Frequently Asked Questions

This section provides answers to the commonly asked questions on your ADSL Ethernet Bridge Modem.

What is ADSL ?

ADSL, Asymmetric Digital Subscriber Line, is a broadband communication technology designed for use on regular phone lines. It has the ability to move data over the phone lines at speeds up to 140 times faster than the analog modem available today.

Why is it called Asymmetric ?

It is called asymmetric because more bandwidth is reserved for receiving data than for sending data. This is useful because many users of the Internet receive much more data than they send.

What are the benefits of ADSL over analog modems ?

Besides the high-speed advantage, ADSL connection is always on. There is no longer a need to log on and off, no more busy signals and no more waiting for the connection to established - it is always there. On top of these, you can use the phone even when the data connection is on. You do not need to switch between surfing the Net and talking over the phone.

Will my modem constantly connect near the maximum speed ?

At ADSL speeds, the limitations depend on the performance or load of the Internet Service Provider that you are trying to reach, as well as the line condition specific to your location.

Can I connect to Broadband Service everywhere I go?

No, you cannot. You can connect to this service, only via ADSL phone line enabled for Broadband Service provided by your Internet Service Provider (ISP).

Can I run both dial-up modem and ADSL modem ?

Yes, but it is not recommended. You may experience slowness during surfing as well as incurring additional cost of maintaining two active connections.

What is a Micro-Filter. Do I need to use it when using ADSL ?

Micro-Filter is a device that helps to eliminate noise on the telephone line, ensuring the best possible phone performance when your Modem and Telephone set are both sharing the same line.

The use of Micro-Filter is necessary for each of the Telephone set(s) or Facsimile machine that are sharing the same line with the Modem.

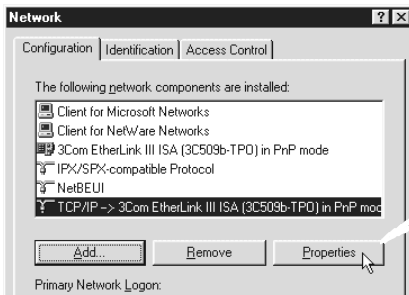(The Micro-Filters can be purchased separately from your dealer.)

How do I run the ADSL Ethernet Modem Utility (DSLTEST) ?

i) To run the DSLTEST, you need to configure your Ethernet Network card with a fixed IP Address:

For Windows 98 / Windows 98 Second Edition / Windows Me

a) From your Windows desktop, right-click on the **Network Neighborhood** icon and select **Properties**.

b) From the **Configuration** tab, select **TCP/IP->xxx** where **xxx** refers to the model of your Ethernet Network Card that is connected to the Ethernet Bridge Modem.
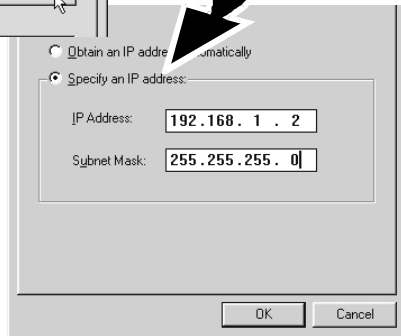
(This illustration uses **3Com EtherLink III** Network card as an example).

Click **Properties**.

(If you do not see your networking protocol, re-install your Network card).

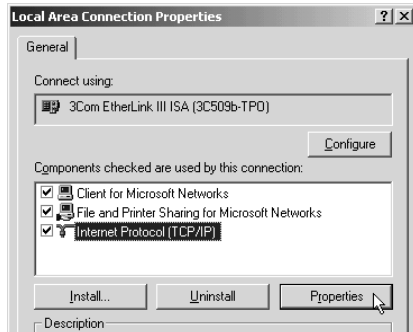c) Select the option S**pecify an IP address**. Enter the following values:

IP Address: 192.168.1.2
Subnet Mask: 255.255.255.0

Click **OK**. At the prompt for restart, restart your system.

For Windows 2000 / Windows XP

a) **Windows 2000**: From your Windows desktop, right-click on the icon **My Network Places** and select **Properties**.

   Windows XP: From your Windows desktop, click **Start** > **All Programs** > **Accessories** > **Communications** > **Network Connections.**

b) At the **Network and Dial-up Connections** window, right-click on the **Local Area Connection** icon and select **Properties**.

(This illustration uses **3Com EtherLink III** Network card as an example).

c) Ensure that the field **Connect Using** indicates the model of your Ethernet Network Card that is connected to the Ethernet Bridge Modem.
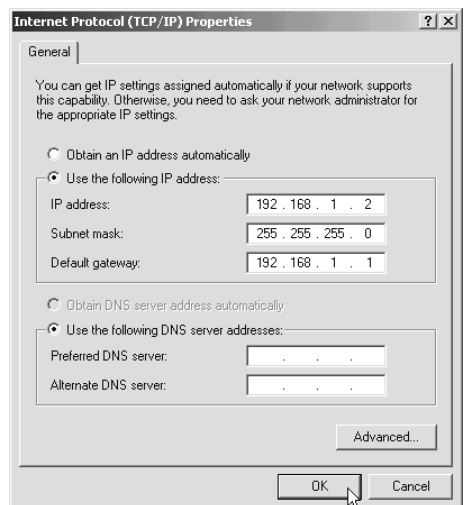
   (This is important especially if you have more than one Local Area Connection icons displayed at the Network and Dial-up Connections window. Ensure that you have selected the correct one.)

   Select **Internet Protocol (TCP/IP)** and click **Properties**.

d) Select the option **Use the following IP address**. Enter the following values:

   IP Address: 192.168.1.2
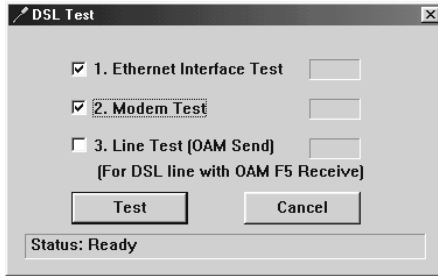   **Subnet Mask: 255.255.255.0**

   Click **OK**.

ii) You may now proceed to run the DSLTEST. From your Windows desktop, double-

click on the **DSLTEST** icon.

iii) Click on the box next to the Test that you want to perform. Click **Test**.

You should get a **PASS** for the tests. (Check with your ADSL Service Provider if the Line Test is applicable).
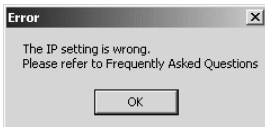
A **SKIP** means the test is not carried out as previous test(s) has or have failed. Proceed to fix the problem first before running the Diagnostics Test again.

Test	Description	Result=FAIL
Interface test	To test if your driver is installed properly.	Re-install your modem driver.
Modem test	To check if your system is communicating with the modem.	Check with your Internet ADSL Service Provider.
Line test (optional)	To check OAM F5 End-to-End loopback on the ATM network.	

The following error message is prompted when I run the DSLTEST.

To run the DSLTEST, you need to configure your Ethernet Network Card to a fixed IP address. See '**How do I run the ADSL Ethernet Modem Utility (DSLTEST)?**' on how to configure the card.