

APEXIA ADSL SETUP

1 Introduction

After completing the steps below your computer will automatically connect to the Internet when your computer is turned on. The Gnet ADSL modem that we supply you with comes with a built-in firewall that helps protect your computer from others on the Internet. If you are not using an Apexia supplied modem it is recommended that you use a separate firewall device available from Apexia Voice and Data Inc. or your local computer dealer.

System Requirements

In order to use your Gnet ADSL Ethernet Modem, you must have the following:

- ADSL service up and running on your telephone line
- A computer equipped with an Ethernet 10Base-T/100Base-T network interface card (NIC)

2 Getting to know your Gnet ADSL Ethernet Modem

Parts Check

In addition to this document, your Gnet ADSL Ethernet Modem box should contain the following items:

- One ADSL Ethernet Modem
- One Power adapter
- One RJ-45 straight-through Ethernet cable
- One RJ-11 Telephone cable
- ADSL filter(s) – Needed on every phone/fax/answering machine connected to same line as the ADSL service is on.

Front Panel

The front panel LED indicators can briefly show you the status of your Gnet ADSL Ethernet Modem:

Label/LED	Function
PWR	On: Unit is powered on Off: Unit is powered off
ADSL	On: ADSL link established and active Off: No ADSL link
PC	On: PC link established and active Off: No PC link established or active
RX	Flashes when ADSL data activity occurs. May appear solid when data traffic is heavy.
TX	Flashes when ADSL data activity occurs. May appear solid when data traffic is heavy.

Rear Panel

The rear panel contains the ports for the unit's data and power connections.

Label Function

On/Off	Switches the unit on and off.
POWER	Connects the device to an electrical outlet using the supplied power adapter.
CONSOLE	The console port is a RS-232C interface that is used for Command Line Interface configuration (not required).
10/100BASE-T	Connects the device to your PC's Ethernet port using the supplied RJ-45 straight-through Ethernet cable.
ADSL	Connects the device to a telephone jack using the supplied RJ-11 Telephone cable.

3 Installing the ADSL filters

Install ADSL line filters on all phones/fax/answering machines that are on the same line as the ADSL service is on. Do NOT install a filter on the modem.

4 Connecting the Gnet ADSL modem to your computer

WARNING

Before you begin, turn the power off for all devices. These include your computer and the Gnet ADSL External Modem.

Step 1. Connect the RJ-11 ADSL telephone cable.

Connect one end of the provided RJ-11 Telephone cable to the port labeled ADSL on the rear panel of the modem. Connect the other end to your wall jack.

Step 2. Connect the RJ-45 Ethernet cable.

Connect one end of the provided RJ-45 Ethernet cable to the port labeled 10/100BASE-T on the rear panel of the modem. Connect the other end to your Network Interface Card (NIC).

Step 3. Connect the power connector.

Connect the AC power adapter to the POWER connector on the back of the modem and plug in the adapter to a wall outlet or power bar.

Step 4. Turn on the Gnet ADSL Modem.

Switch the POWER switch on the back panel of the modem to the ON position.

Step 5. Turn on your computer.

Turn on and boot up your computer

5 Configuring the TCP/IP properties of your NIC

Windows. 95, 98, Me:

• CLOSE ALL PROGRAMS.

First, check for the TCP/IP protocol and, if necessary, install it:

1. In the **Windows** task bar, click on the **Start** button, highlight **Settings** and click on **Control Panel**.
2. Double-click the **Network** icon.

The **Network** dialog box will be displayed with a list of the currently installed network components. If the list includes the **TCP/IP** protocol for your NIC, please go to step 11.

3. If the **TCP/IP** protocol for your NIC is not displayed, click on the **Add** button.

The **Select Network Component Type** dialog box will be displayed.

4. Click on **Protocol** and then click on the **Add** button.

The **Select Network Protocol** dialog box will be displayed.

5. Click on **Microsoft** in the **Manufacturers** list box and then click on **TCP/IP** in the **Network Protocols** list box.
6. Click on the **OK** button to return to the Network dialog box and then click on the **OK** button again.

You may be prompted to install files from your Windows 95/98/ME installation CD. Follow the instructions to install the files.

7. Click on the **Yes** button to **Restart** your PC to complete the installation of the TCP/IP protocol.
 8. After your computer has restarted, **CLOSE ALL PROGRAMS**.
 9. In the **Windows** task bar, click on the **Start** button, highlight **Settings** and click on **Control Panel**.
 10. Double-click the **Network** icon.
 11. Click on the network component labeled **TCP/IP** for your NIC and then click on the **Properties** button.
- If you have multiple TCP/IP listings, please make sure that you select the listing associated with your NIC.
12. In the **TCP/IP Properties** dialog box, click on the **IP Address** tab and then click on the option **Obtain an IP address automatically** (make sure that the black dot is beside this option).
 13. Click on the **Gateway** tab and then Remove all **Installed gateways**.
 14. Click on the **DNS Configuration** tab and then click on the option **Disable DNS** (make sure that the black dot is beside this option).
 15. Click on the **OK** button twice to confirm and save your changes.
 16. Click on the **Yes** button to **Restart** Windows.
 17. The installation and setup of your TCP/IP protocol has now been completed.
 18. Run Internet Explorer (Double-click on the big blue “e” on your desktop)
 19. Click on the **Tools** menu → **Internet Options** menu in succession.
 20. Click on the **Connections** tab.
 21. Select the radio button **Never dial a connection**.
 22. Click on the **LAN Settings** button.
 23. Uncheck any options that are checked (if any).
 24. Click on the OK button twice to confirm and save your changes.
 25. Restart computer.
 26. Use Internet Explorer to surf the web or use Outlook Express for your email.
- If you need help configuring your email program please go to http://www.apexia.ca/support_email.html

Windows 2000 & XP:

• CLOSE ALL PROGRAMS.

First, check for the TCP/IP protocol and, if necessary, install it:

1. In the **Windows** task bar, click on the **Start** button, highlight **Settings** and click on **Control Panel**.
2. Double-click the **Network and Dial-up Connections** icon.
3. In the **Network and Dial-up Connections** window, right click on the **Local Area Connection** icon and then click on **Properties**.

The **Local Area Connection Properties** dialog box will be displayed with a list of currently installed network components. If the list includes **Internet Protocol (TCP/IP)**, please go to step 12.

4. If the **Internet Protocol (TCP/IP)** is not displayed as an installed component, click on the **Install** button.
5. In the **Select Network Component Type** dialog box, click on **Protocol** and then click on the **Add** button.
6. Click on **Internet Protocol (TCP/IP)** in the **Network Protocols** list, and then click on the **OK** button.

You may be prompted to install files from your Windows 2000 or Windows XP installation CD or other media. Follow the instructions to install the files.

7. If prompted, click on the **Yes** button to **Restart** your computer with the new settings.
8. After your computer has restarted, **CLOSE ALL PROGRAMS**.
9. In the **Windows** task bar, click on the **Start** button, highlight **Settings** and click on **Control Panel**.
10. Double-click the **Network and Dial-up Connections** icon.
11. In the **Network and Dial-up Connections** window, right click on the **Local Area Connection** icon and then click on **Properties**.
12. In the **Local Area Connection Properties** dialog box, click on **Internet Protocol (TCP/IP)** and then click on **Properties**.
13. In the **Internet Protocol (TCP/IP) Properties** dialog box, click on the option **Obtain an IP address automatically** (make sure that the black dot is beside this option) and click on the option **Obtain DNS server address automatically** (make sure that the black dot is beside this option).

14. Click on the **OK** button twice to confirm and save your changes and then close the Control Panel.

15. The installation and setup of your TCP/IP protocol has now been completed.

16. Run Internet Explorer (Double-click on the big blue "e" on your desktop)

17. Click on the **Tools** menu → **Internet Options** menu in succession.

18. Click on the **Connections** tab.

19. Select the radio button **Never dial a connection**.

20. Click on the **LAN Settings** button.

21. Uncheck any options that are checked (if any).

22. Click on the OK button twice to confirm and save your changes.

23. Restart computer.

24. Use Internet Explorer to surf the web or use Outlook Express for your email.

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