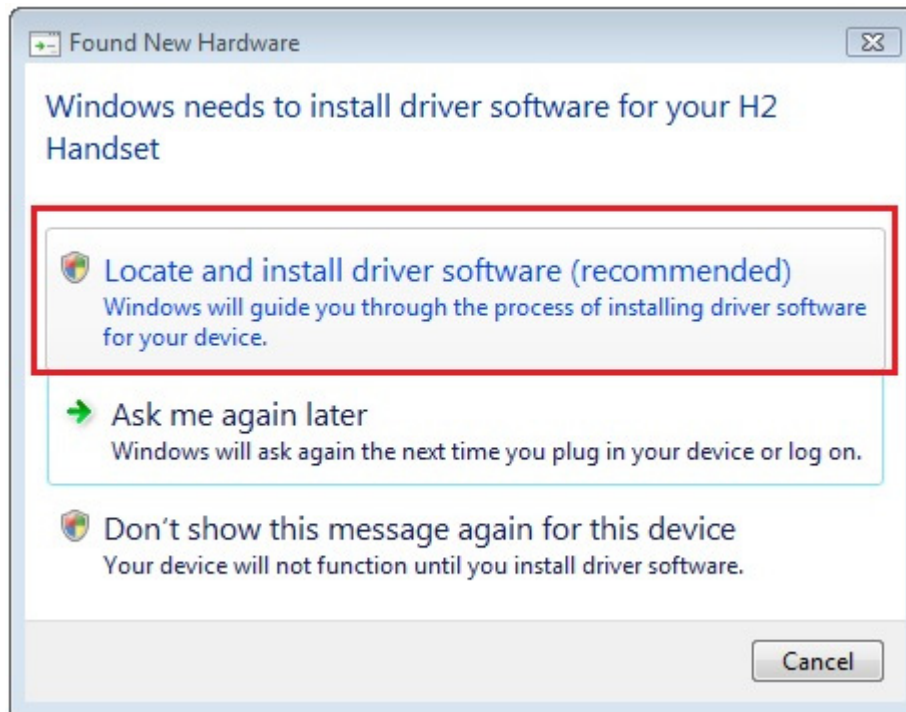
- 10) Select the check box **Delete the driver for this device** and click the **OK** button.



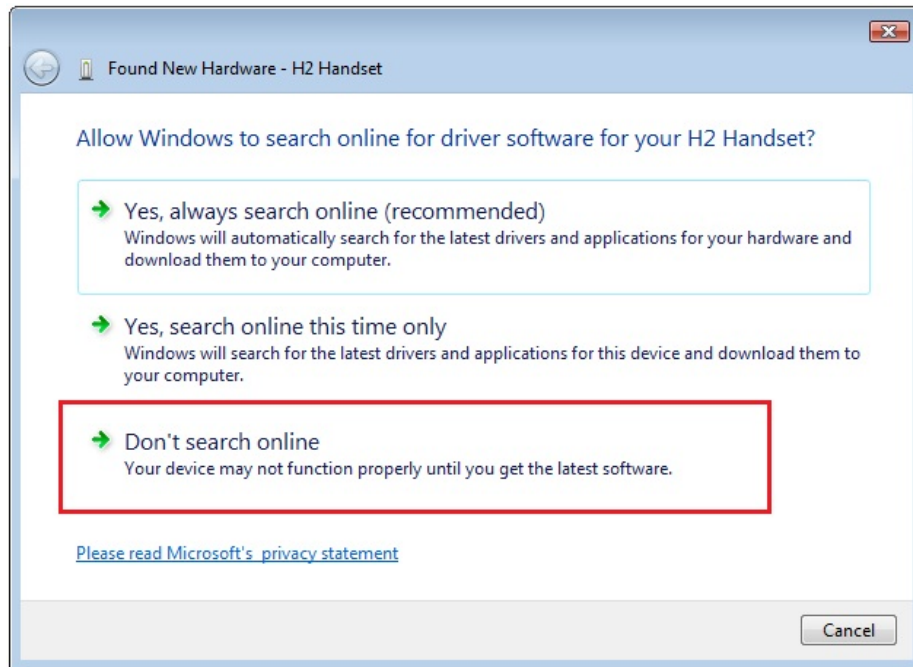
- 11) Close all open windows and restart the computer.

4.2.2 INSTALL USB DRIVER

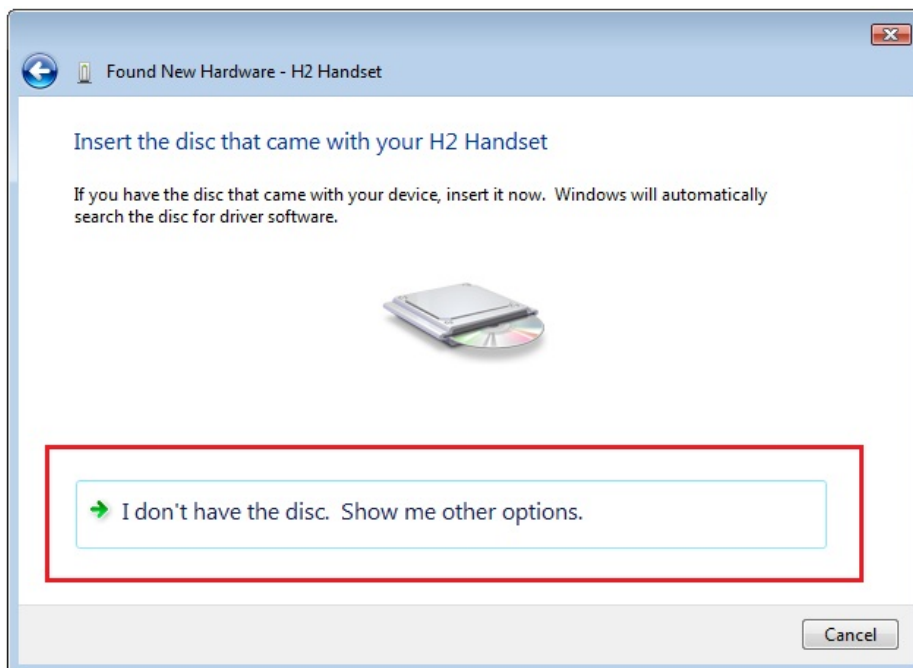
- 1) Ensure the PC is turned on and that a USB port is accessible.
- 2) From the 9555 Data CD, copy the **VCOMPORT** folder to the your desktop or local drive.
- 3) Power on the 9555 Handset
- 4) Connect the 9555 handset to the PC using the USB-mini cable.
- 5) At this time your PC should initialize the Found New Hardware Wizard. Select **Locate and install driver software (recommended)**.



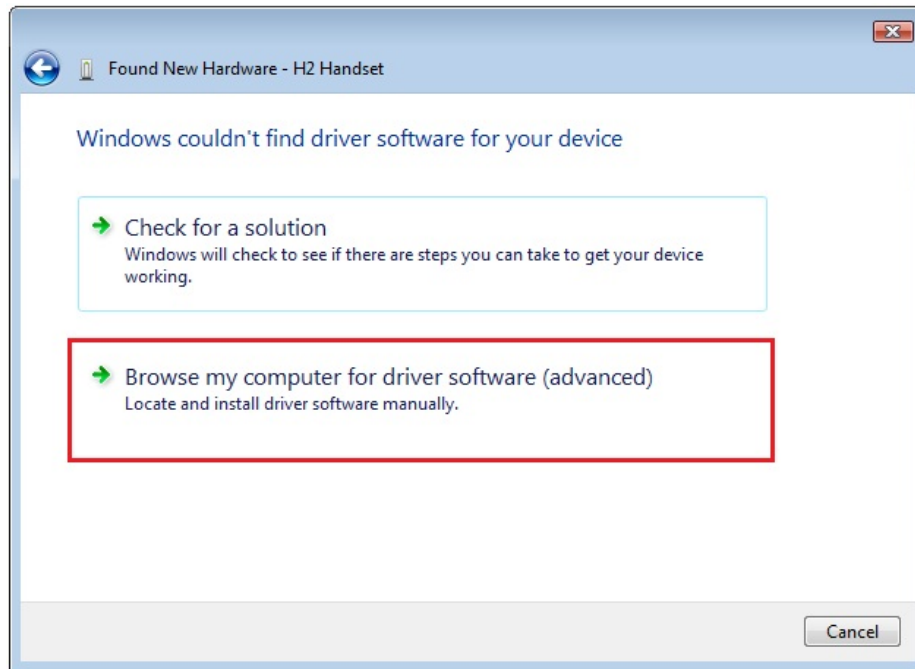
6) If prompted, select **Don't search online**.



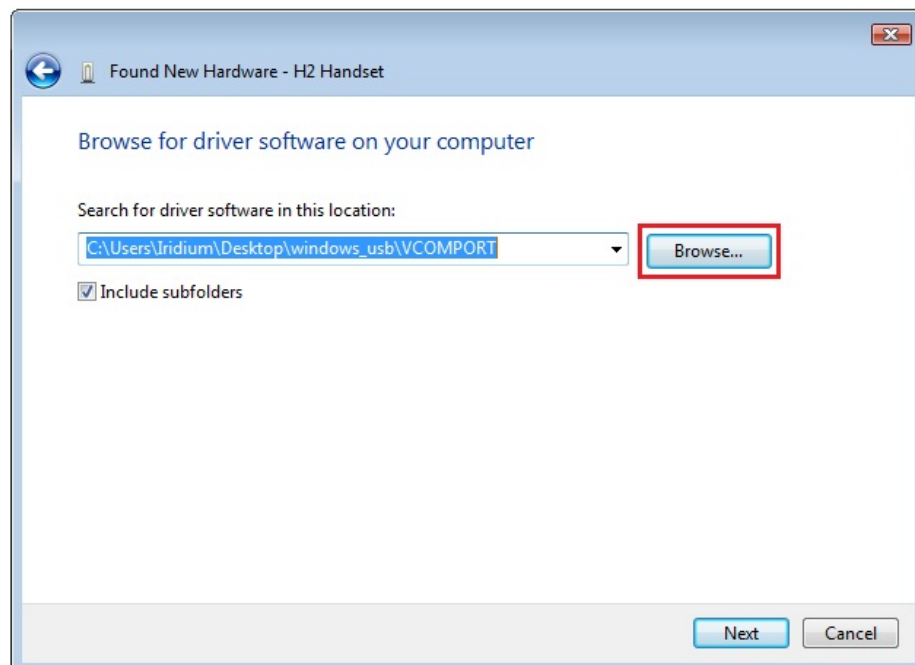
7) When prompted, select **I don't have the disc. Show me other options.**



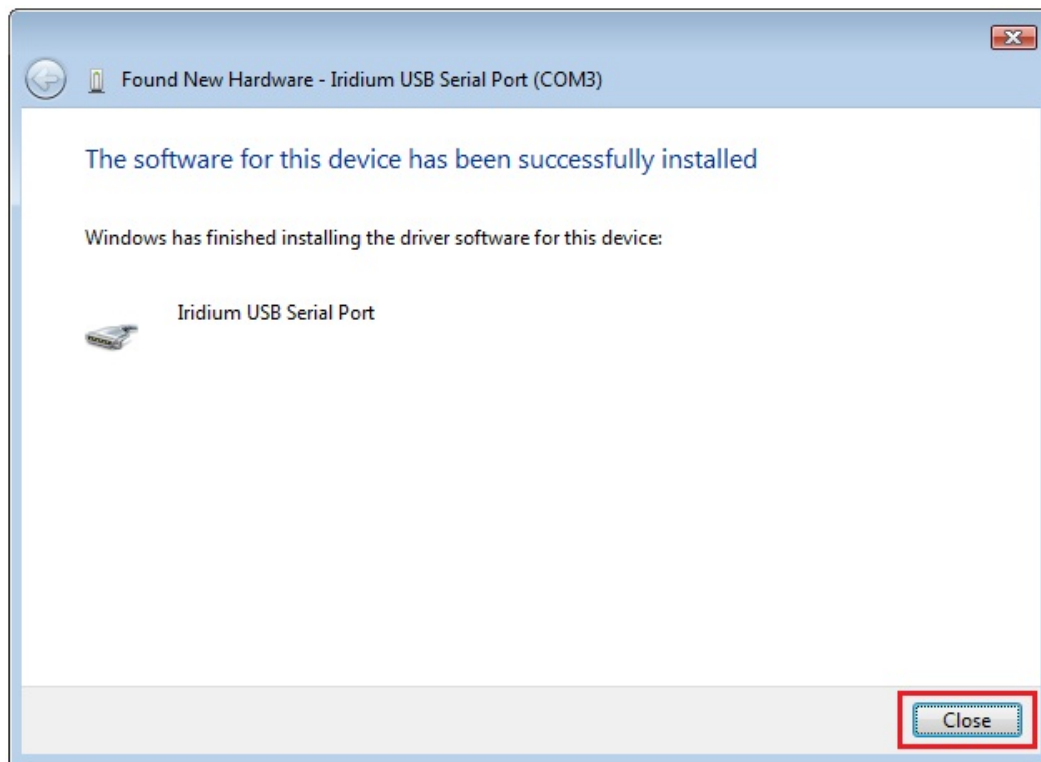
8) Select **Browse my computer for driver software (advanced)**



9) Use the **Browse** button to search and select the **VCOMPORT** folder from your desktop or local drive. Click the **Next** button to continue.



10) A message will appear when the driver has been successfully installed. Click the **Close** button.



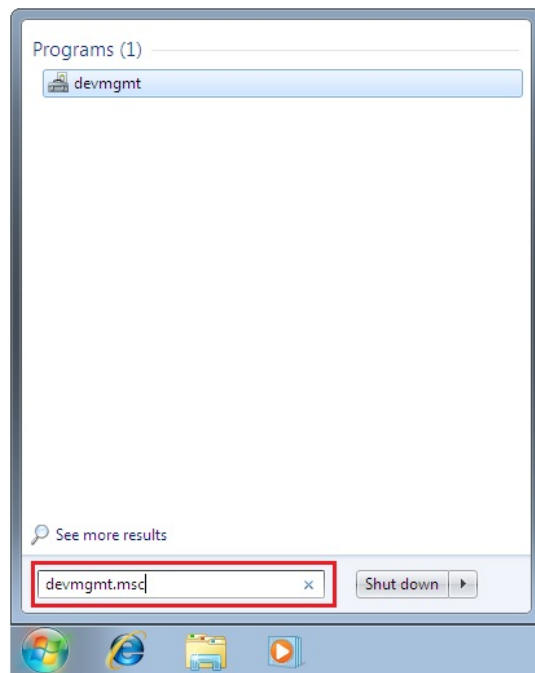
4.3 Windows 7®



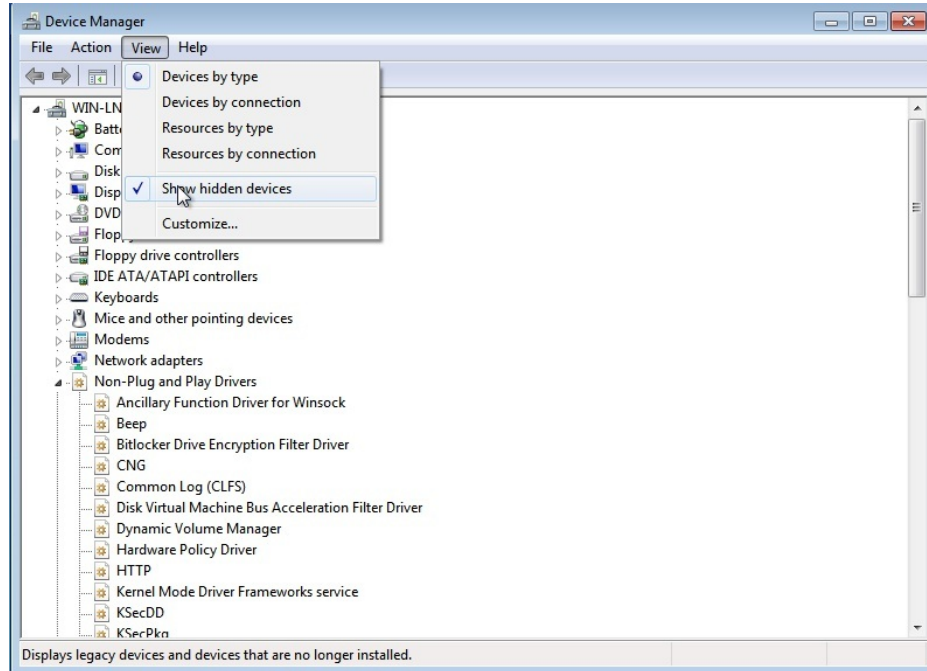
Users with a previous version of the USB driver already installed must first follow the **Uninstall USB Driver** procedure (4.3.1). Users who have never installed the USB driver may proceed to the **Install USB Driver** procedure (4.3.2).

4.3.1 UNINSTALL USB DRIVER

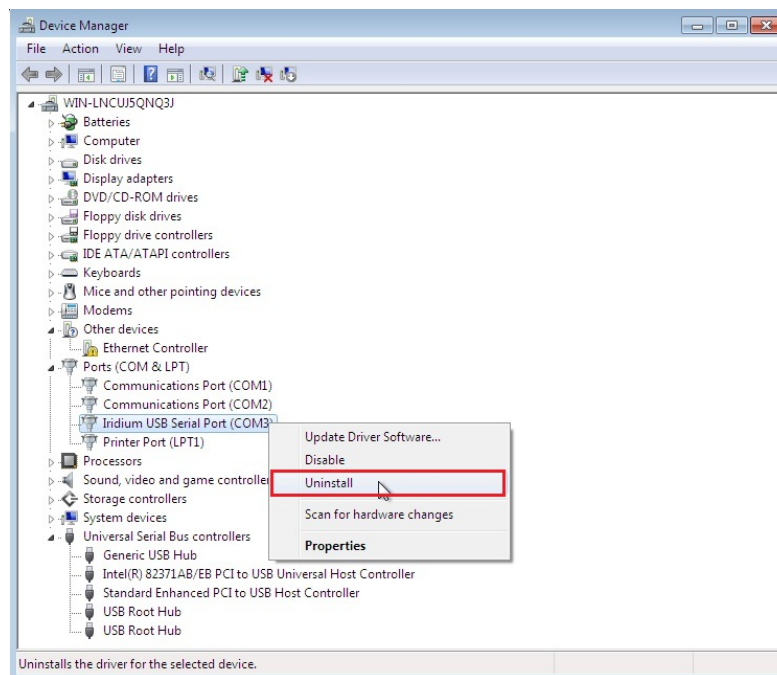
- 1) From the Windows® start menu, type **devmgmt.msc** in the Search text box and press the **Enter** key. This will open the **Device Manager** window.



- 2) Select **Show hidden devices** from the **View** menu on the top bar.



- 3) Click on the ► next to the **Other devices, Ports (COM & LPT)** and **Universal Serial Bus controllers** entries.
- 4) You should see all the previously installed 9505, 9505A and 9555 drivers.
- 5) Right-click on any entries you see which say Iridium and click **Uninstall**.



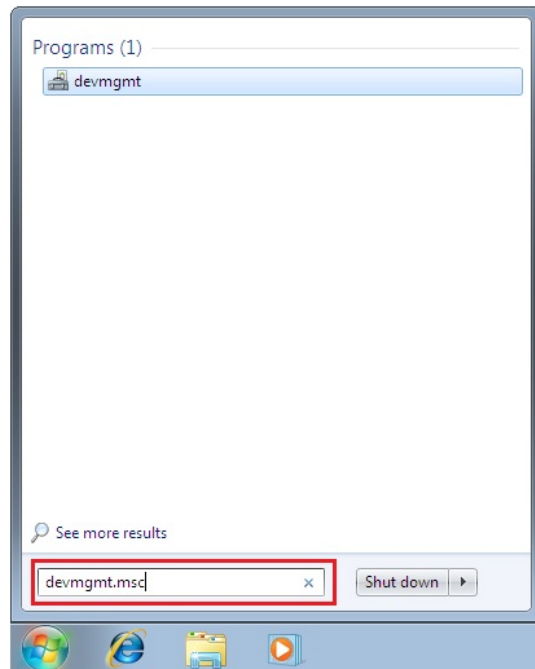
- 6) Select the checkbox next to the **Delete the driver software for this device** and click **OK**.



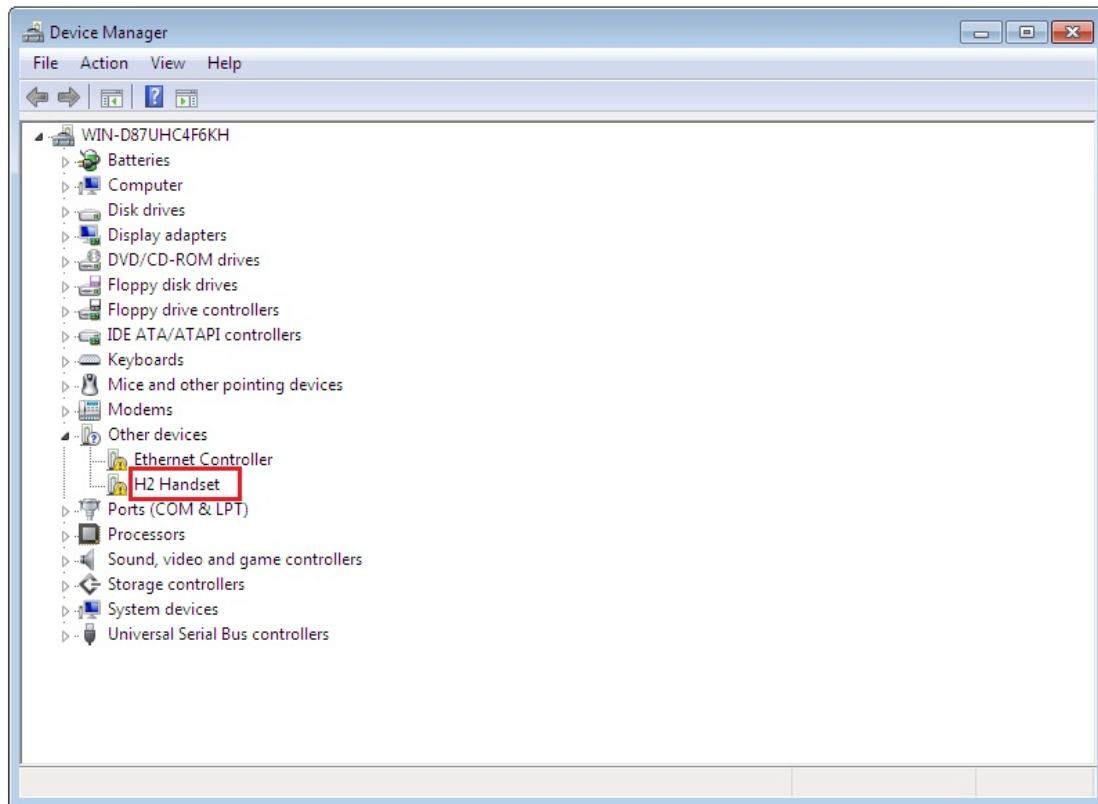
- 7) Reboot your computer after you have uninstalled all Iridium drivers.

4.3.2 INSTALL USB DRIVER

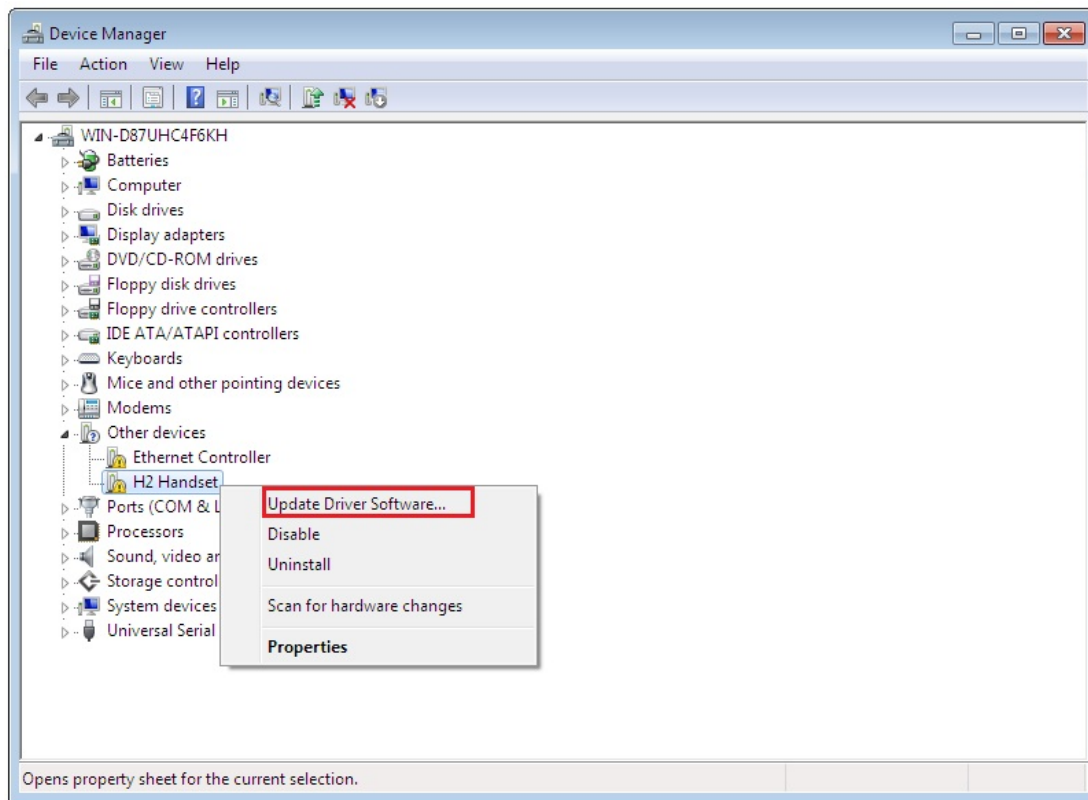
- 1) Ensure the PC is turned on and that a USB port is accessible
- 2) From the Iridium 9555 Data CD, copy the **VCOMPORT** folder to your desktop or local drive.
- 3) Power on the 9555 handset.
- 4) Connect the 9555 handset to the PC using the USB-mini cable.
- 5) From the Windows® start menu, type **devmgmt.msc** in the Search text box and press the **Enter** key on your keyboard. This will open the **Device Manager** window.



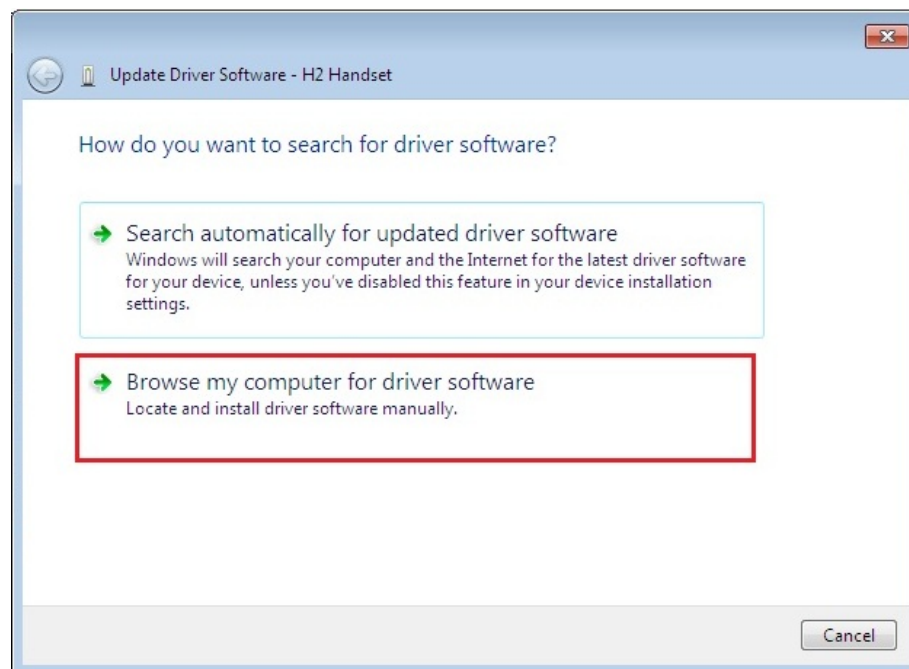
- 6) Locate the Iridium 9555 Handset (H2 Handset); it will probably be under **Other devices**.



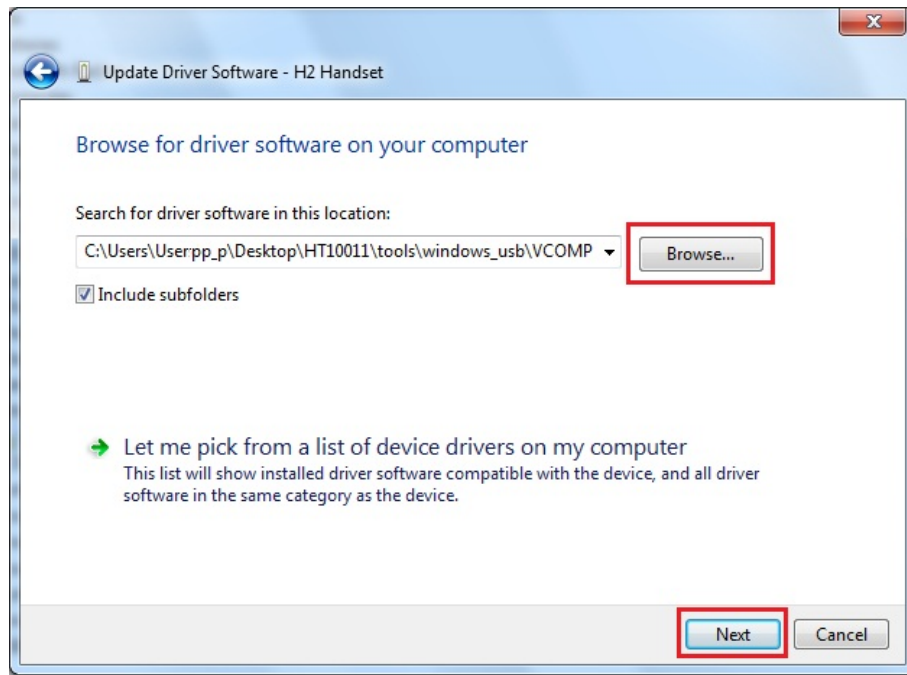
7) Right-click on the Iridium 9555 Handset icon and select **Update Driver Software...**



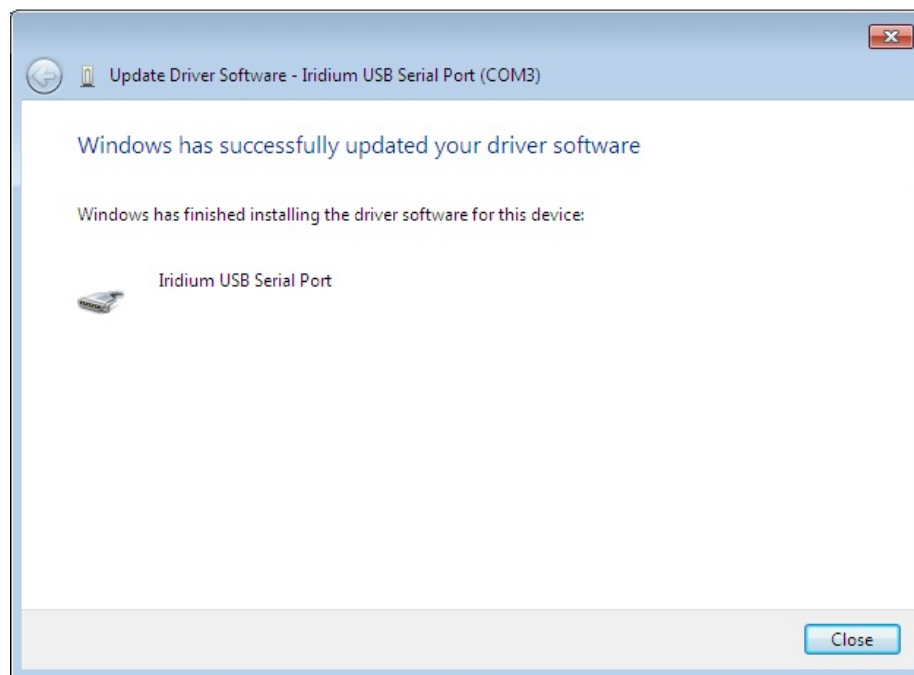
8) Select **Browse my computer for driver software**



- 9) Use the **Browse** button to search and select the **VCOMPORT** folder from your desktop or local drive. Click the **Next** button to continue.



- 10) A message will appear when the driver has been successfully installed. Click the **Close** button.



5 Modem Installation and Configuration

Prior to using your Iridium 9555 Satellite Phone as a modem, you must install the Iridium PPP Data Modem on your computer (disregard this step for Windows Vista® operating system users) and set up and configure a dial-up networking connection.



The following instructions are **NOT** intended for Direct Internet 3 users. Modem installation and configuration for Direct Internet 3 is done through the Direct Internet 3 Installer. Please refer to the Direct Internet 3 Install Guide for your operating system.

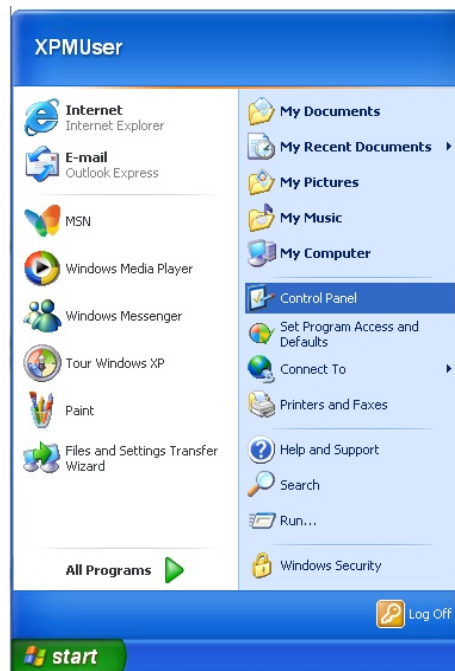
5.1 Important Considerations

- In the dial-up networking connection, TCP/IP should be the only enabled network protocol. You must have an available serial port on your computer (e.g., COM1).
- You must have Administrator privileges if using the Windows XP® Professional or Windows Vista® operating system.
- The iridium.INF driver is automatically copied into the Windows\INF folder during setup of Direct Internet 3 (see section 7). Users that have not run the Direct Internet 3 setup may retrieve the file from the Iridium 9555 Data CD (H2CD1001 or later) and copy it manually to the Windows\INF folder (disregard this step for Windows Vista® operating system users). The iridium.INF file can be found in the following directory on the Iridium 9555 Data CD:
 - Iridium 9555 Data CD: **\9555 Drivers\Modem**
- If the “Iridium PPP Data Modem” is not available, the “Standard 19200 bps” modem can be used but must be configured with the following “extra initialization string”, which sets the correct bearer service for the connection:
AT+CBST=71,0,1

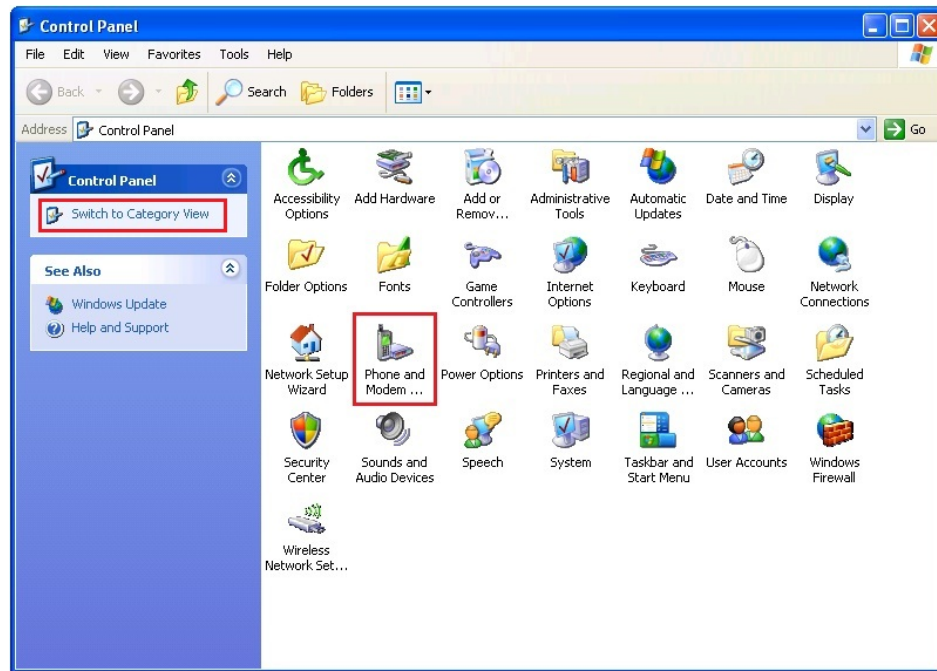
5.2 Windows XP®

5.2.1 INSTALL A MODEM

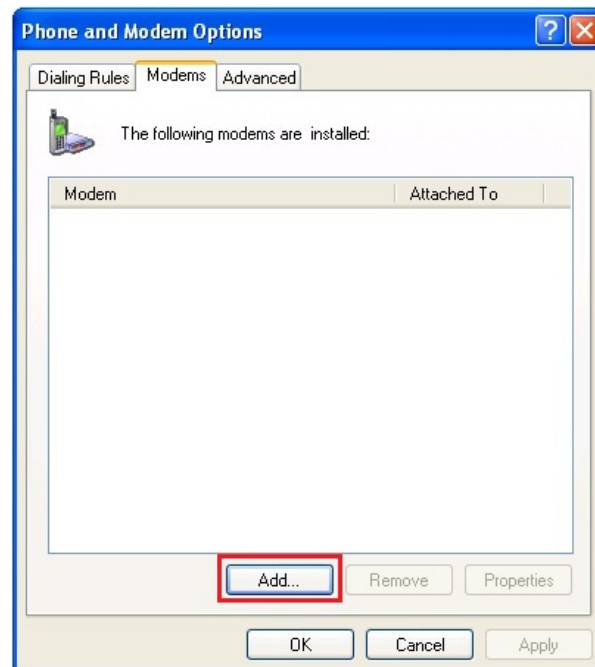
- 1) Close all applications.
- 2) Select **Control Panel** from the Windows® start menu.



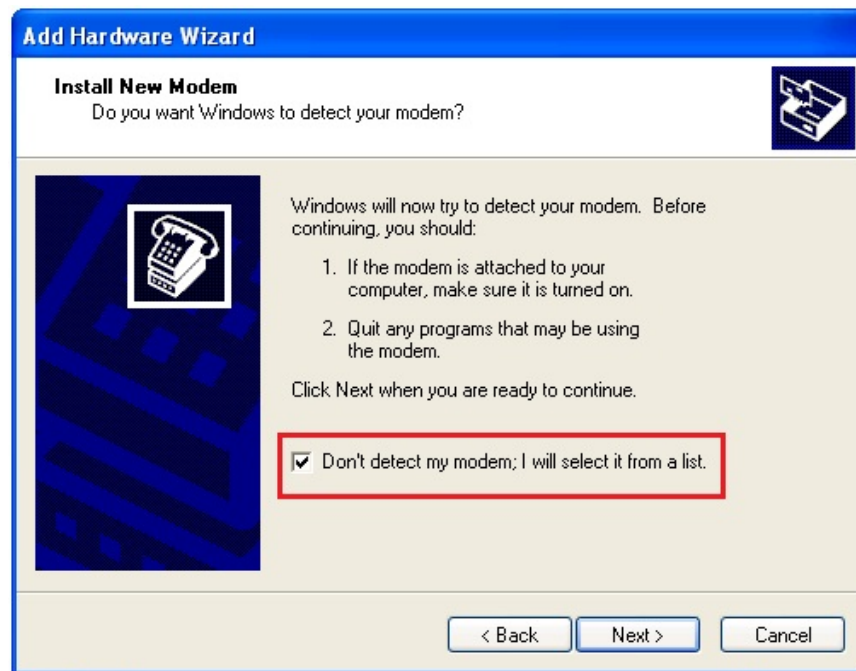
- 3) Double click on **Phone and Modem Options** from the **Control Panel** window.
(Make sure **Control Panel** is classic view.)



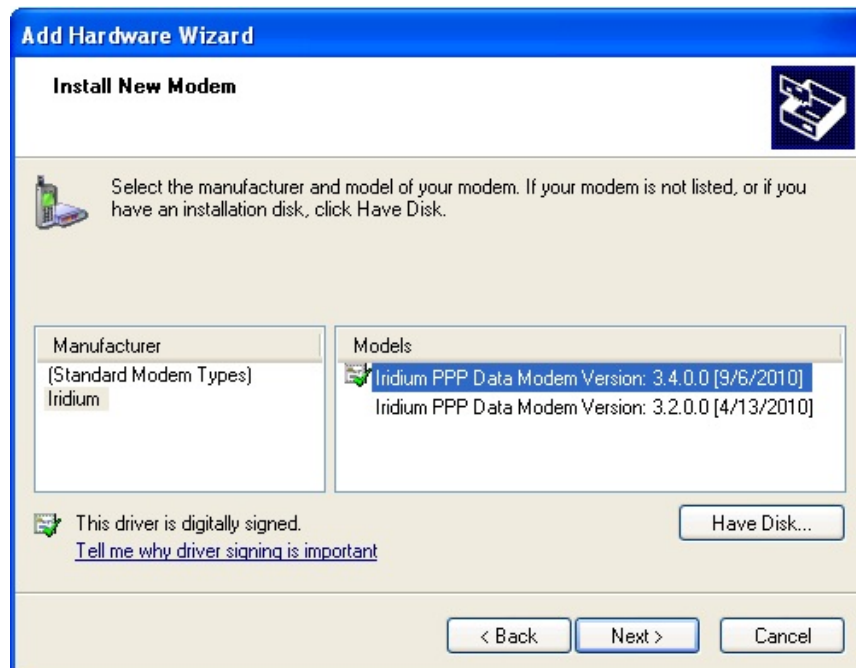
- 4) Click **Add...** from the **Modems** tab in the **Phone and Modems Options** dialog box.



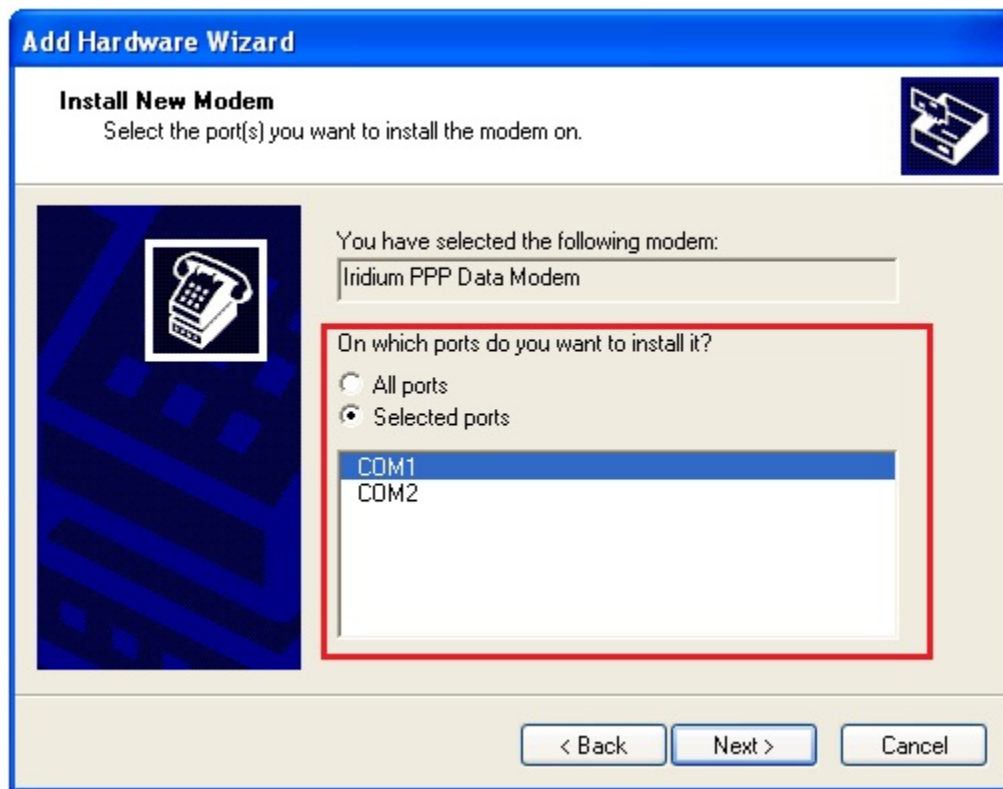
- 5) Select the checkbox next to **Don't detect my modem; I will select it from the list.** Then, click the **Next>** button.



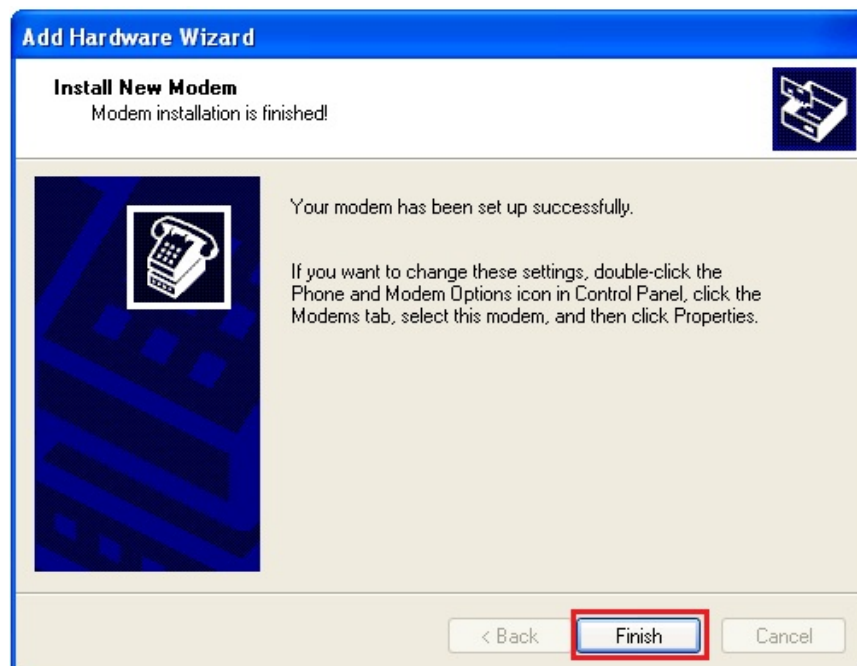
- 6) Highlight **Iridium** from the Manufacturer list. Then, select latest **Iridium PPP Data Modem** from the Models list. Click the **Next>** button to continue.



- 7) Click the **Selected ports** radio button. Choose an available COM Port (e.g., COM1) that will connect to the Iridium device. Click the **Next>** button to continue.

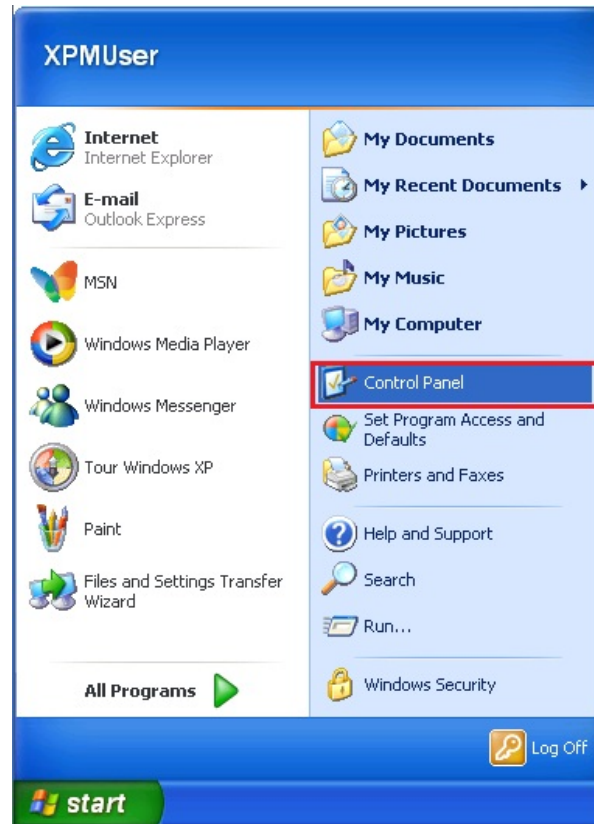


- 8) Click the **Finish** button once the installation completes.

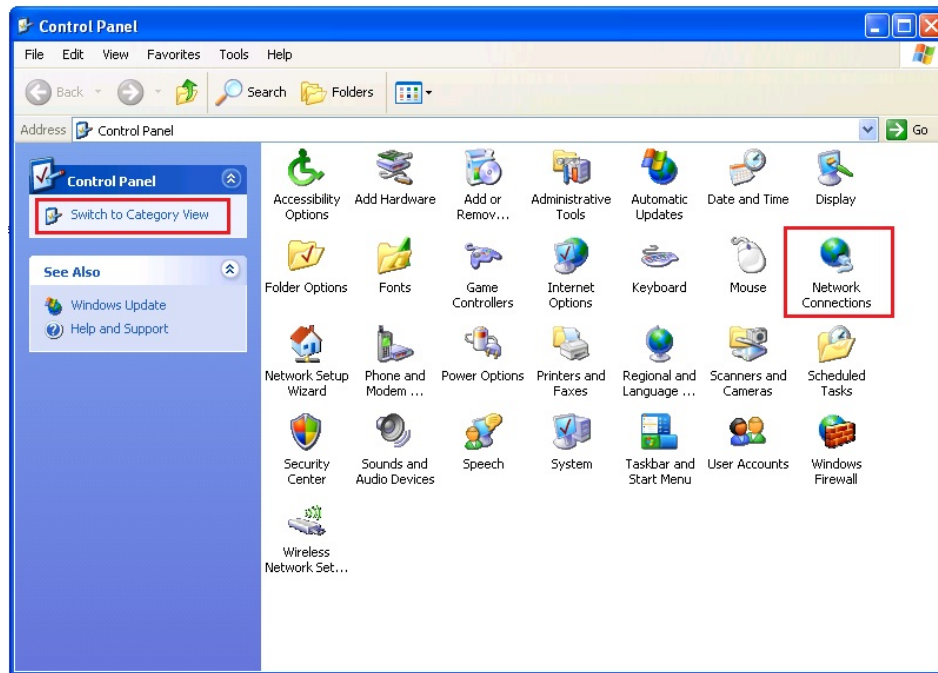


5.2.2 CONFIGURE A MODEM

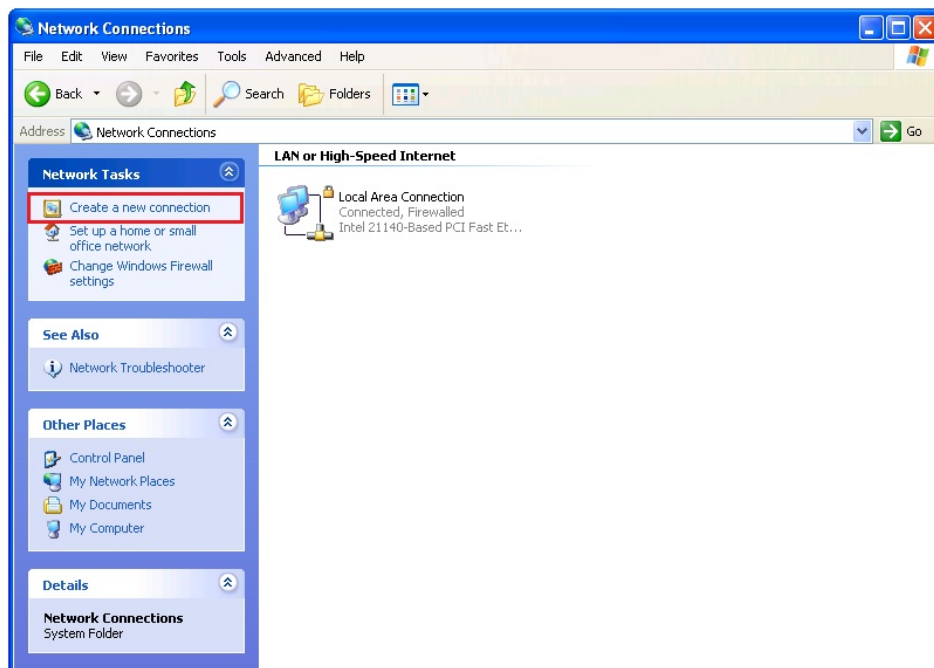
1) Select **Control Panel** from the Windows® start menu.



- 2) Select **Network Connections** from the **Control Panel** window. (Make sure you are using the Classic View)



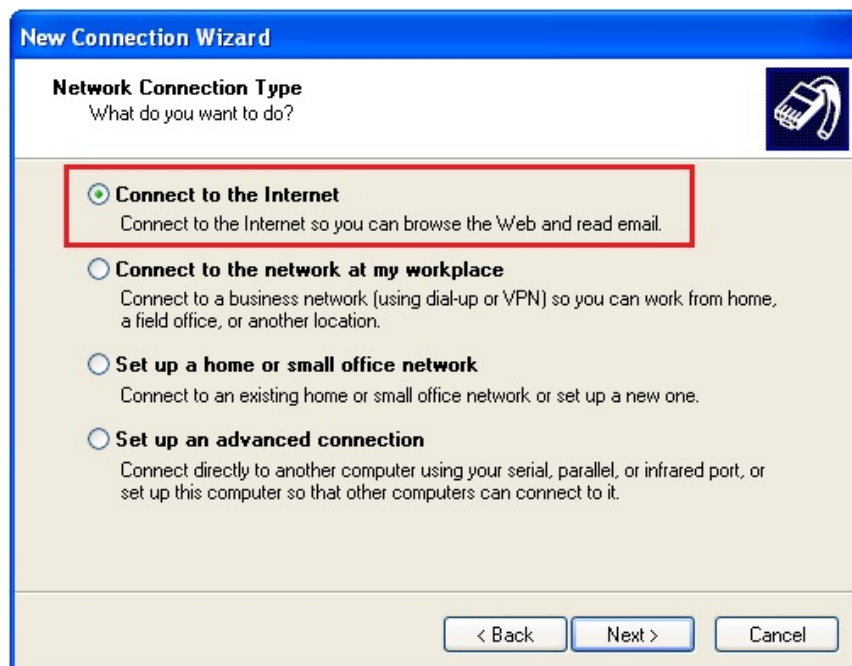
- 3) Click on **Create a new connection** from the **Network Tasks** section located on the left pane of the **Network Connections** window.



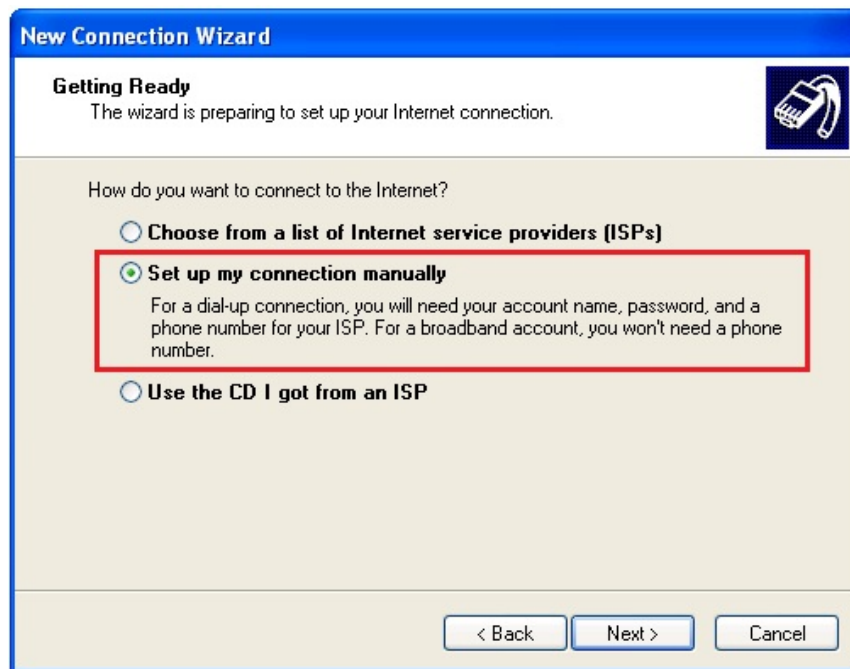
4) Click the **Next>** button on the **New Connection Wizard** welcome screen.



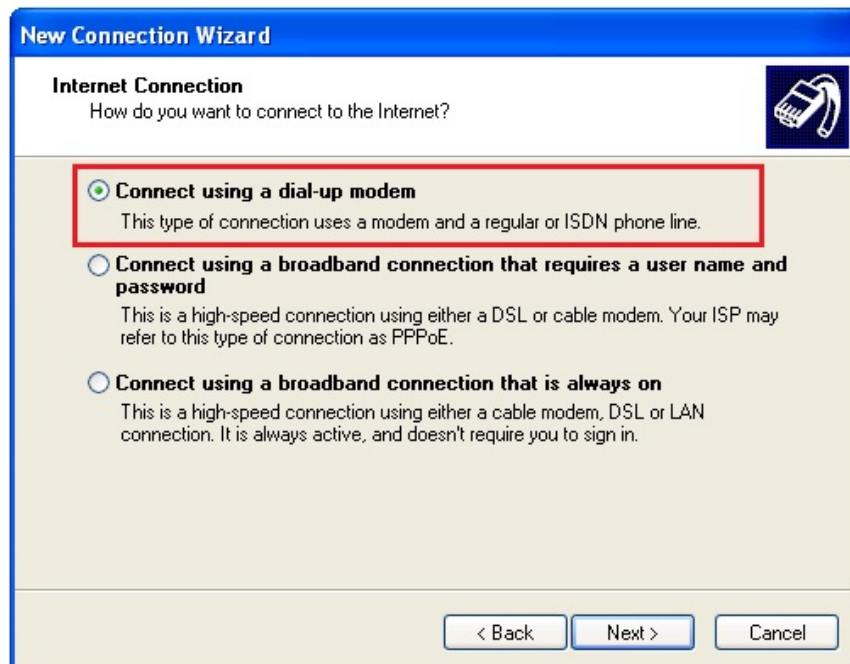
5) Select the radio button next to **Connect to the Internet**. Click the **Next>** button to continue.



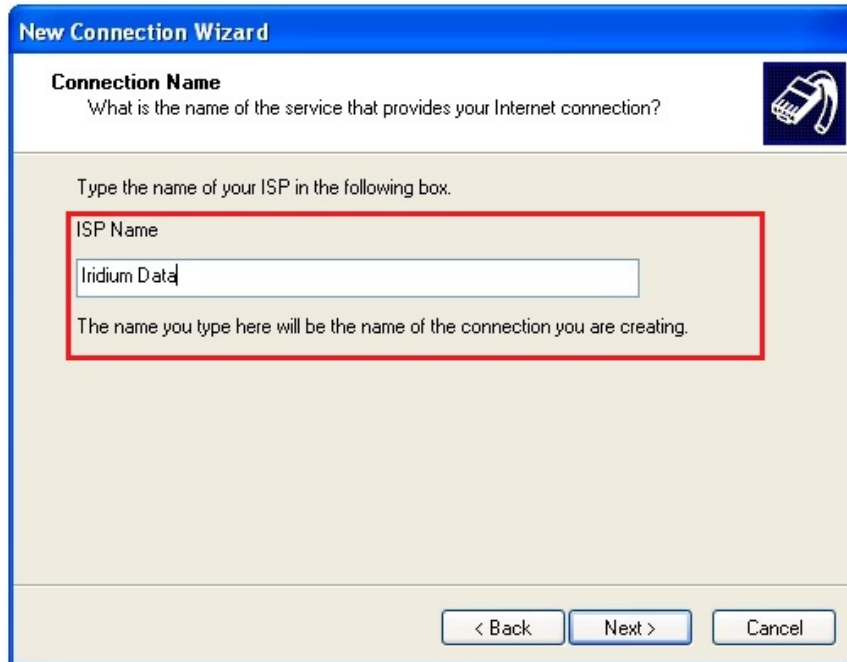
- 6) Select the radio button next to **Set up my connection manually**. Click the **Next>** button to continue.



- 7) Select the radio button next to **Connect using a dial-up modem**. Click the **Next>** button to continue.



8) Enter an appropriate name for the connection.



The screenshot shows the 'New Connection Wizard' window. The title bar is blue with the text 'New Connection Wizard'. The main window has a light beige background. At the top, there's a section titled 'Connection Name' with a small icon of a modem. Below the title, it asks 'What is the name of the service that provides your Internet connection?'. A text box is provided for the user to enter the ISP name. The text 'Iridium Data' is entered in the text box. Below the text box, it says 'The name you type here will be the name of the connection you are creating.' At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

New Connection Wizard

Connection Name
What is the name of the service that provides your Internet connection?

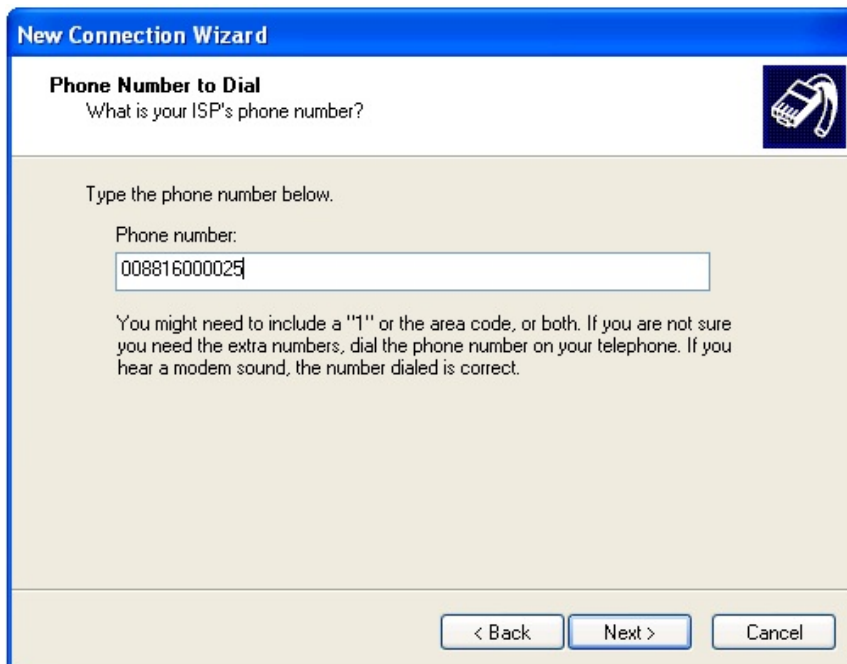
Type the name of your ISP in the following box.

ISP Name
Iridium Data

The name you type here will be the name of the connection you are creating.

< Back Next > Cancel

9) Enter your Internet Service Provider or assigned RUDICS dial-up telephone number.
Click the **Next** button to continue.



The screenshot shows the 'New Connection Wizard' window. The title bar is blue with the text 'New Connection Wizard'. The main window has a light beige background. At the top, there's a section titled 'Phone Number to Dial' with a small icon of a modem. Below the title, it asks 'What is your ISP's phone number?'. A text box is provided for the user to enter the phone number. The text '008816000025' is entered in the text box. Below the text box, it says 'You might need to include a "1" or the area code, or both. If you are not sure you need the extra numbers, dial the phone number on your telephone. If you hear a modem sound, the number dialed is correct.' At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

New Connection Wizard

Phone Number to Dial
What is your ISP's phone number?

Type the phone number below.

Phone number:
008816000025

You might need to include a "1" or the area code, or both. If you are not sure you need the extra numbers, dial the phone number on your telephone. If you hear a modem sound, the number dialed is correct.

< Back Next > Cancel

- 10) A window may appear to select either **Anyone's use** or **My use only** for Windows XP® Professional Edition users. Select any option and click the **Next>** button to continue.
- 11) Enter the User name and Password provided by your Internet Service Provider. Click the **Next>** button to continue.



The screenshot shows a Windows XP 'New Connection Wizard' window. The title bar is blue with the text 'New Connection Wizard'. The main area has a light beige background. At the top, there's a section titled 'Internet Account Information' with a small icon of a mobile phone. Below the title, it says 'You will need an account name and password to sign in to your Internet account.' The main text area contains instructions: 'Type an ISP account name and password, then write down this information and store it in a safe place. (If you have forgotten an existing account name or password, contact your ISP.)' There are three text input fields: 'User name:', 'Password:', and 'Confirm password:'. Below these are two checked checkboxes: 'Use this account name and password when anyone connects to the Internet from this computer' and 'Make this the default Internet connection'. At the bottom right, there are three buttons: '< Back', 'Next >', and 'Cancel'.

New Connection Wizard

Internet Account Information
You will need an account name and password to sign in to your Internet account.

Type an ISP account name and password, then write down this information and store it in a safe place. (If you have forgotten an existing account name or password, contact your ISP.)

User name:

Password:

Confirm password:

☒ Use this account name and password when anyone connects to the Internet from this computer

☒ Make this the default Internet connection

< Back Next > Cancel

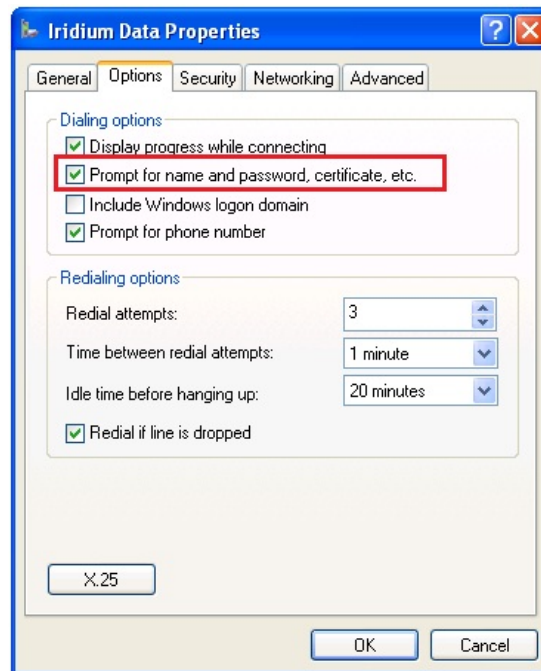
12) To access this connection quickly, it is recommended that the checkbox next to the **Add a shortcut to this connection to my desktop** is selected. Click the Finish button.



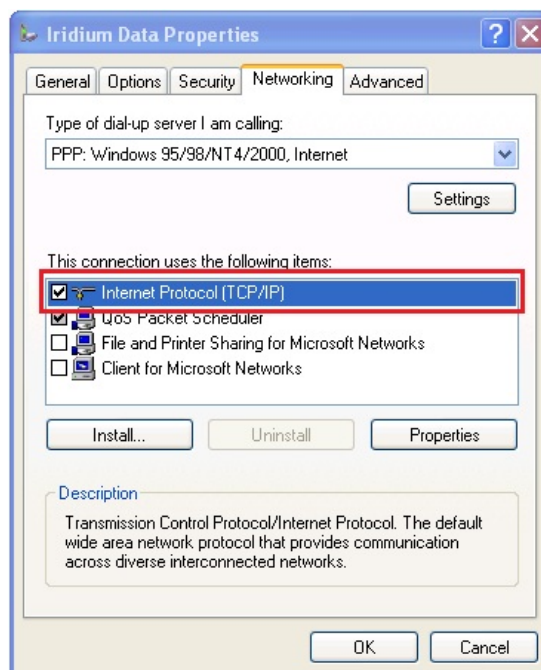
13) A dial-up connection window will appear. Click on the **Properties** button.



- 14) For RUDICS or ISPs that don't require a User name or password, uncheck the **Prompt for name and password, certificate, etc.** checkbox in the **Options** tab of **Properties** dialog box.



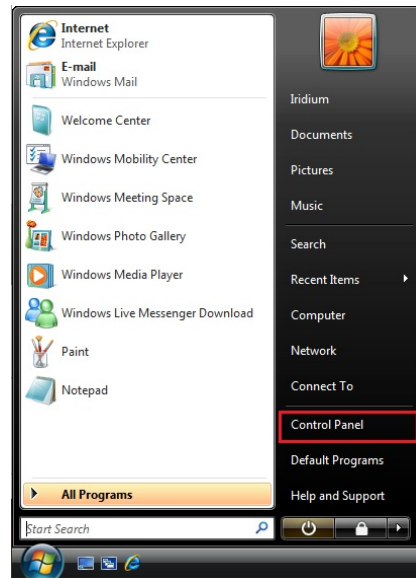
- 15) Make sure **Internet Protocol (TCP/IP)** is checked in the **Networking** tab. Uncheck all other components. Click the **OK** button and close all windows when done.



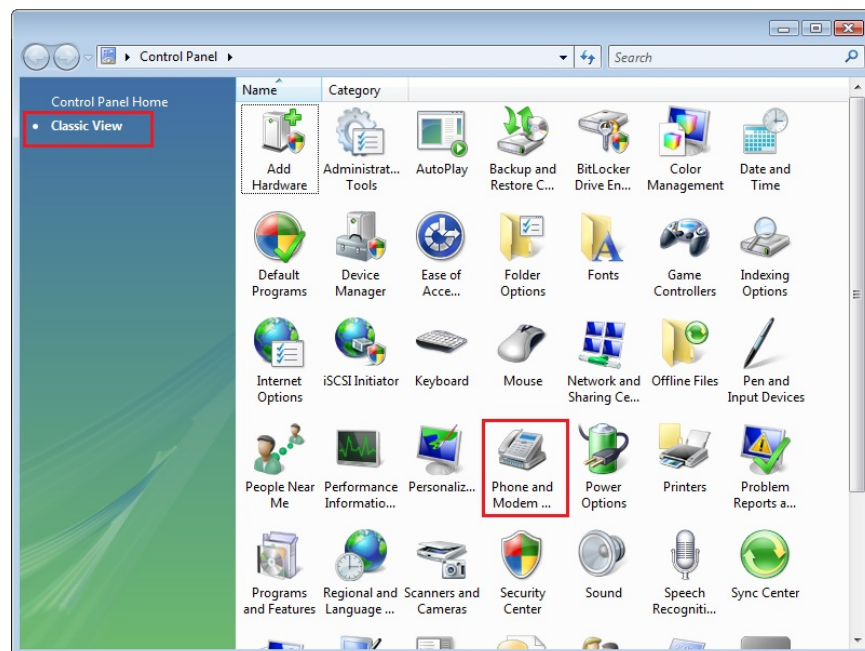
5.3 Windows Vista®

5.3.1 INSTALL A MODEM

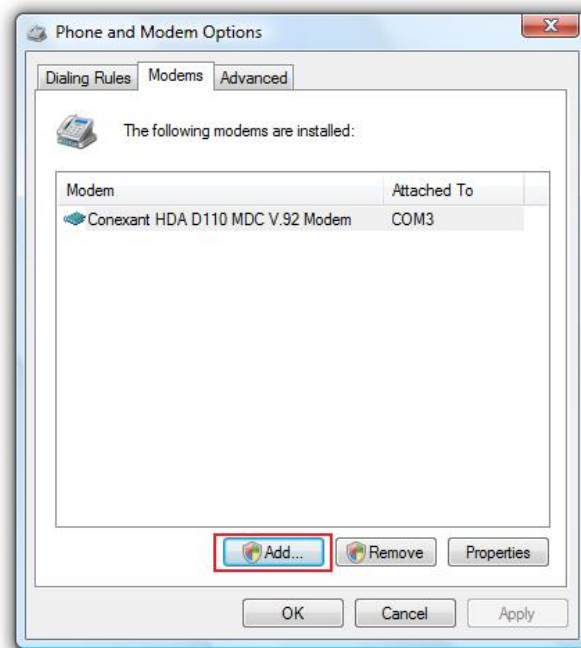
- 1) Close all applications.
- 2) Select **Control Panel** from the Windows® start menu.



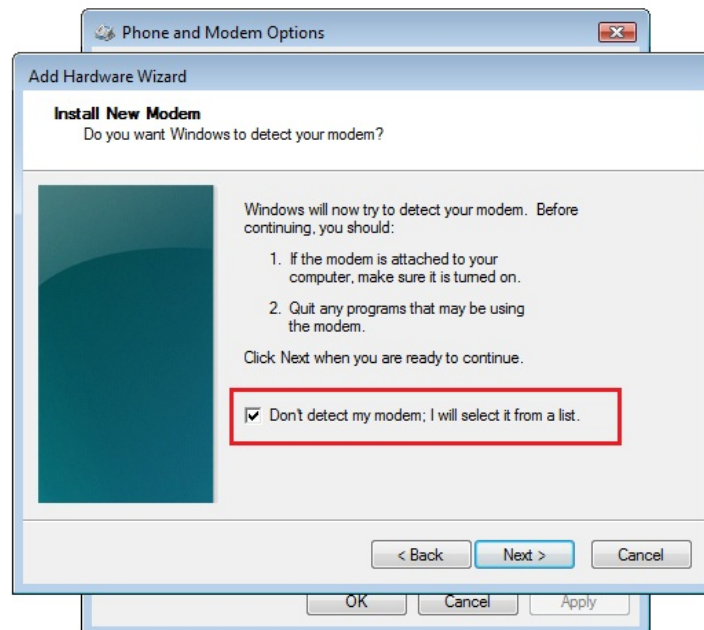
- 3) Select the **Phone and Modem Options** from the **Control Panel** window. (Make sure you are using the Classic View)



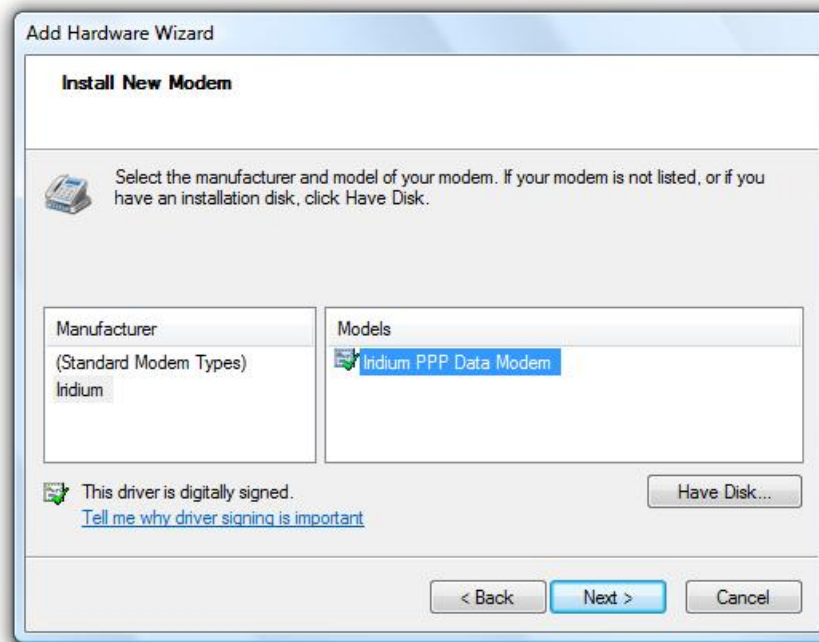
- 4) Click the **Add...** button from the **Modems** tab in the **Phone and Mode Options** dialog box.



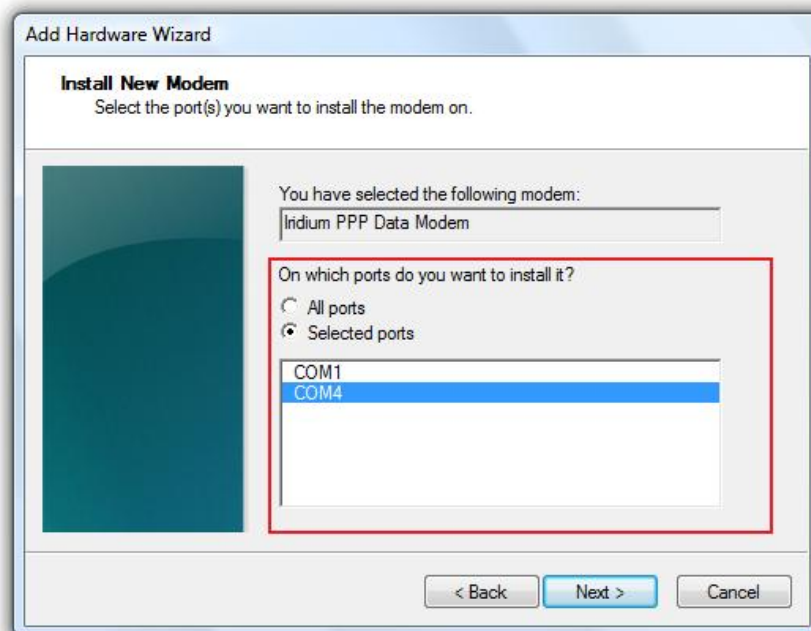
- 5) Select the checkbox next to **Don't detect my modem; I will select it from the list.** Then, click the **Next>** button.



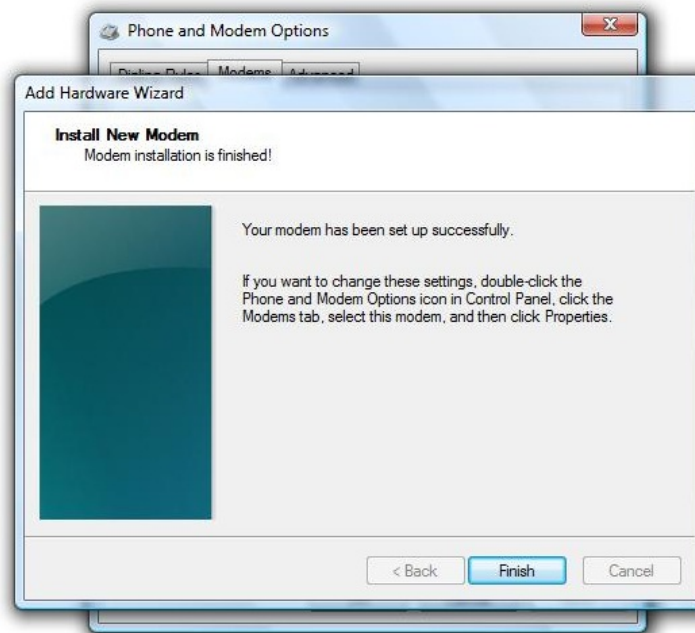
- 6) Select **Iridium** from the Manufacturer list. Then, select **Iridium PPP Data Modem** from the Models list. Click the **Next>** button to continue.



- 7) Click the **Selected ports** radio button. Choose an available COM Port (e.g., COM4) that will connect to the Iridium device. Click the **Next>** button to continue.

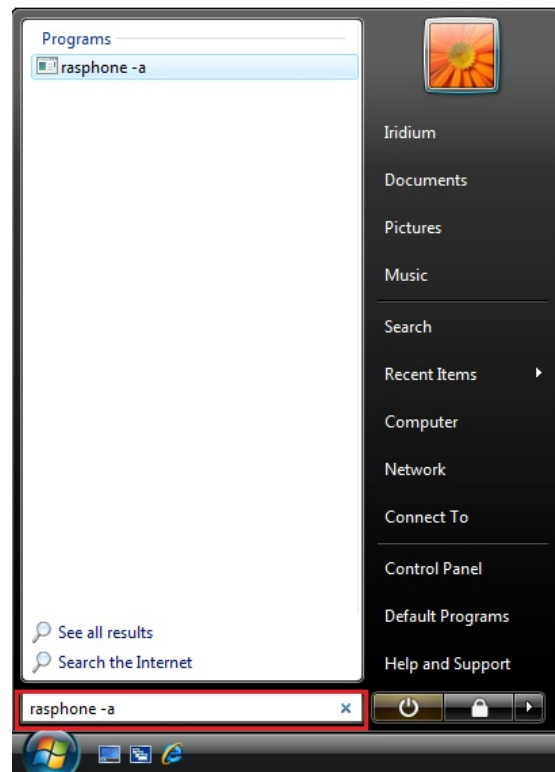


8) Click the **Finish** button once the installation completes.

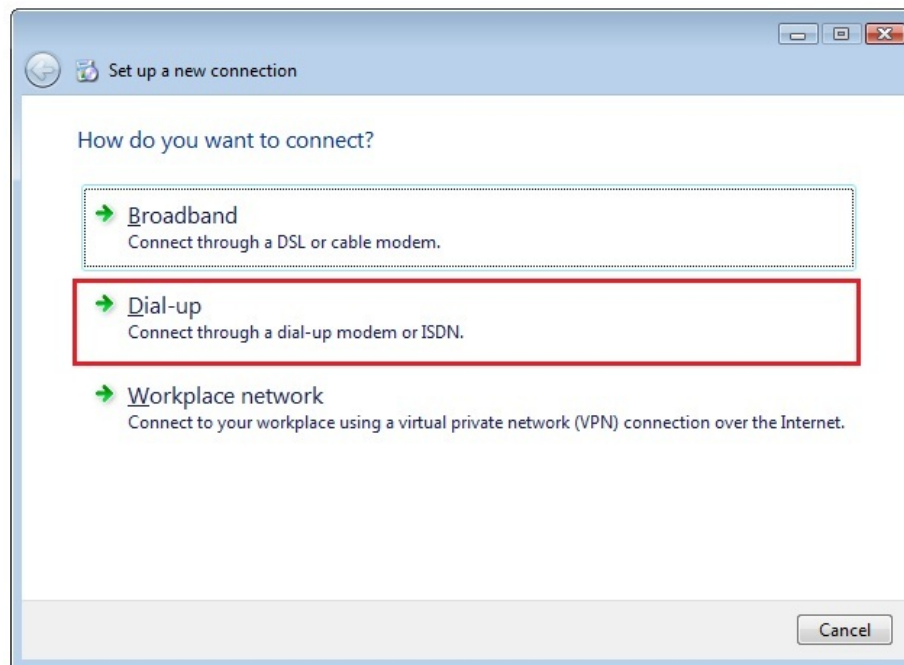


5.3.2 CONFIGURE A MODEM

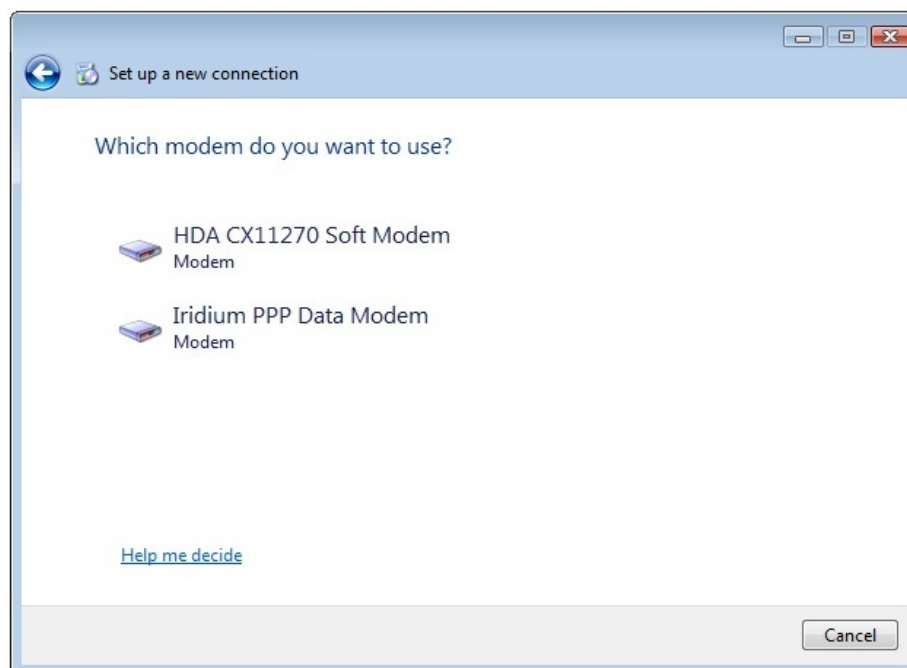
- 1) From the Windows® start menu, type **rasphone -a** in the Search text box and press the **Enter** key. This will open the **Setup a new connection** window.



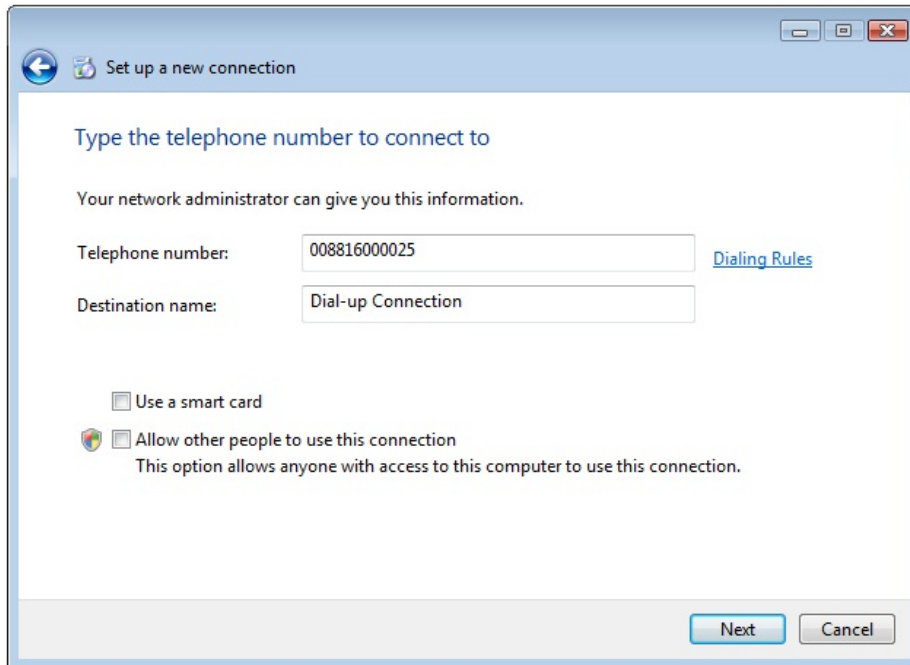
2) Select the **Dial-up** option.



3) If there is more than one dial-up modem installed, a new window will appear asking to select the modem to be used for this connection.

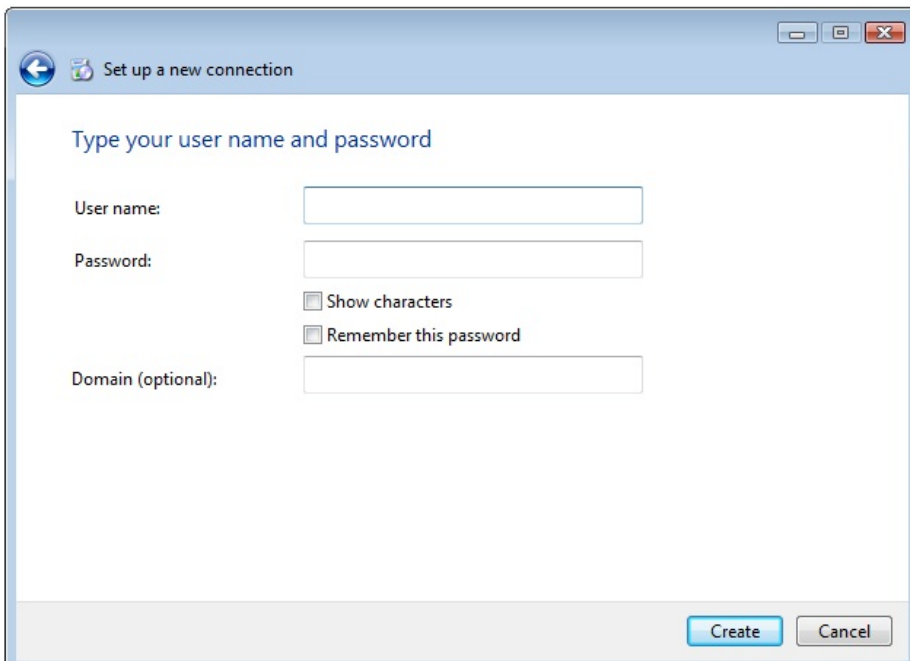


- 4) Enter your Internet Service Provider or assigned RUDICS dial-up telephone number. Also, provide an appropriate name for this dial-up connection. Click the **Next** button to continue.



The screenshot shows a Windows XP-style window titled "Set up a new connection". The main heading is "Type the telephone number to connect to". Below this, a message states: "Your network administrator can give you this information." There are two text input fields: "Telephone number:" containing "008816000025" and "Destination name:" containing "Dial-up Connection". To the right of the "Telephone number:" field is a blue link labeled "Dialing Rules". Below the input fields are two checkboxes: "Use a smart card" (unchecked) and "Allow other people to use this connection" (unchecked). A note below the second checkbox reads: "This option allows anyone with access to this computer to use this connection." At the bottom right are "Next" and "Cancel" buttons.

- 5) Enter the User name and Password provided by your Internet Service Provider. RUDICS does not require User names or passwords. Click the **Create** button when done.

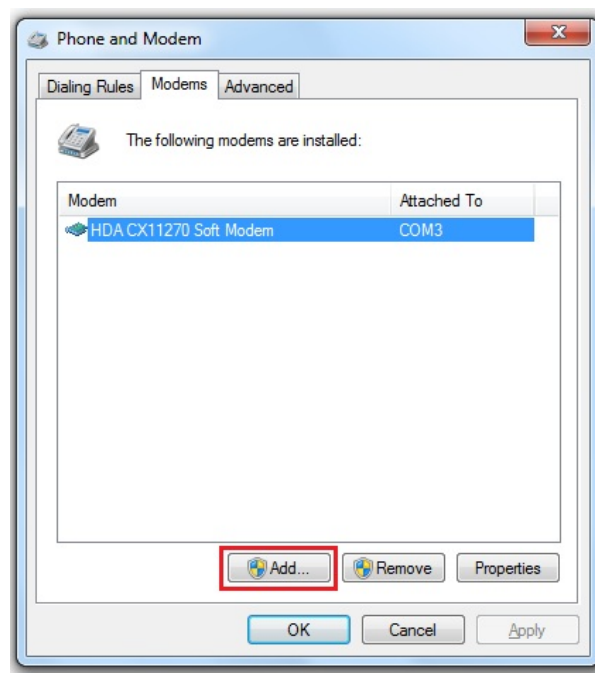


The screenshot shows the same "Set up a new connection" window, but at a different step. The main heading is "Type your user name and password". There are three text input fields: "User name:", "Password:", and "Domain (optional):". Between the "Password:" and "Domain (optional):" fields are two checkboxes: "Show characters" (unchecked) and "Remember this password" (unchecked). At the bottom right are "Create" and "Cancel" buttons.

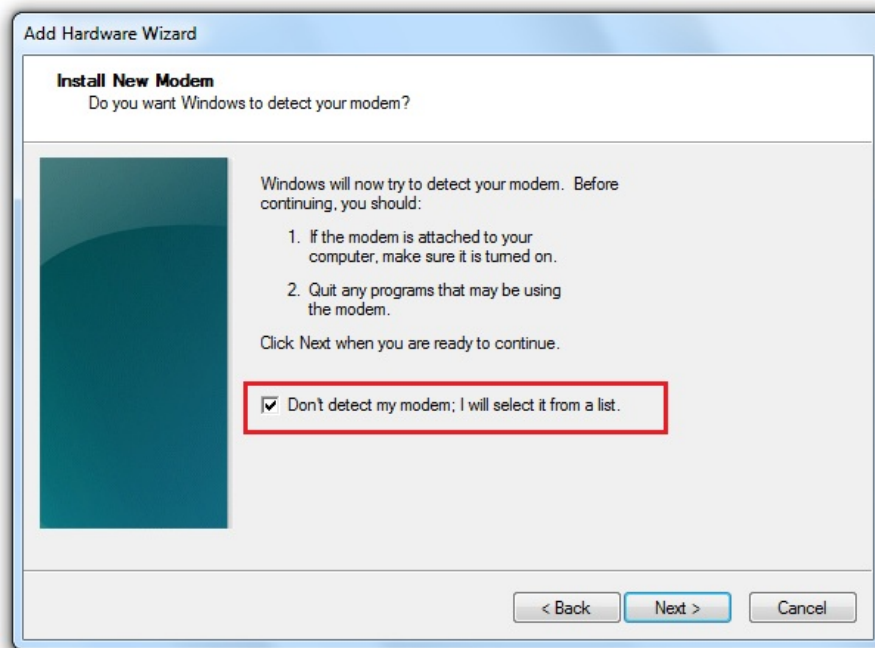
5.4 Window 7®

5.4.1 INSTALL A MODEM

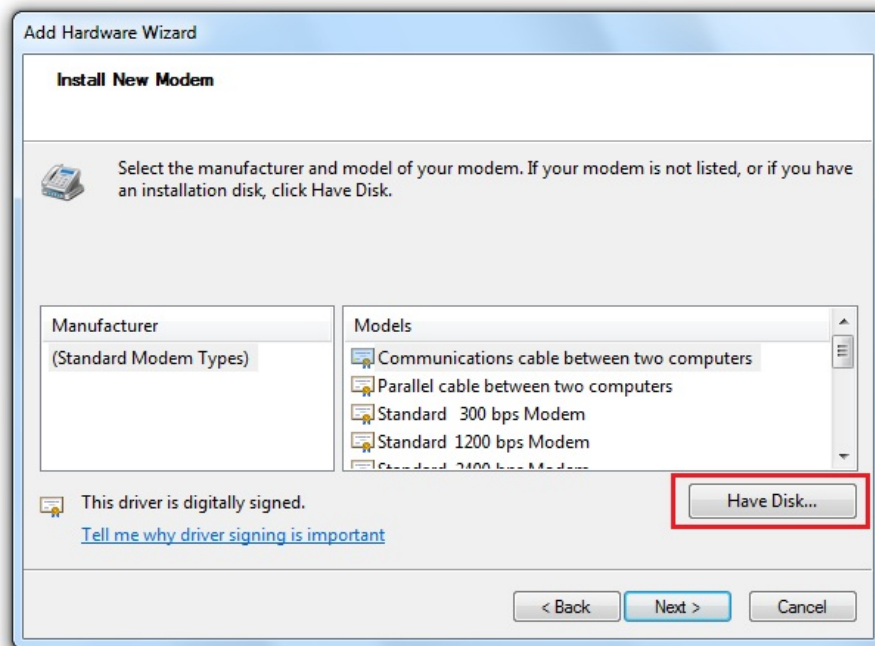
- 1) From the Windows® start menu, type **telephon.cpl** in the Search text box and press the **Enter** key on your keyboard. This will open the **Phone and Modem** dialog box.
- 2) If a **Location Information** dialog box opens first, enter your telephone area code and click the **OK** button.
- 3) Click the **Add...** button from the **Modems** tab in the **Phone and Modem** dialog box.



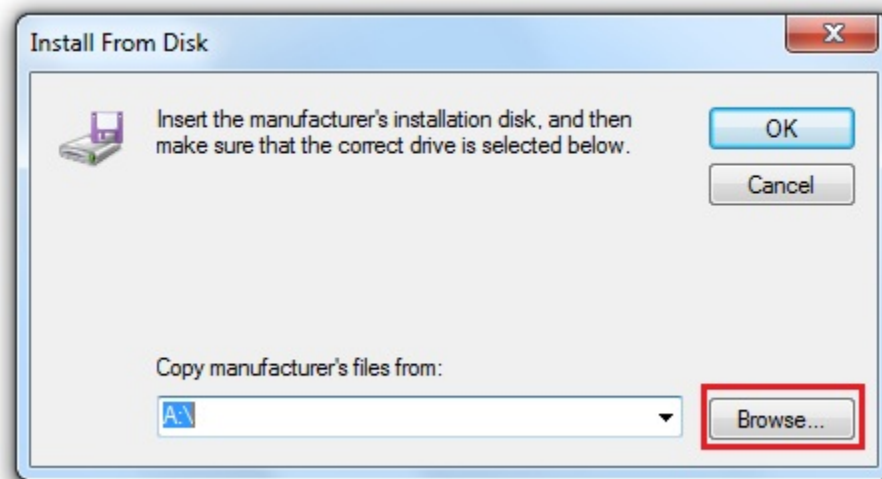
- 4) Select the checkbox next to **Don't detect my modem; I will select it from the list.** Then, click the **Next>** button.



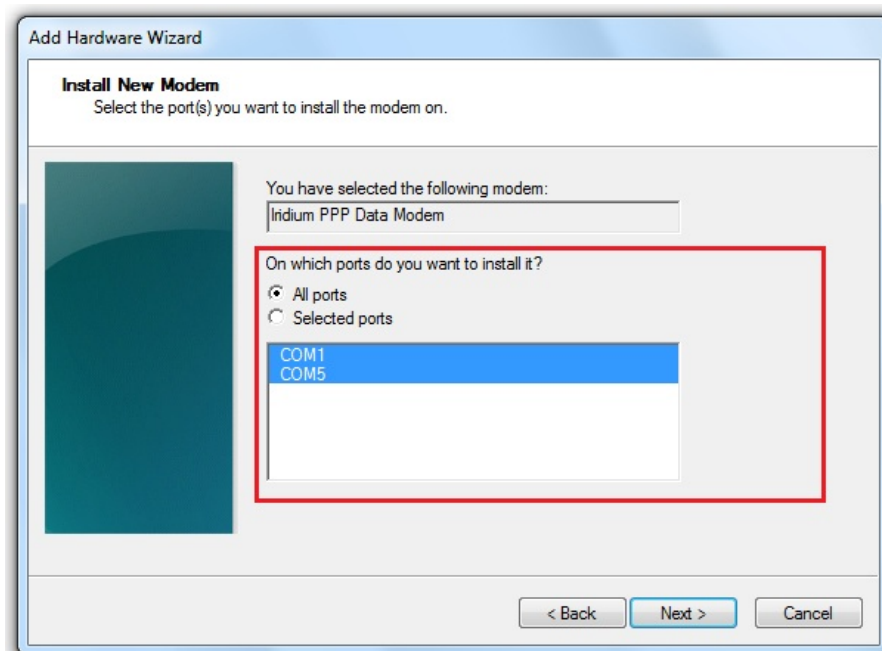
- 5) Click the **Have Disk...** button.



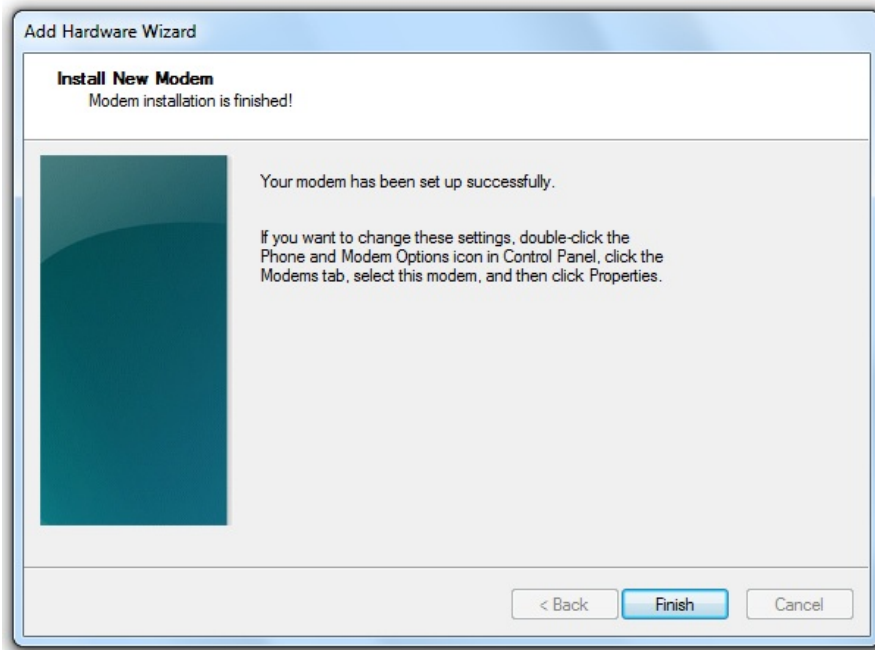
- 6) Use the **Browse...** button to search and select the iridium.INF file from the CD.
Click the **OK** button when done.



- 7) Select the **All ports** radio button. Click on the **Next>** button to continue.

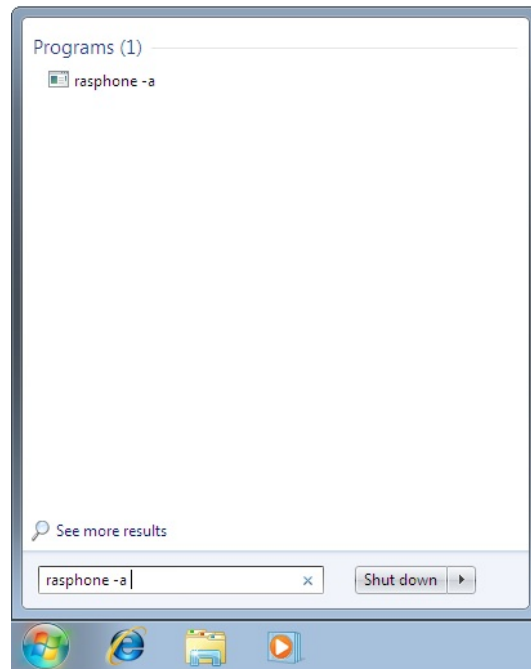


8) Click the **Finish** button to complete the modem installation.

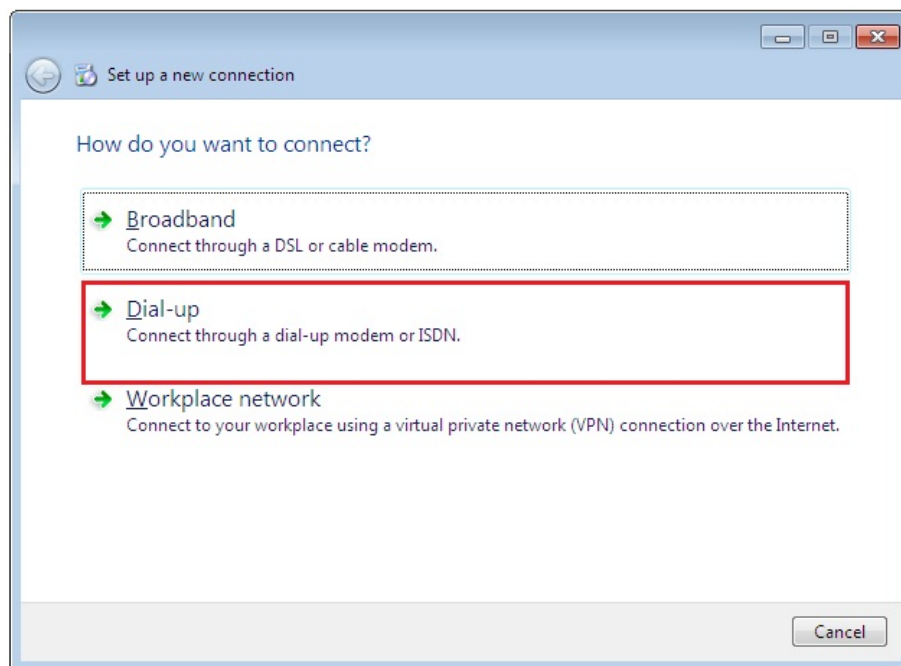


5.4.2 CONFIGURE A MODEM

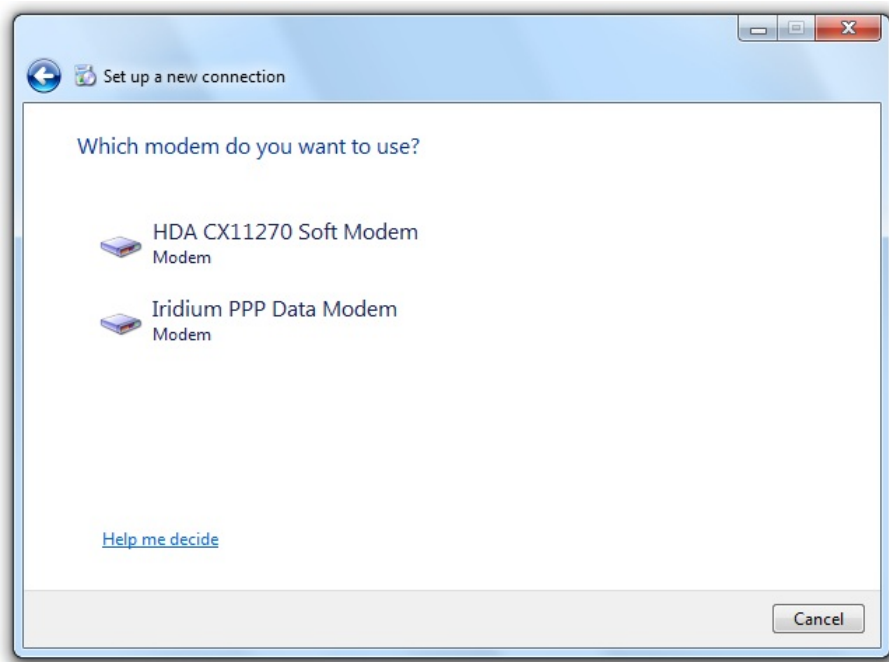
- 1) From the Windows® start menu, type **rasphone -a** in the Search text box and press the **Enter** key. This will open the **Setup a new connection** window.



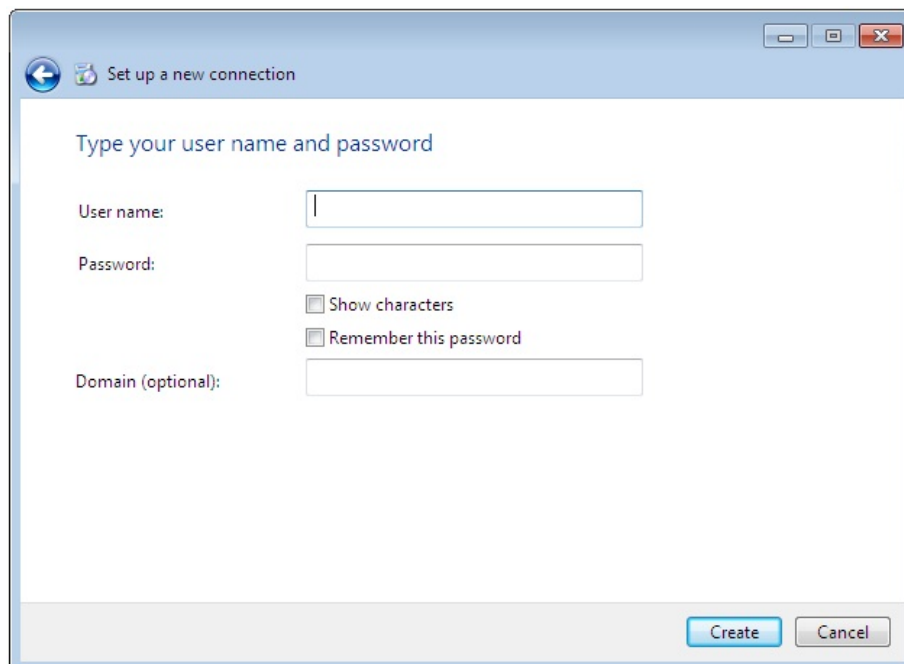
- 2) Select the **Dial-up** option.



- 3) If there is more than one dial-up modem installed, a new window will appear asking to select the modem to be used for this connection.



- 4) Enter the User name and Password provided by your Internet Service Provider. RUDICS does not require User names or passwords. Click the **Create** button when done.



5.5 Mac OS

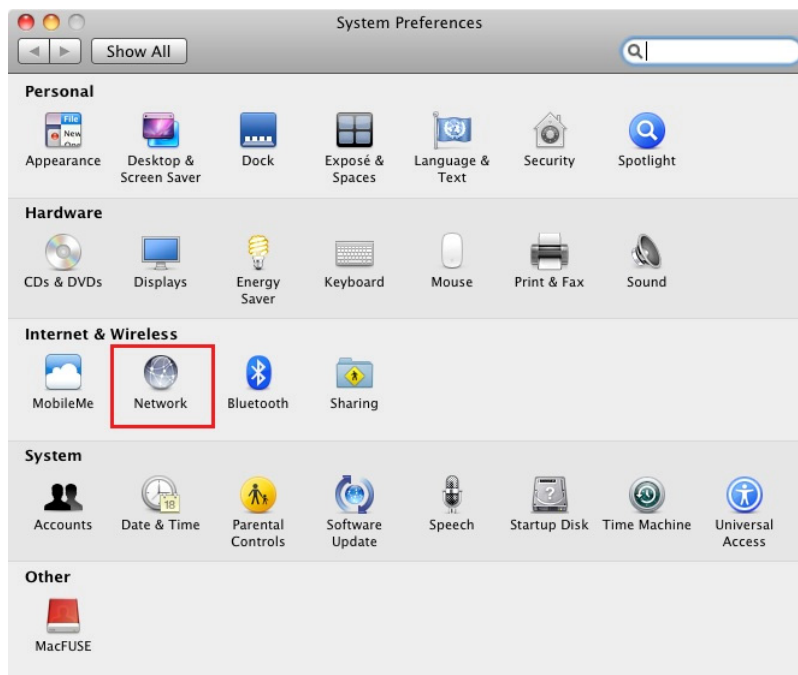
5.5.1 CONFIGURE

The user does not need to install a modem for the Mac OS operating system.

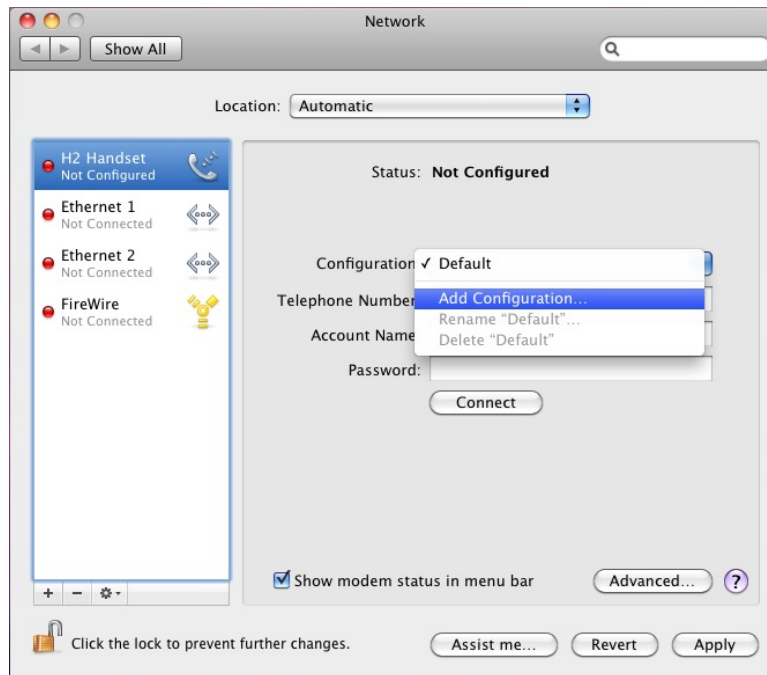
- 1) Connect the Iridium 9555 phone to the Mac via a USB port.
- 2) Power on the Iridium 9555 phone.
- 3) Select the **System Preferences** icon.



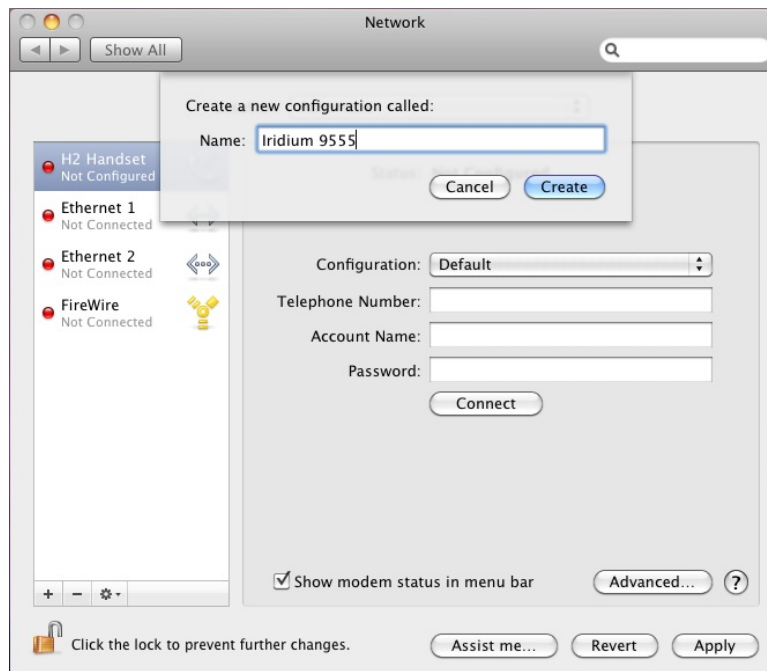
- 4) Select **Network** from the **System Preferences** window.



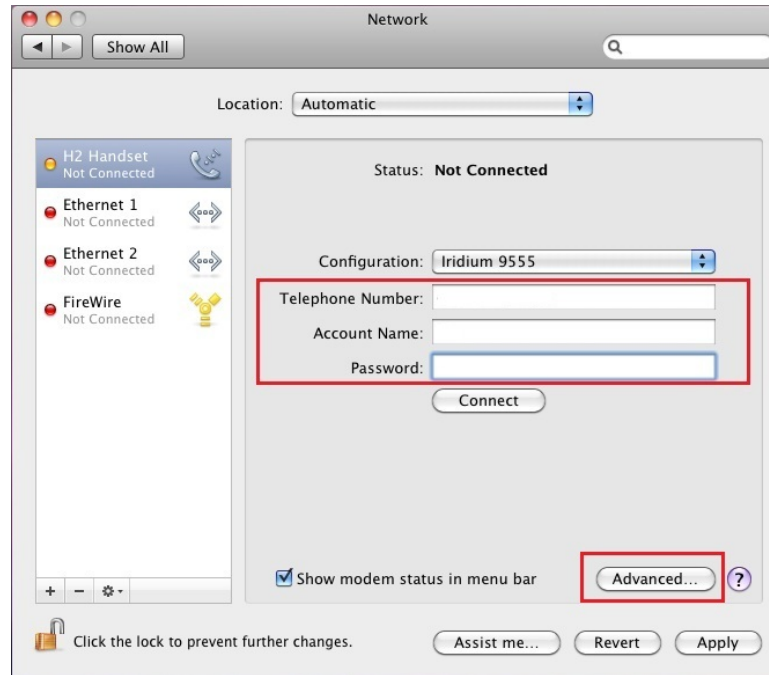
- 5) Select the **H2 Handset** and select **Add Configuration...** from the **Configuration** pull-down menu.



- 6) Provide a name for this connection and click **Create**.

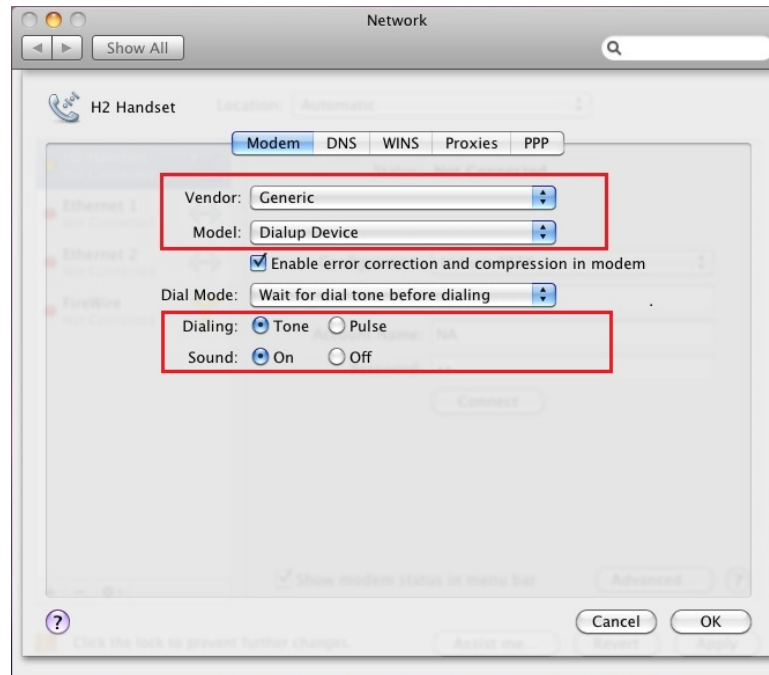


- 7) Complete the fields as described in the table below. Click on the **Advanced...** button when done.



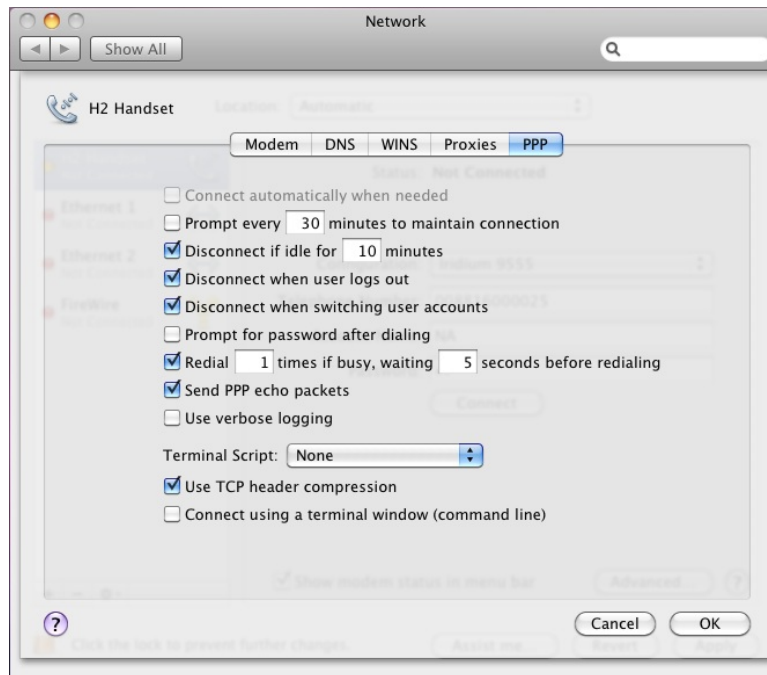
Field Name	Value
Telephone Number	Internet Service Provider or RUDICS assigned telephone number.
Account Name	Account Name given by your Internet Service Provider. RUDICS 3 does not require an Account Name.
Password	Password for Internet Service Provider. RUDICS does not require a Password.
Show modem status in menu bar	Select the check box for easy access to connection.

8) In the **Modem** tab, complete the fields as described in the table below.



Field Name	Value
Vendor	Generic
Model	Dialup Device
Dialing	Tone
Sound	On

- 9) Select the **PPP** tab. Verify that the check box next to **Send PPP echo packets** and **Use TCP header compression** is checked. All other options are configurable.



- 10) Click **OK** and **Apply** to complete configuration.

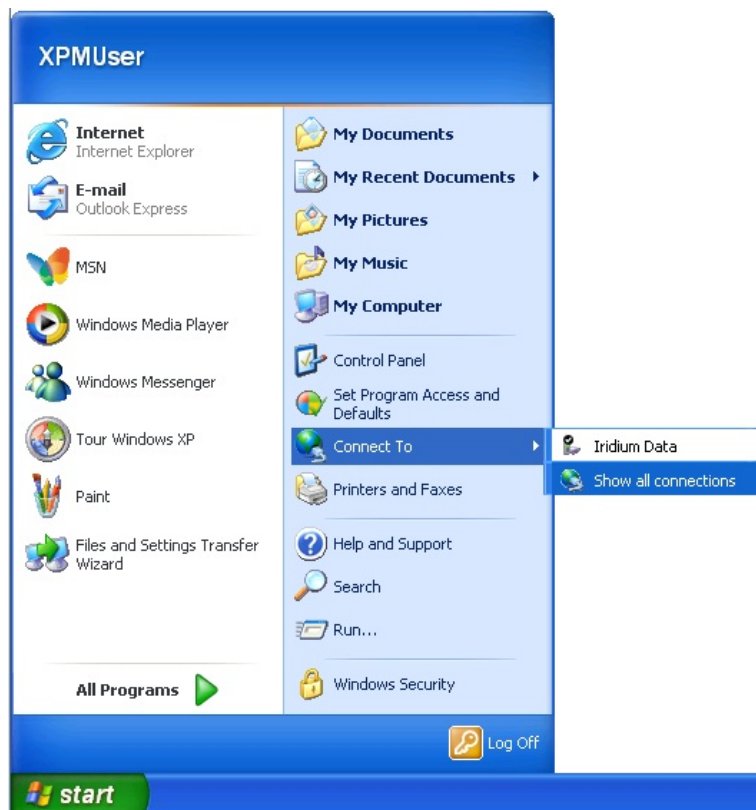
6 Dialing a Call

6.1 Before Dialing

- 1) Connect the computer to the Iridium Satellite Phone.
- 2) Orient the phone antenna towards a clear view of the sky.
- 3) Verify that the computer is powered on and completely booted.
- 4) Power on the Iridium Satellite Phone and wait for it to register with the Iridium satellite network.

6.2 Using Windows XP®

- 1) From the Windows® start menu, select **Connect To**. In the sub-menu, select the desired dial-up connection or select **Show all connections** open a new window with all of the dial-up connections.

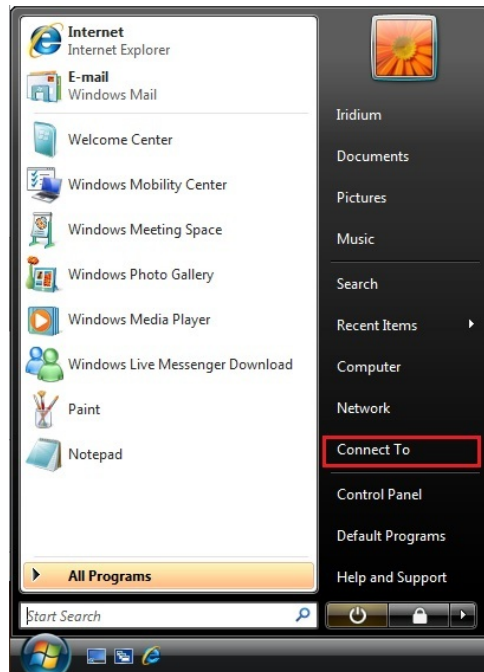


2) Click on the **Dial** button to initiate the connection.

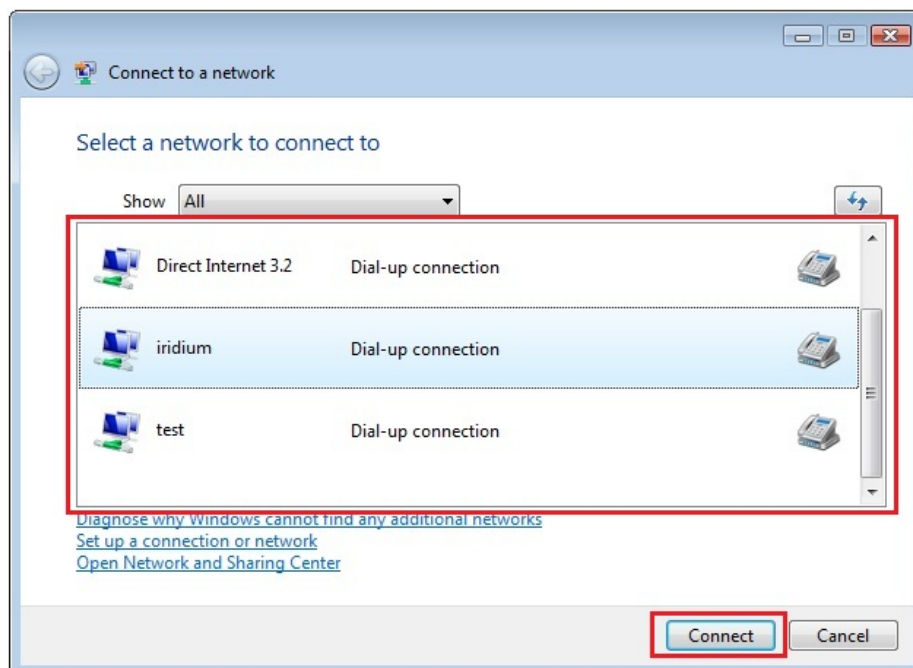


6.3 Using Windows Vista®

- 1) Select **Connect To** from the Windows® start menu.

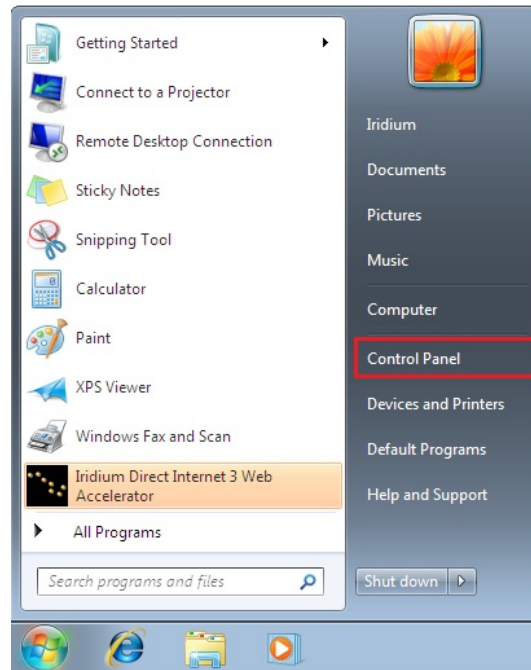


- 2) Select the desired Dial-up connection and click on the **Connect** button to initiate the connection.

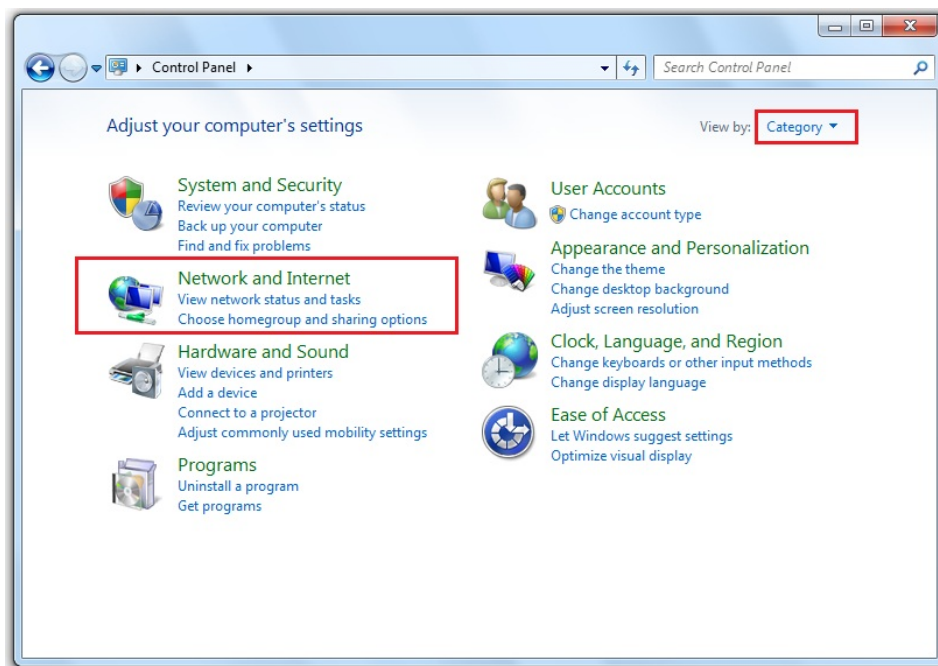


6.4 Using Windows 7®

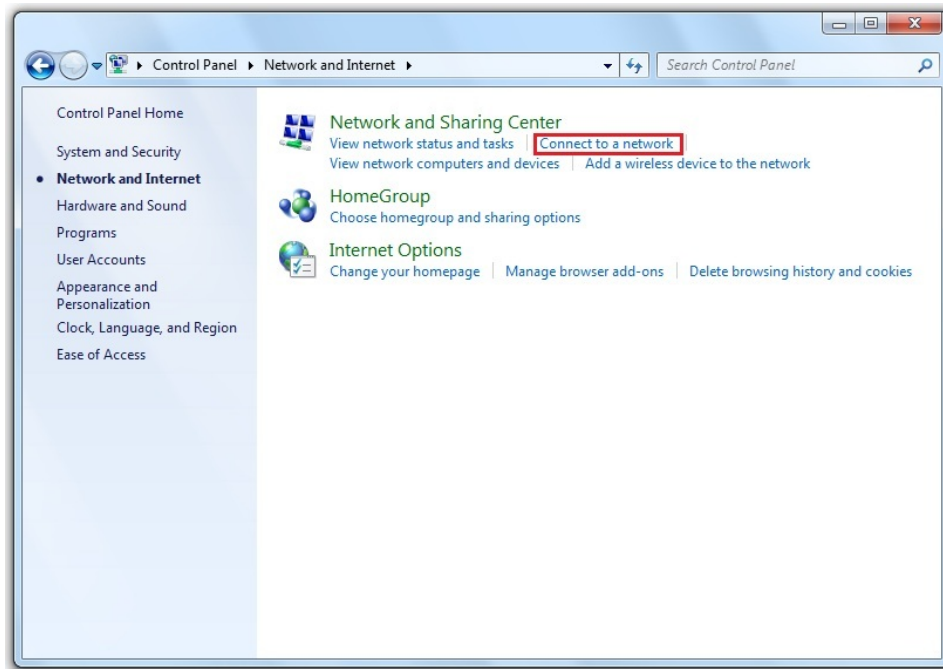
- 1) Select **Control Panel** from the Windows® start menu.



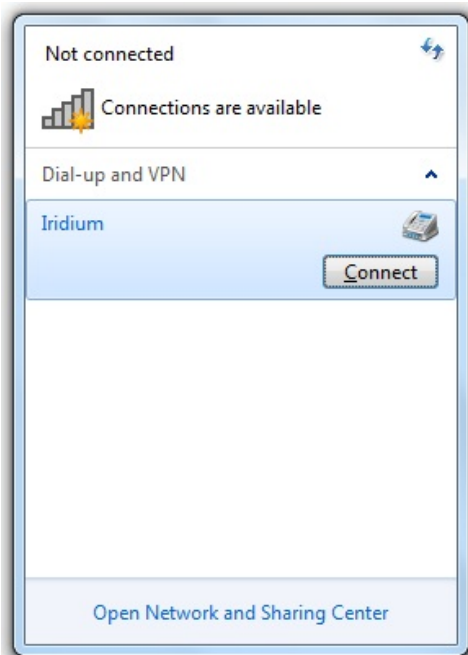
- 2) Select **Network and Internet** from the **Control Panel** window. (Make sure you are viewing by **Category**)



3) Select **Connect to a network** under **Network and Sharing Center**.

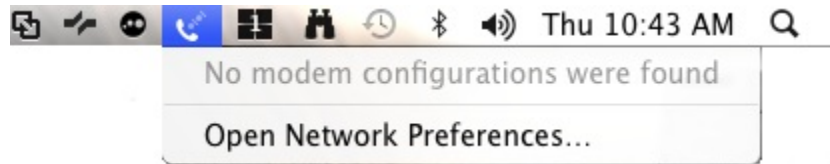


4) A pop-up window will appear. Click on the desired connection and click on the **Connect** button to initiate the connection.

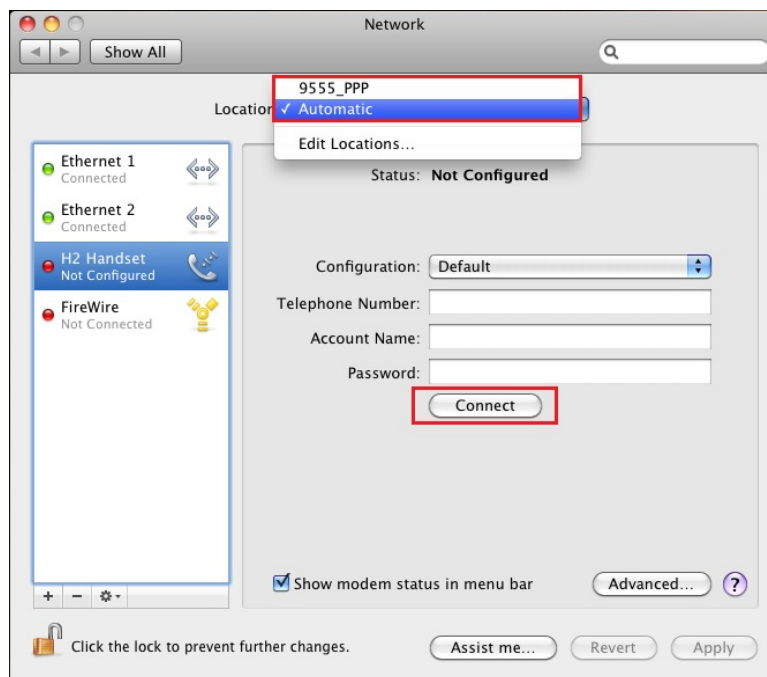


6.5 Using Mac OS®

- 1) From the menu, click the modem status icon, and select the desired connection or **Open Network Preferences**.



- 2) In the new dialog box, select the desired connection and click the **Connect** button.



7 Data Connection Services

Some data connection services exist for Iridium subscribers. These services are briefly described below.

7.1 Direct Internet

Iridium's Direct Internet Data Service allows users to connect directly to the Internet via the Iridium gateway. While users are not required to load any special software onto their computer to connect, they will find additional compression and speed benefits from installing the Direct Internet accelerator. However, the service utilizes standard dial-up networking and has been shown to work with a variety of operating systems. Direct Internet software and documentation may be found on:

- 1) The Iridium 9555 Data CD
- 2) The Iridium 9555 Satellite Phone Product web page

<http://www.iridium.com/products/Iridium9555SatellitePhone.aspx>

- 3) Your local Iridium Service Provider

7.2 RUDICS

With RUDICS, you can establish a direct connection between a device connected to the Iridium modem in the field and a program running on your server back home. The program listens on a port number that you register with the gateway. Any time that the modem dials into the gateway using the RUDICS phone number, a socket connection is established between the gateway and your program. Any bytes that you write to the modem show up on the socket and can be read by the program.

Iridium Communications Inc. 1750 Tysons Boulevard, Suite 1400, McLean, VA 22101 U.S.A.

Iridium and the Iridium logo are registered trademarks and/or service marks of Iridium Communications Inc.

Windows and Windows XP are registered trademarks of Microsoft Corporation in the United States and other countries.

Mac and Mac OS are trademarks of Apple Inc., registered in the United States and other countries.