

Step 2: Configure the PCs



In Step 2, you will configure each of your computers to be able to communicate with the Router.

To do this, you need to configure your PC's network settings to obtain an IP (or TCP/IP) address automatically (called DHCP). Computers use IP addresses to communicate with each other across a network or the Internet.

Find out which operating system your computer is running, such as Windows 95, 98, Millennium, NT 4.0, 2000, or XP.

You will need to know which operating system your computer is running. You can find out by clicking the **Start** button and then going to the **Settings** option. Then click **Control Panel**, and then double-click the **System** icon. If your Start menu doesn't have a Settings option, you're running Windows XP. Click the **Cancel** button when done.

You may need to do this for each computer you are connecting to the Router.

The next few pages tell you, step by step, how to configure your network settings based on the type of Windows operating system you are using. Once you've configured your computers, continue to Step 3: Configure the Router.

If you are running:
Windows 95, Windows 98, Windows Millennium

- Go to the Network screen by clicking the **Start** button. Click **Settings** and then **Control Panel**. From there, double-click the **Network** icon.
- On the Configuration tab, select the **TCP/IP** line for the applicable Ethernet adapter*. If the word **TCP/IP** appears by itself, select that line.** Click the **Properties** button.
- Click the **IP Address** tab. Select **Obtain an IP address automatically**.
- Now click the **Gateway** tab to ensure that the Installed Gateway field is left blank. Click the **OK** button.
- Click the **OK** button again. Windows may ask you for the original Windows installation disk or additional files. Supply them by pointing to the correct file location, e.g., D:\win98, D:\win9x, c:\windows\options\cabs, etc. (if "D" is the letter of your CD-ROM drive).
- Windows may ask you to restart your PC. Click the **Yes** button. If Windows does not ask you to restart, restart your computer anyway.



*Note: Do not choose a TCP/IP entry whose name mentions DUN, PPPoE, VPN, or AOL.

**Note: If there is no TCP/IP line listed, refer to the User Guide found on the Setup Wizard CD-ROM or your Ethernet adapter's user guide to install TCP/IP now.

If you are running:
Windows 2000

- Go to the Network screen by clicking the **Start** button. Click **Settings** and then **Control Panel**. From there, double-click the **Network and Dial-up Connections** icon.
- Select the **Local Area Connection** icon for the applicable Ethernet adapter (usually it is the first Local Area Connection listed). Double-click the **Local Area Connection**. Click the **Properties** button.
- Select **Internet Protocol (TCP/IP)**, and click the **Properties** button.
- Select **Obtain an IP address automatically**. Once the new window appears, click the **OK** button. Click the **OK** button again to complete the PC configuration.
- Restart your computer.



If you are running:
Windows XP

- The following instructions assume you are running Windows XP with the default interface. If you are using the Classic interface (where the icons and menus look like previous Windows versions), please follow the instructions for Windows 2000.
- Click to the Network screen by clicking the **Start** button and then **Control Panel**. From there, click the **Network and Internet Connections** icon and then the **Network Connections** icon.
 - Select the **Local Area Connection** icon for the applicable Ethernet adapter (usually it is the first Local Area Connection listed). Double-click the **Local Area Connection**. Click the **Properties** button.
 - Select **Internet Protocol (TCP/IP)**, and click the **Properties** button.
 - Select **Obtain an IP address automatically**. Once the new window appears, click the **OK** button. Click the **OK** button again (or the **Close** button if any settings were changed) to complete the PC configuration.
 - Restart your computer.



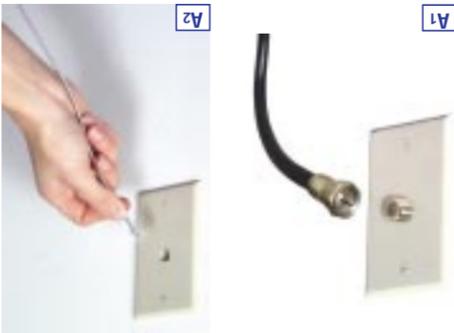
Step 1: Connect the Router



In Step 1, you will connect the Router to your cable or DSL modem and to the computers in your home or business.

First, make sure that all devices you'll be working with are powered down, including your PCs, modem, and the Router.

A. If you haven't already done so, connect your cable or DSL modem to its proper connection—the coaxial jack for cable (Figure A1), or the phone jack for DSL (Figure A2). (Follow the instructions from your cable or DSL modem's installation guide.)



Note: For ease of installation, start with LAN Port 4/DMLZ, then Port 3, then Port 2, and finally Port 1.

If you are connecting more than four PCs to the Router, you will need to connect a hub or switch to Port 1, 2, 3, or 4/DMLZ of the Router. Please refer to the User Guide located on the Setup Wizard CD-ROM.



C. Connect an Ethernet cable to your PC's Ethernet adapter. Connect the other end of the cable to one of the LAN ports on the back of the Router. Repeat this process for every PC you wish to connect to the Router.

Note: If your PC's Ethernet adapter is not set up, please refer to the Ethernet adapter's user guide for more information.



D. Connect the power adapter to the Router. Connect the power adapter to the electrical outlet. Turn on the cable or DSL modem. Then turn on the first PC you wish to use to configure the Router.



Proceed to Step 2: Configure the PCs on the next page.

Congratulations! Thank you for choosing the Linksys Ethernet® Cable/DSL Firewall Router. The Router allows you to set up a home or small business network to share your high-speed Internet connection.

Why do I need a network? Networks are useful for sharing computer resources such as printers, files, and CD-ROM drives. Networks are even used for playing multiplayer video games. So, not only are networks useful in homes and businesses, but they can also be used for fun.

The most remarkable thing the Router does is to let you share your high-speed cable or DSL connection to the Internet. The Router connects your LAN (Local Area Network) to a WAN (Wide Area Network). The Internet is a network that, being global, covers the widest area of all! All PCs connected to the Router can share this connection.

Then the Router is connected to your cable or DSL modem. The Router makes it seem as if each PC is connected directly to the Internet. Several PCs can then use one Internet connection simultaneously.

Use the **Linksys Router Setup Wizard CD-ROM** or the instructions in this **Fast Start** to help you connect the Router, configure your PCs, and configure the Router. These instructions will get you up and running quickly using the most basic settings. Once you have access to the Internet, you can get advanced configuration information (for gaming, VPNs, web hosting, etc.) by visiting our website at support.linksys.com or by reading the User Guide on the Setup Wizard CD-ROM.

How is this accomplished? You will be setting up a simple LAN. Your PCs are connected via Ethernet cable from an Ethernet adapter (in or attached to your PC) to one of the Router's LAN ports. The term "Ethernet" is used to refer to your network accessories, such as cables and adapters, because Ethernet refers to the type of network you are setting up.

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You may have different computers than what are pictured here, but the setup is similar. The Router lets you share your fast cable or DSL connection among several computers in your home or business. This is called a Local Area Network or LAN.

This **Fast Start** guide gives you the "big picture" of what you need to set up a basic home or business network. The next three sections explain how you will set up and configure your equipment to enable shared high-speed access to the Internet.

Step 1: Connect the Router
Connect the Router to your cable or DSL modem and to your notebook or desktop PCs.

Step 2: Configure the PCs
Configure your notebook or desktop PCs to be able to communicate with the Router.

Step 3: Configure the Router
Do the basics to get the Router to work with your cable or DSL modem and your ISP's settings.

Introduction



Fast Start

Cable/DSL Firewall Router

With 4-Port Switch/VPN Endpoint

If you are doing a brand new setup, please use the Fast Start guide to get you up and running quickly!

Broadband Networking
www.linksys.com

