

Internet & Ethernet System

This is a brief overview for setting up your Internet Service. **It is helpful to you that you read and follow these instructions.**

General Information:

Internet service is the resident's responsibility. Your personal Ethernet system can be set up. The incoming Internet Service modem can be located in the closet under the stairs where there is an eight port switch that distributes service to the "Data Ports" located in the living room and each bedroom. This switch is located in the telecom panel in the closet under the stairs. This switch and cabling should not be altered under any circumstances.

Accessing the Internet:

To use your Ethernet you simply need to plug an Ethernet cable from your computer into one of the "Data Ports" located in the living room and each bedroom. Your computer should be set to automatically receive a dynamic IP address.

Should you have any issues connecting to the internet, please see the "Troubleshooting Tips" attached. On occasion following an Internet or power outage, you may experience difficulty reconnecting to the Internet. This sheet also contains helpful information for those circumstances.

Virus & Spyware Issues:

To keep your Ethernet system functioning at top performance, you should have and maintain Anti-Virus and Anti-Spyware. This software should be set for daily automatic updates as well as scheduled for daily scans. Your failure to do so could cause significant problems. Should a virus or other unwanted program find its way on to your computer, it can send out spam, eat up bandwidth and create other issues.

Adding a Wireless Router:

Should you desire to add a wireless router, it is necessary to precisely follow the attached instructions.

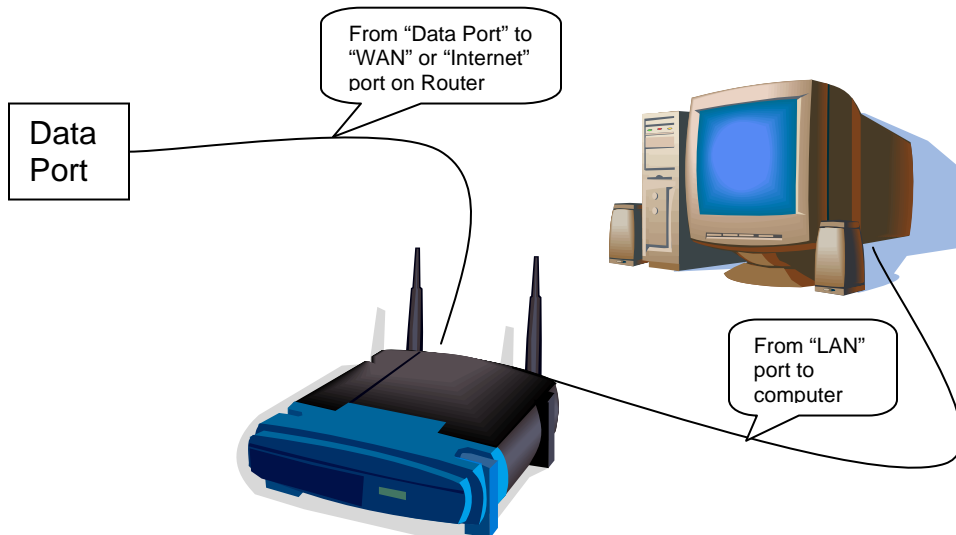
Adding a Wireless Router

Should you wish to add a wireless router, please be sure to:

1. Follow these instructions carefully and completely.
2. If you are unsure of what you are doing, ask questions first and/or obtain professional assistance to avoid causing problems on the system.

A wireless router may only be installed and connected to one of the Data Ports located in the living room and each bedroom. **Important:**

- Do not install your wireless router ahead of the Ethernet switch in your unit.
- Do not change or alter the connections of the Ethernet switch or any cabling.
- Your wireless router should be connected using a Cat5 Ethernet cable from one of the "Data Ports" in the house to the port labeled "WAN" or "Internet" on your router. Do not connect it to a "LAN" port.
- Should you wish to connect a computer(s) via hardwire to your wireless router, they should be connected to one of the "LAN" ports.
- Consult the diagram below.



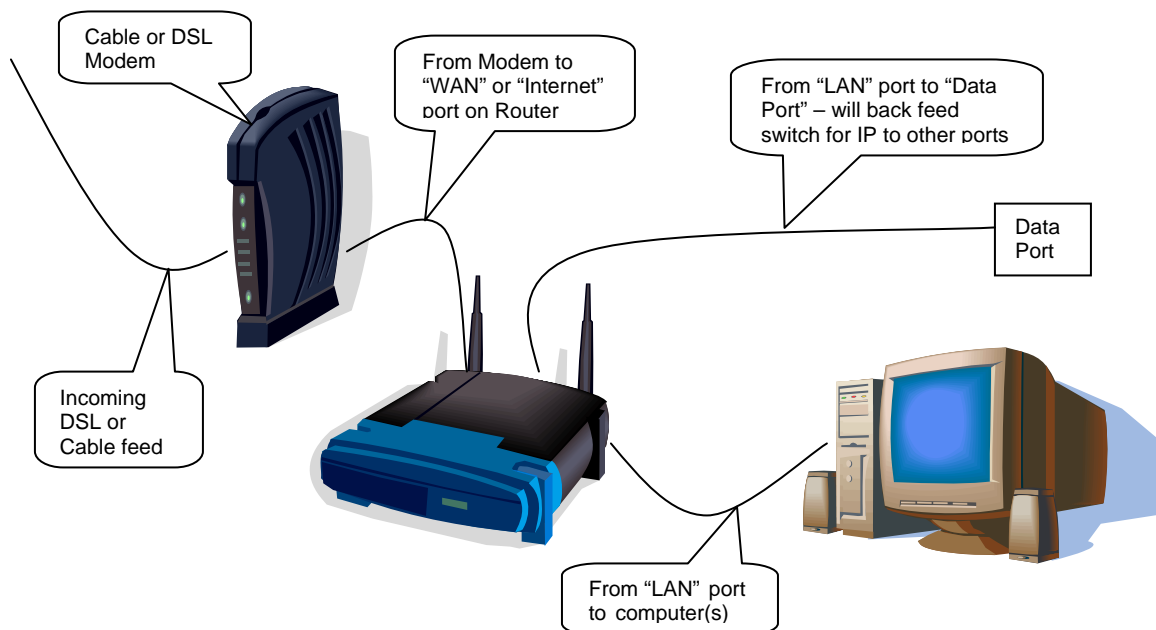
Getting Your Own ISP (Internet Service Provider)

When you obtain your own ISP, please be sure to:

1. Follow these instructions carefully and completely.
2. If you are unsure of what you are doing, ask questions first and/or obtain professional assistance to avoid causing problems on the system.

Your new modem may only be located and installed in the living room or one of the bedrooms. **Important:**

- Exterior antenna or wiring is strictly prohibited.
- Do not install your modem ahead of the Ethernet switch in your unit.
- Do not change or alter the connections of the Ethernet switch or any cabling.
- Your modem should be connected to your “DSL” or “Cable” ISP provider with the appropriate cable. If you plan to use this service with more than one computer you will require a router (either hard wire or wireless).
 - From the modem, connect to the “WAN” or “Internet” port of the router. If you are using a wireless router, this will provide wireless service.
 - If you wish to use the internal cabling in the house to distribute service to computers in other rooms, connect a Cat5 Ethernet cable from one of the “LAN” ports of the router to the “Data Port” in the wall. This will back feed the switch and allow your router to hand out IP addresses and distribute service.
 - Should you want to connect a desktop in the same room using a hard wire connection, this too should be connected to one of the “LAN” ports on the router.
- The typical installation is shown in the diagram below.



Troubleshooting Tips

1. Run Virus Software and Spyware scans and keep current on a daily basis.
2. When Internet service seems to slow down – restart computer.
3. When the Internet service goes down for any reason it may be necessary to power cycle all computers, the switch (located in the telecom panel in the closet under the stairs) and wireless router (if applicable).
 - a. Turn all computers off.
 - b. Pull the power cord from the back of the modem.
 - c. Pull the power cord from the back of the switch.
 - d. Pull the power cord from the back of the wireless router (if applicable).
 - e. Restart the modem, wait for all lights to show.
 - f. Restart the switch.
 - g. Restart the wireless router.
 - h. Restart all computers.
4. If there is a power outage or other type of interruption it may be necessary to renew the IP address for your computer. To renew the IP address:
 - a. Click Start
 - b. Click Run
 - c. Type CMD and choose OK
 - d. Type IPCONFIG /RELEASE hit enter
 - e. Type IPCONFIG /RENEW hit enter
 - f. Type EXIT
5. If using a wireless router and there still is no Internet service, pull the power cord from the back of your wireless router for 5 minutes and then reconnect the power cord to the back. This will cause your router to search for new IP addresses.
6. When your computer does not get Internet Service but all other computers in the house do:

Plug your computer into a “Data Port” that you know is getting Internet service. If your computer still is not getting service then there is likely an issue going on with your computer.