

## *Modem Upgrading Instructions*

Please note that these instructions are for Siemens 4200 modems purchased directly from TransACT only.

If you experience any problems, please contact TransACT Technical Support on 13 30 61 (option 5).

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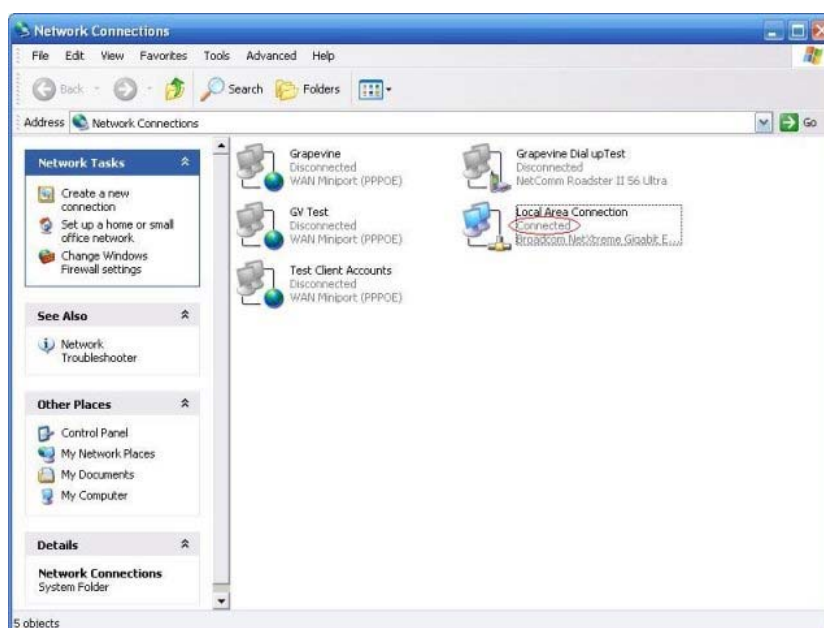
## Upgrading your Siemens Speedstream 4200 modem

1. Go to [www.siemens.com.au/modems](http://www.siemens.com.au/modems)
2. Click on '**Modem 4200 ADSL2 Firmware**'.
3. Download the file '**Update\_D240\_A8M\_106-65\_1210\_v1r\_1437101**' and save this in a location that is easily accessible (such as the Desktop)
4. Check that DHCP is enabled on your computer. To do this:

In Windows XP/2000, go to '**Control Panel**' and click on '**Network Connections**'.

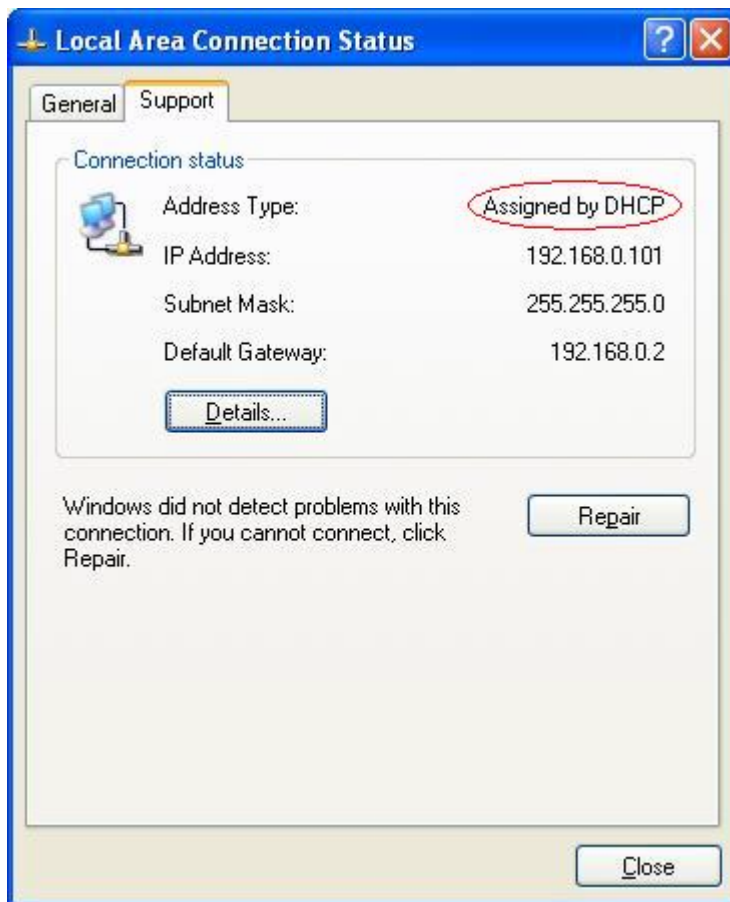


5. Double click on '**Local Area Connection**'.



6. Select the **'Support'** tab.
7. Verify that the address type says **'Assigned by DHCP'** (do not worry if your numbers/addresses are not the same as the picture below.)

If the address type is blank, says **'Manually Configured'**, or **'Invalid IP'**, contact the TransACT helpdesk on 13 30 61 (option 5).

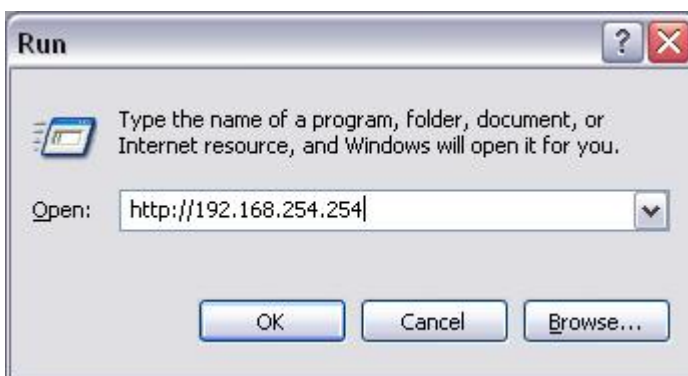


- Unzip the downloaded file above and run the executable file.

The screen below should appear. Once it does, click 'Update Firmware'.



- The modem will restart itself once the firmware upgrade is complete – wait for approximately five minutes before continuing.
- Go to Start > Run and type in <http://192.168.254.254>

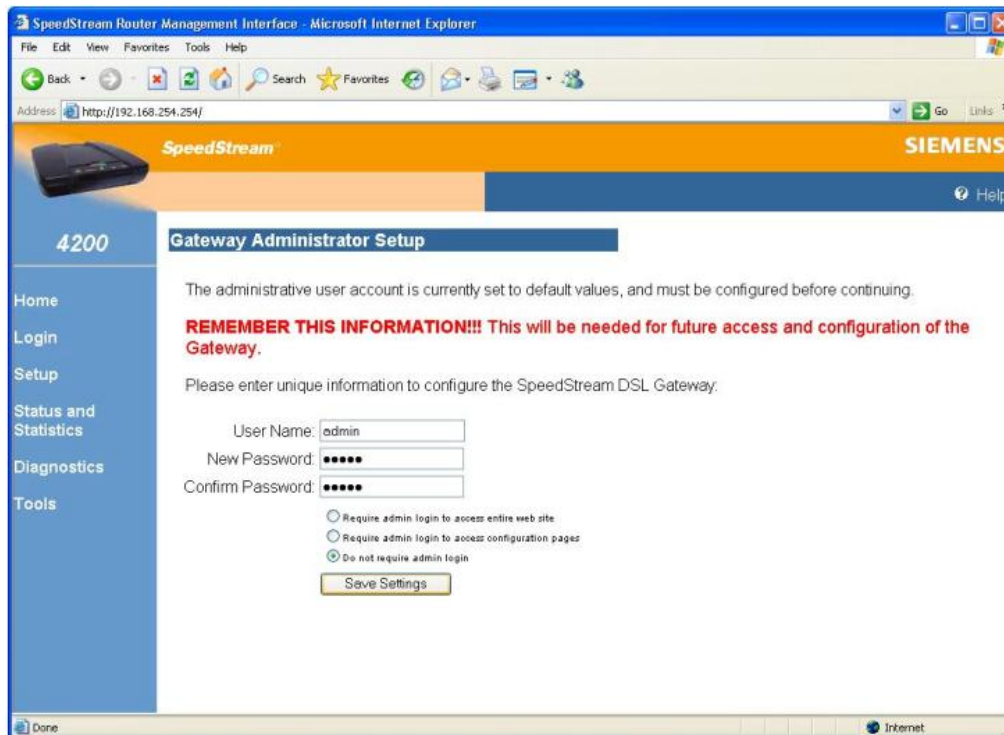


11. If you are prompted to enter a username/password, use:

User: **admin**

Password: **admin**

We suggest these same values are used for the new username/password (as below) and select '**Do not require admin login**'.



12. You will now need to decide how you would like to connect to the internet.

## Connecting to the internet

There are two ways of connecting to the internet.

- a) **Routed mode** – this means the modem will log on to the internet for you automatically and keep your connection ‘always on’, even when your computer is off.
- The advantage of this is that no manual ‘connect’ is required each time the computer logs onto the internet.
  - The disadvantage is that it can be harder to troubleshoot for problems, or execute tasks such as changing your connection password, port forwarding etc.
- b) **Bridged mode** – this means a manual connection must take place each time you want to connect to the internet, similar to a dial-up connection.

This is a better way to connect as it poses less of a security risk than routed mode, and is easier to change settings such as your ISP username/password.

### Routed mode instructions

1. Enter your full ISP address as the username (e.g. [username@grapevine.com.au](mailto:username@grapevine.com.au)) and password.
  - ‘**Access Concentrator**’ and ‘**Service Name**’ should be left blank, and ‘**Auto-Connect on Disconnect**’ should be selected.
  - Click ‘**Save Settings**’ after checking your details.

#### ISP Password

The PPP connection to the wide area network should be configured before continuing.

Setup for **PPPoE 8/35** Access Concentrator:

Username:

Password:

Access Concentrator  (Optional)

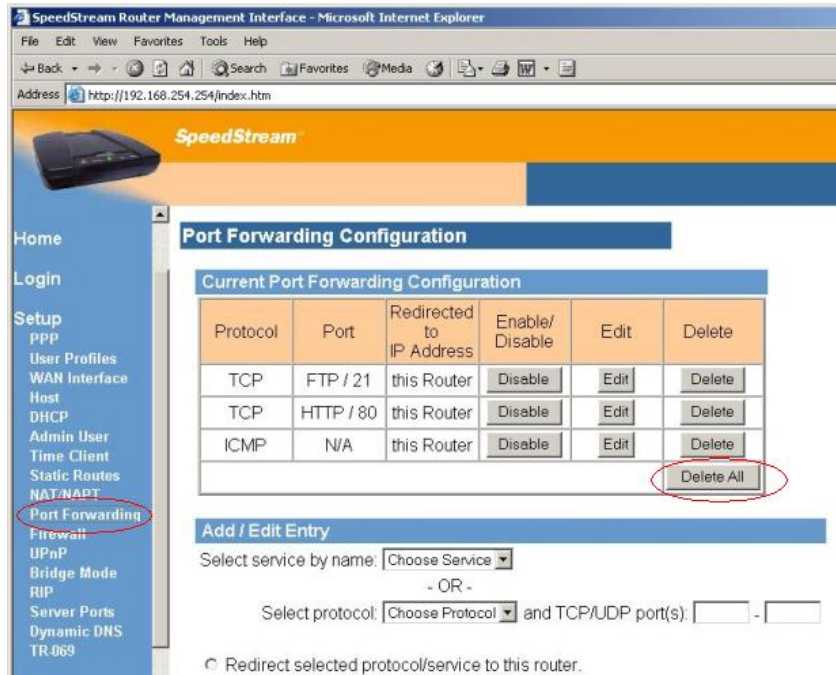
Service Name  (Optional)

Auto-Connect on Disconnect

Use Idle Timeout:  Minutes

2. To secure your modem’s configuration from unauthorised access from the internet, ‘Port Forwarding’ should be removed.

- On the left sidebar, click on **Setup > Port Forwarding** (if you do not see 'Setup', click 'Login' first and log in under username admin, password admin)
- Under '**Current Port Forwarding Configuration**', click on '**Delete All**'. This may reboot your router (if so, wait five minutes before continuing).



3. Click '**Home**' and click '**Connect**'. You should now be connected to your ISP in routed mode.

**System Summary**

**System Type:** SpeedStream 4200-Series  
**Config Part #:** 003-1210-G01  
**Firmware Part #:** 004-D240-A8M  
**MAC Address:** 00:0B:23:B1:65:7B

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**Point to Point Connection Summary:**

PPPoE 8/35 Connect

## Bridged mode instructions

1. On the left sidebar, click **Setup > WAN Settings**. (If you do not see 'Setup', click 'Login' first and log in under username admin, password admin.)

Click 'Add a New VC' at the bottom.

The screenshot shows the 'WAN Interface Configuration Wizard' for a SpeedStream 4200 modem. The left sidebar is expanded to 'WAN Interface'. The main area displays a table of current configurations:

#	VC	Type	Name	Actions
0	8/35	PPPoE	PPPoE 8/35	Disable Delete <input checked="" type="checkbox"/>
1				
2				
3				
4				
5				
6				
7				

Below the table, there is a note: '\*Checked interface is the default WAN interface' and an 'Add a New VC' button.

2. Change the **VPI** to 8, and the **VCI** to 35, then click 'Next'.

The screenshot shows the 'WAN Interface Configuration Wizard' at the 'ATM Settings' step. The left sidebar is expanded to 'WAN Interface'. The main area contains the following settings:

**Enter the VPI and VCI numbers as specified by your service provider:**  
 VPI:  VCI:

**Select the Encapsulation Type:**  LLC  VCMUX

**Select the Traffic Class:** Unspecified Bit Rate

**Enter the desired Traffic Description information: ( All Fields Optional )**

Peak Tx Cell Rate	<input type="text"/>
Sustained Tx Cell Rate	<input type="text"/>
Tx Burst Tolerance	<input type="text"/>

At the bottom, there is a table showing the current configuration:

#	VC	Type	Name
1	0/32	PPPoE	PPPoE(10)0/32

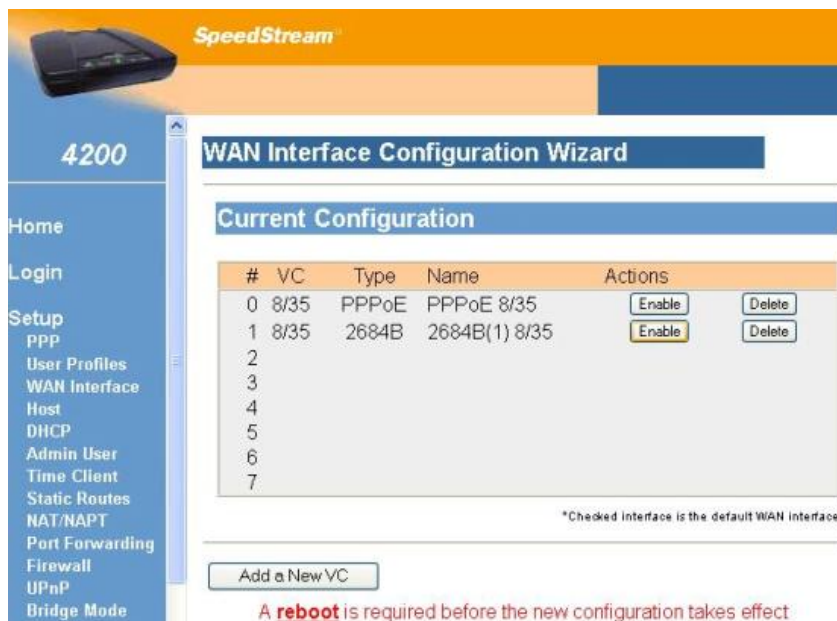
Buttons for 'Cancel', 'Next >>', and 'Finish' are visible at the bottom.



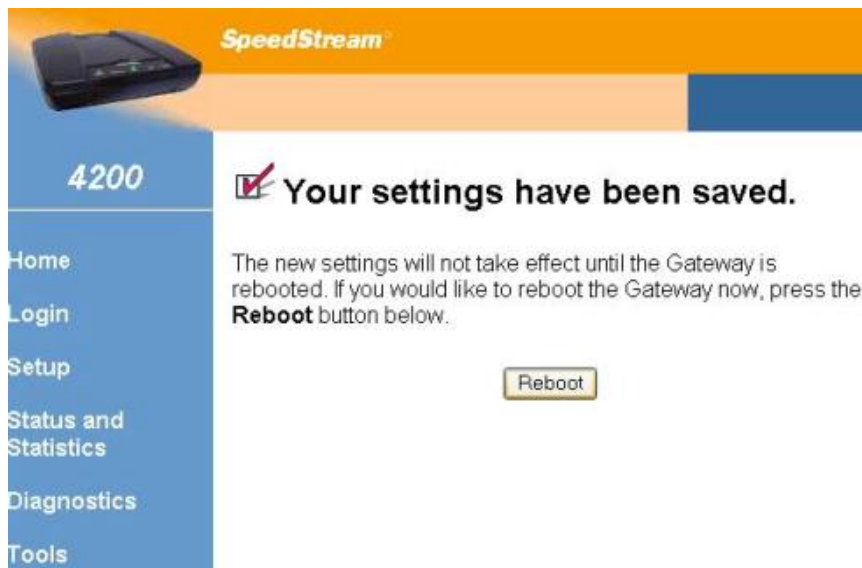
3. Select '**RFC-2684 Bridged**' and click '**Finish**'.



4. On circuit **#0** (PPPoE 8/35), hit '**Disable**'.
5. On circuit **#1** (2684B(1) 8/35), hit '**Enable**'.
6. Hit the red '**reboot**' link at the bottom.



7. Click the **'Reboot'** button



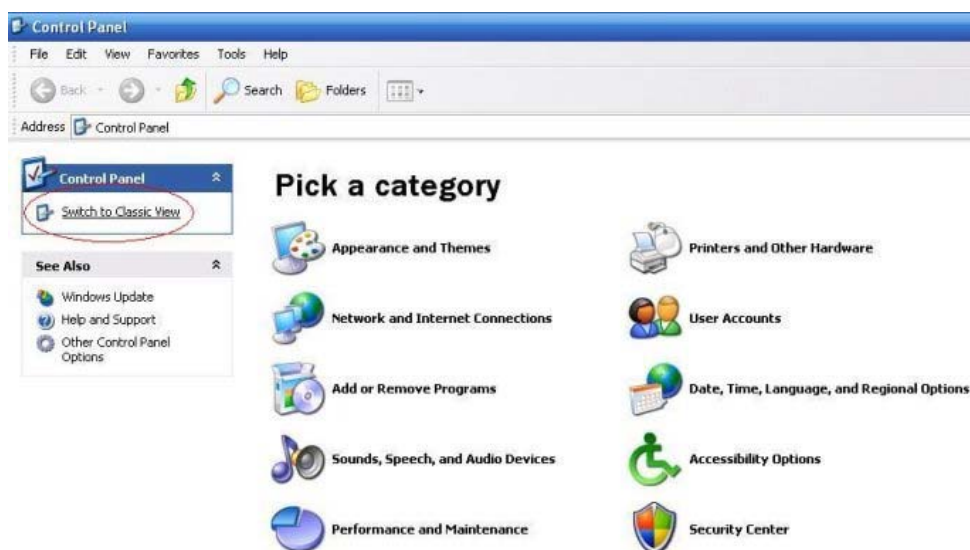
8. After the modem has rebooted, you will now need to set up the connection on your computer. Instructions for Windows XP are provided below.

## Setting up an internet connection on your computer

1. Click on the **'Start'** button.
2. Click on **'Control Panel'**.



- If your Control Panel looks like the picture below, click on the link **'Switch to Classic View'**.

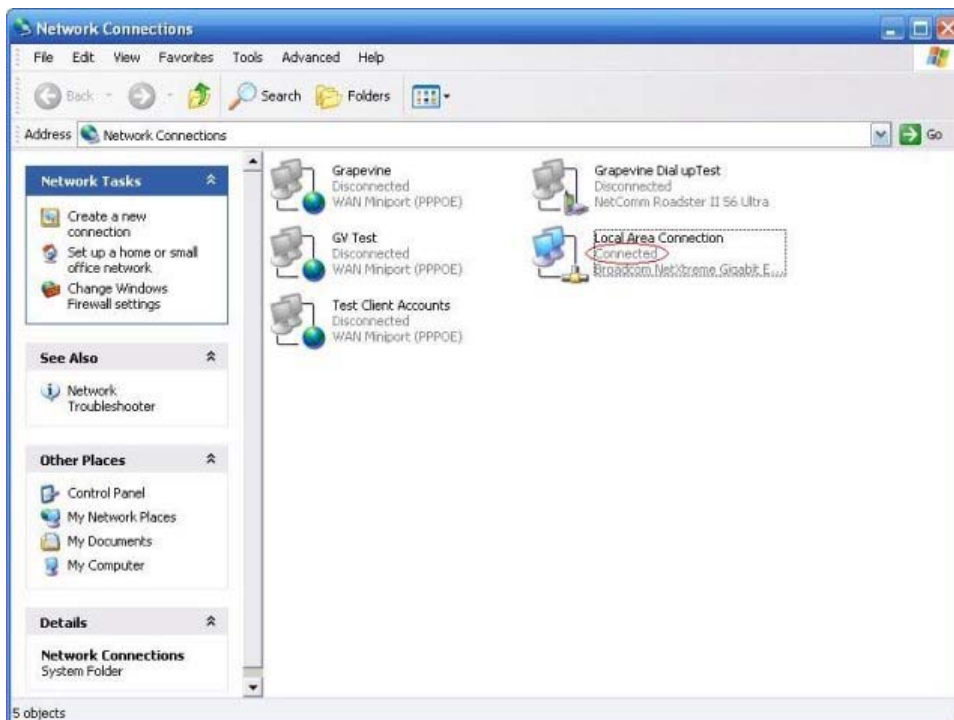


1. Double click **'Network Connections'**.



2. Ensure that the Local Area Connection says **'Connected'** or **'Limited or no connectivity'**.

If your Local Area Connection says **'Network Cable Unplugged'**, you need to check the cabling and ethernet ports between your PC and the TransACT equipment.



3. On the left menu, click **'Create a New Connection'**. This will launch the **'New Connection'** wizard.

4. Click 'Next'.



5. Ensure 'Connect to the Internet' is selected, and click 'Next'.

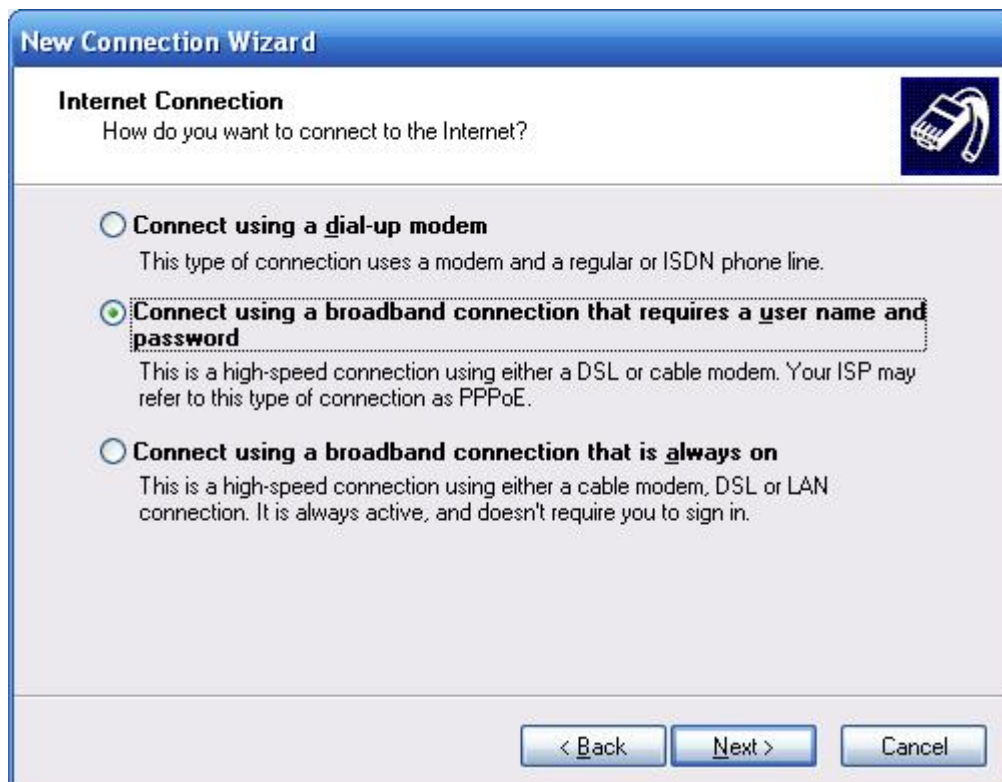


6. Click the second option '**Setup my connection manually**', and click '**Next**'.



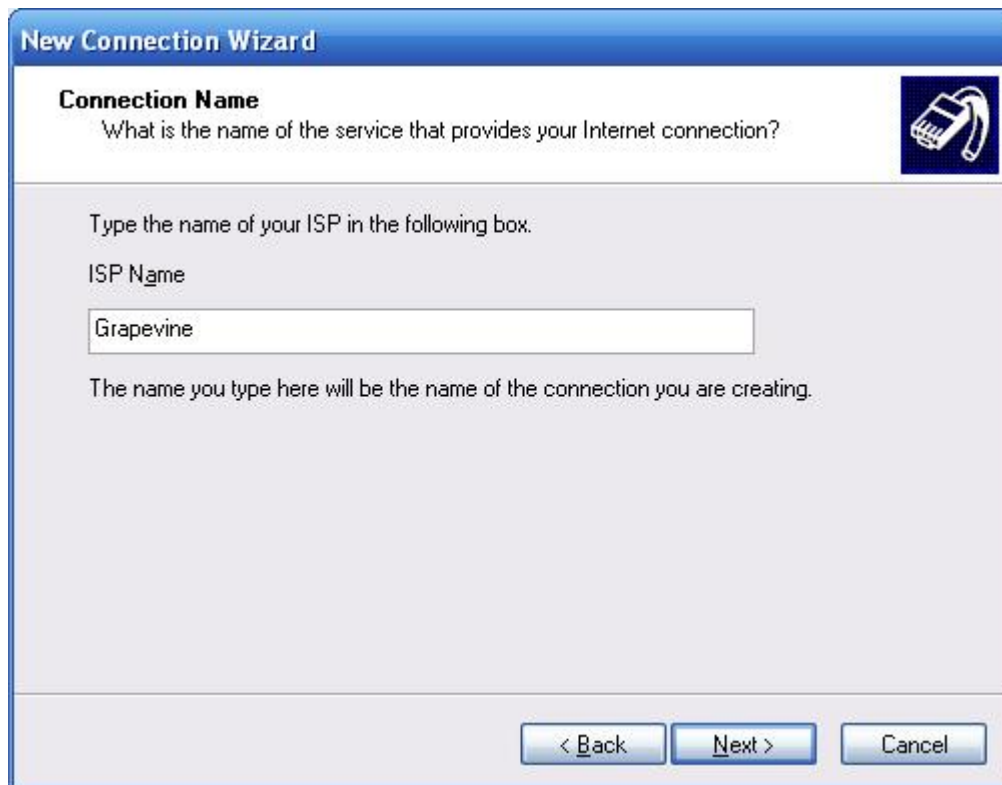
The screenshot shows a Windows-style dialog box titled "New Connection Wizard". The main heading is "Getting Ready" with a sub-heading "The wizard is preparing to set up your Internet connection." and a modem icon. The question is "How do you want to connect to the Internet?". There are three radio button options: "Choose from a list of Internet service providers (ISPs)", "Set up my connection manually" (which is selected and highlighted with a dashed border), and "Use the CD I got from an ISP". Below the options are three buttons: "< Back", "Next >", and "Cancel".

7. Click the second option '**Connect using a broadband connection that requires a username and password**', and click '**Next**'.



The screenshot shows the same "New Connection Wizard" dialog box, now at the "Internet Connection" step. The question is "How do you want to connect to the Internet?". There are three radio button options: "Connect using a dial-up modem" (with a sub-description: "This type of connection uses a modem and a regular or ISDN phone line."), "Connect using a broadband connection that requires a user name and password" (which is selected and highlighted with a dashed border, with a sub-description: "This is a high-speed connection using either a DSL or cable modem. Your ISP may refer to this type of connection as PPPoE."), and "Connect using a broadband connection that is always on" (with a sub-description: "This is a high-speed connection using either a cable modem, DSL or LAN connection. It is always active, and doesn't require you to sign in."). Below the options are three buttons: "< Back", "Next >", and "Cancel".

8. Type in the name of the ISP, and click 'Next'.



**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  
Grapevine

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

< Back   Next >   Cancel

9. Type in your username and password in the appropriate fields.  
Also ensure both tick boxes are checked.



**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: username@grapevine.com.au

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

10. (Optional) Tick the checkbox 'Add a shortcut to this connection to my desktop'.

11. Click 'Finish'.



12. Click the 'Connect' button.





13. You should now be connected to your ISP.

