

DSL Self-install Kit Instructions



SpeedStream 4100

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Important Notes:

- In order to provide you with the best possible connectivity, your DSL circuit must "train" for at least 10 days when first activated. During this period you must leave the DSL modem plugged in, turned on and connected at all times. You do not need to leave your computer turned on during this period- just the DSL modem. For best results, please plug in your DSL modem and turn it on the day before your scheduled installation date, and leave it turned on for at least 10 days.
- Please follow all instructions carefully. Some computer or network configurations may cause software windows to appear that are not depicted in this guide. Please read and follow the instructions on those screens to continue the installation process.

Your Internet Service Provider (ISP) assumes no responsibility for any personal injury or property damage which may result from your installation of DSL Equipment as discussed in this Guide. Your ISP specifically disclaims any liability for such injury or damage. By proceeding with this installation, you assume all risk of personal injury or property damage. Please consult the documentation provided by your PC vendor to identify any impacts to your warranty.

Step 1. Minimum requirements for DSL installation

Your system must meet these minimum requirements for DSL service:

	Windows/Dos	Macintosh
CPU	300MHz or better	PowerPC G3 or better*
RAM	128 Megabytes	256 Megabytes
HD Space	1.0 Gigabytes	2.0 Gigabytes
Operating System	Win 95/NT or newer	MacOS 7.6 or newer

*Macintosh users: your Macintosh must be Ethernet-capable. You may also need an AAUI Ethernet Transceiver depending on your model. Consult your computer's documentation or your vendor for system specifications.

Step 2. Verify the contents of your self-install kit.

Your self-install kit includes:

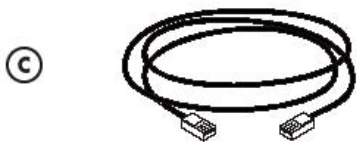
- A. (1) SpeedStream 4100 DSL modem
- B. (1) Power supply
- C. (1) Ethernet Cable
- D. (1) Phone Cable
- E. (4) DSL Splitter Filters



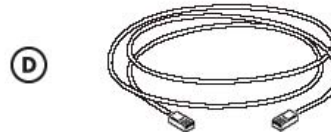
SpeedStream 4100 Modem



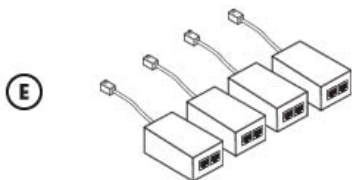
Power Supply



Ethernet Cable



Phone Cable

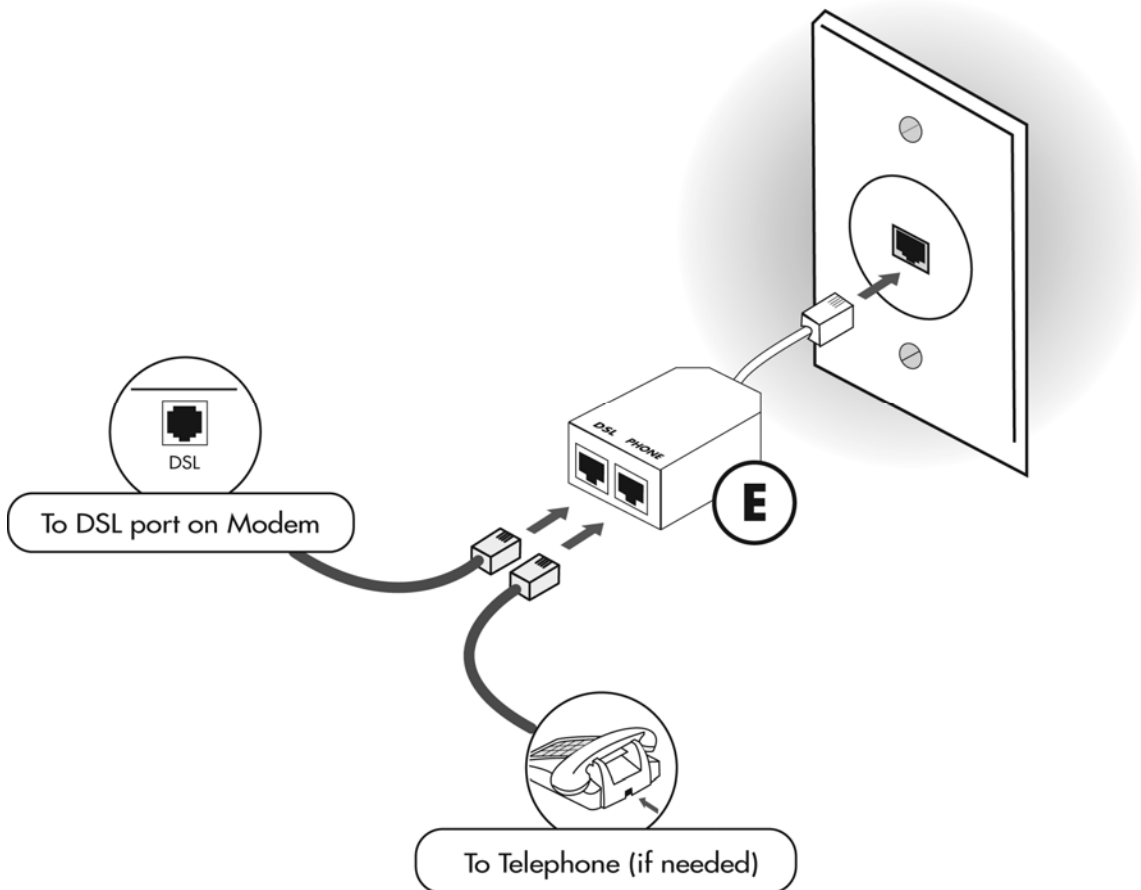


DSL Splitter Filters (4)

Step 3. Install filters on your phone jacks

3-1. Locate the phone jack where you wish to install your DSL.

A. Plug one end of a supplied **Splitter Filter (E)** into the phone jack, as shown in the image below. There should be a port labeled **DSL** and one labeled **Phone** on the other end of the splitter filter. Plug one end of the supplied **Phone Cable (D)** into the **DSL** port on the splitter filter and the other end into port labeled **DSL** on the supplied **SpeedStream DSL Modem (A)**.



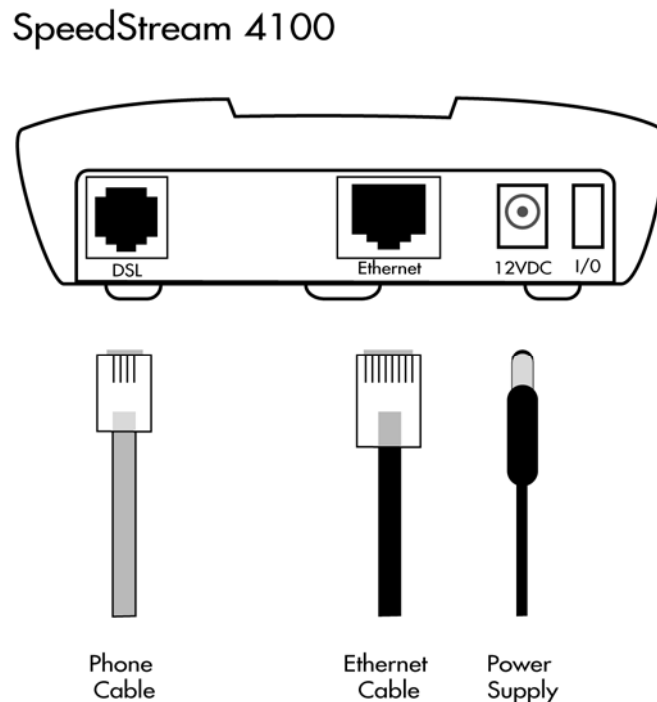
B. If you have a phone, fax machine or any other telephony device at this location, plug the telephone device into the **Phone** port of the **DSL Splitter Filter**.

3-2. Install filters for all other telephones or devices.

All other equipment on the phone line must have filters installed. This applies to equipment such as telephone answering machines, Caller ID units, analog computer modems, fax machines, alarm systems, etc. Use one of the supplied splitter filters for each piece of equipment plugged into the phone line. Make sure you connect each of these devices to the splitter filter port labeled **Phone**.

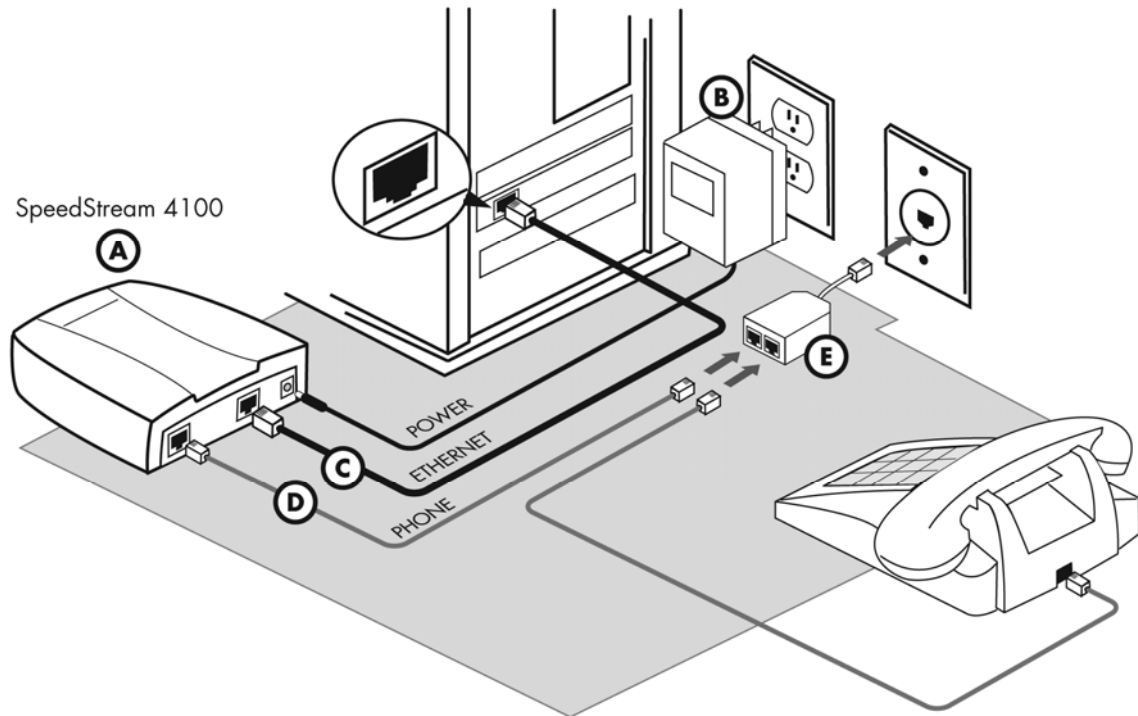
Step 4. Connect the SpeedStream 4100 DSL Modem

Note: In order to provide you with the best possible connectivity, your DSL circuit must "train" for at least 10 days when first activated. During this period you must leave the DSL modem plugged in, turned on, and connected at all times. You do not need to leave your computer turned on during this period- just the DSL modem. For best results, please plug in your DSL modem and turn it on the day before your scheduled installation date, and leave it turned on for at least 10 days.



1. Ensure that one end of the supplied **phone cable** is connected securely to the **DSL port** on the SpeedStream modem. The other end of the phone cable should be connected to a **DSL port** on the **splitter filter**, which should be plugged into your phone jack, as outlined in step 3-1.
2. Plug one end of the supplied **Ethernet Cable** into the **Ethernet port** on the SpeedStream modem. Connect the other end of the Ethernet cable to the Ethernet port on your computer.
3. Plug the power supply into the DSL modem and into an electrical outlet or surge protector. Push the power button (unless it is already depressed). The DSL Modem will begin a self-test routine; during this period the lights on the front of the DSL Modem will flash on and off.
4. The **Power** light should turn solid green right away, and the **DSL** light should turn solid green within two minutes (if your circuit is active- see notes in step 5.) While the Modem is starting up, the lights may blink erratically- this is normal behavior.
5. If the **Power** light does not turn on, check your power cable. Make sure your power supply is connected to a live electrical outlet, and that your connections are secured.

Installation Diagram:



light does not turn solid:

- Your circuit may not be turned on yet, if you are connecting the equipment on or before your scheduled installation date. This is not indicative of a problem- please wait until the day *after* your scheduled installation date before reporting a problem.
- Unplug the modem, reboot the computer and then plug the modem back in.
- Try another telephone jack in your home.
- If none of these steps cause the LINK light to turn green and your installation date has passed, please contact your Internet Service Provider's support department.

Step 5. Configure your system

Your ISP provides automatic assignment of IP addresses for both Dynamic and Static service types. In most instances you will be able to configure your computer simply by setting it to obtain an IP address automatically.

The instructions which follow are for automatic address assignment. If you wish to configure your system manually please see the help documentation provided with your computer.

To use automatic IP address assignment via DHCP:

Windows Vista Settings:

- a) Click **Start** (button with Windows Logo), and go to the **Control Panel**
- b) Next, click **Network and Sharing Center**.
- c) Next to **Local Area Connection**, click on **View Status**.
- d) On the window that comes up, Click the **Properties** option.
- e) You may get a new window that asks for permission to continue. If so, click **Continue**.
- f) Click on the **Internet Protocol Version 4** option, then click the **Properties** button.
- g) Now click radial button for the **Obtain an IP address automatically** option, then the radial button for **Obtain DNS server address automatically**.
- h) Click **OK** and close all other open windows.

Windows 2000/XP Settings:

- i) (Windows XP) Click on **Start**, go to **Control Panels**, and click on **Network Connections**.
(Windows 2000) Click on the **Start** button, go to **Settings**, and click on **Network and Dial-up Connections**.
- j) Right-click on the **Local Area Connection** icon and choose **Properties** from the pop-up menu.
- k) In the window that opens, click on **Internet Protocol(TCP/IP)** to highlight it and then click on the **Properties** button.
- l) In the window that opens, choose **Obtain an IP Address Automatically**.
- m) Click **OK** on all open windows. You may need to restart your computer for the changes to take effect.

Windows 95/98/ME Settings:

- a) Click on the **Start** button.
- b) Click on **Settings** and then on **Control Panel**.
- c) Double-click on the **Network** icon.
- d) Once in the Network Control Panel, click on the TCP/IP protocol that has the arrow "->" pointing to your Ethernet card adapter, and then click on the **Properties** button.
- e) Make sure that the **Obtain an IP Address Automatically** button is selected.
- f) Click **OK** on all open windows. You may need to restart your computer for the changes to take effect.

Note: your Macintosh must be Ethernet-capable. You may also need an AAUI Ethernet Transceiver depending on your model. Consult your computer's documentation or your vendor for system specifications.

Mac OS X:

- a) Click on the **Apple Menu**.
- b) Click on **System Preferences**, and then on **Network**.
- c) From the **Location** drop-down box, choose **Automatic**.
- d) From the **Show** drop-down box, choose **Built-in Ethernet**.
- e) Click the **TCP/IP** tab.
- f) From the **Configure** Drop-down box, choose **Using DHCP**.
- g) Close the window. When prompted, save your changes.

Mac OS 9 and below:

- a) Click on the **Apple Menu**.
- b) Click on **Control Panels**, and then on **TCP/IP**.
- c) From the **Connect** drop-down box, choose **Ethernet**.
- d) From the **Configure** drop-down box, choose **Using DHCP Server**.
- e) Close the window. When prompted, save your changes.

6. Configuring your computer to connect via DSL

After you have installed your DSL Modem and Ethernet card and entered the correct network settings, you may need to make one more set of changes in order to be connected via DSL.

If you have followed steps 1 through 6 of this manual then you should not need to do anything else to complete your connection. If you have followed these steps and are having problems connecting, browsing the web or sending and receiving email, please call the technical support department for your ISP for assistance.

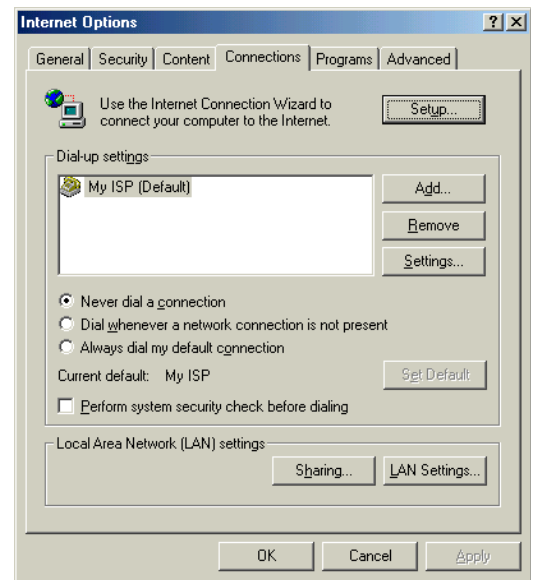
In order to complete your connection with a computer running a Windows Operating System (Windows 95, 98, ME, 2000) you will need to tell your computer to connect via a LAN. This is done via the **Internet** or **Internet Options** control panel.

1. Click on your **Start** button.
2. Scroll up to **Settings**, and click on **Control Panel**.
3. In the **Control Panel** window, you will find an Icon labeled either **Internet** or **Internet Options**. Click on this Icon. When the Icon opens, click on the **Connections** tab at the top of the window.

Please consult the following screen shots to find your version of the **Internet** or **Internet Options** control panel, and edit your settings to match:

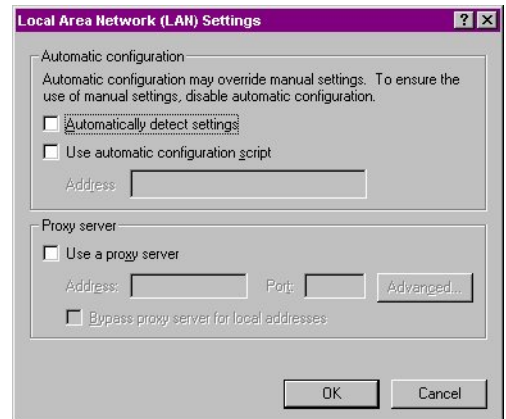
- **Internet Explorer version 5 or 5.5**

If your **Connections** screen looks like this, Click the Radio Button labeled **Never dial a connection**. Then Click on the **LAN Settings** button.



In the **LAN Settings** window, make sure that all boxes are **Unchecked**.

Click the **OK** button to close this window, and then click On the **OK** button in the **Internet Properties** window. Then close the **Control Panel** window.



Configure your email client

Most email clients do not need any special setup in order to function over your DSL connection. One exception to this is Microsoft Outlook Express. If you use a mail client other than Outlook Express, try sending and receiving your email. If the program prompts you to dial up, consult the program's help files to determine how to connect over a LAN. If you do use Outlook Express, please consult the directions on the next page.

Configuring Outlook Express 5, 6, or Vista Mail:

- Open Outlook Express (or Vista Mail).
- Click on the **Tools** pull-down menu, and select **Accounts**.
- Click on the **Mail** tab.
- Click on your account to highlight it, and then click the **Properties** button.
- Click on the **Connection** tab.
- Check the box labeled **Always connect to this account using:**
- Click on the drop-down box and select **Local Area Connection**.
Click on the **OK** button to close this window.
- If you have more than one email account configured
In Outlook Express, repeat this procedure for each
Email account. When you have finished configuring
All of your email accounts, click on the **Close** button in the
Internet Accounts box.