(continued on next page -->)

The Telnet window displays the *Main Menu*.

- Macintosh OS X users launch the *Terminal* application, either from the Dock or from the Utilities folder, and type "telnet 192.168.1.1" (without the quotes).

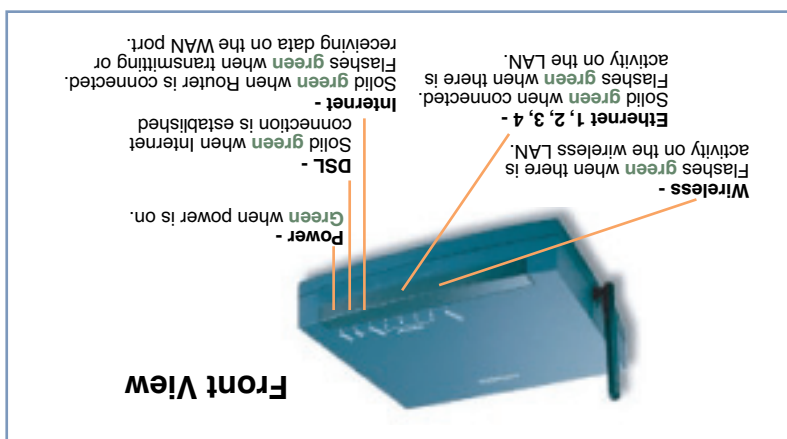- Windows users click on the *Start* menu, select *Run*, and in the resulting entry box, type "telnet 192.168.1.1" (without the quotes).

Run a Telnet application from the computer on the same network as the Router.

Your service provider will supply you with several parameter values. Access the configuration screens as follows:

4 Configure Your Netopia Router

If you need instructions, refer to your computer's operating system documentation for information about DHCP configuration.

Netopia Routers serve Dynamically-assigned IP addresses by default. Be sure to configure each computer connected to your Netopia Router to accept a Dynamically-assigned IP address, commonly referred to as DHCP.

3 Configure Your PCs for DHCP

Front View

- **Power –** Green when power is on.
- **DSL –** Solid green when Internet connection is established.
- **Internet –** Solid green when Router is connected. Flashes green when transmitting or receiving data on the WAN port.
- **Wireless –** Flashes green when there is activity on the wireless LAN.
- **Ethernet 1, 2, 3, 4 –** Solid green when connected. Flashes green when there is activity on the LAN.

When all of your connections are made, the status LEDs on the front of your Netopia Router will light, according to the following diagram:

Rear View

- DSL Port
- Ethernet Ports
- Power Switch
- DC Power

When all of your connections are made, your network may look like this.

Wait for the DSL Sync light on the front of the Router to turn solid green. This could take up to two minutes.

5. **Insert one end of the gray RJ-11 cable into the port labeled 'DSL' on the Router, and the other end into your DSL jack.**

4. **Insert one end of the yellow RJ-45 Ethernet cable into one of the ports labeled 'Ethernet' on the Router, and the other end into your PC's Ethernet port.**

3. **Turn the power on by flipping the Off/On switch to the 'On' position.**

2. **Connect the power supply to the power jack on the Router back panel, and the other end into an outlet.**

- Be sure that the antenna is in the vertical position.
- Keep the cords away from other electrical devices that may interfere with the operation of your Router.
- You can lay it flat or mount on the wall.
- Place it in a spot that is easily accessible for you.

1. **Unpack your wireless Router and decide where you want to place it. Things to consider:**

2 Set up your Router


BROADBAND WITHOUT BOUNDARIES® **netopia**.

Quickstart Guide

Netopia® 3347-02-ENT and 3357-02-ENT Extreme Wireless DSL Router

4-Port Ethernet, 802.11g Wireless

Thank you for selecting the Netopia 3347-02-ENT or 3357-02-ENT Extreme Wireless DSL Router. This guide will help you set up and configure your network. [FAQs and Troubleshooting Tips are located on the inside pages.]

1 Checklist

Check your package contents. It should contain the items shown here:

Netopia Router
Quickstart Guide

Power Supply
Gray RJ-11 Telephone Cable
Yellow RJ-45 Ethernet Cable
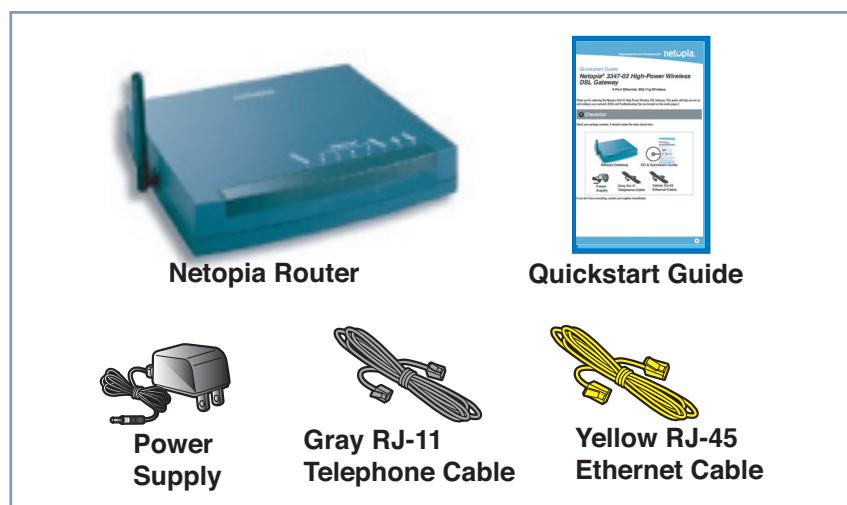
If you don't have everything, contact your supplier immediately.

```
            Netopia 3347-02 v8.7.0

    Easy Setup...
    WAN Configuration...
    System Configuration...
    Utilities & Diagnostics...
    Statistics & Logs...
    Quick Menus...
    Quick View...


You always start from this main screen.
```

In the Telnet screens, move from field to field with the arrow keys. Select items with the *Return* key, and toggle items with the *Tab* key followed by *Return*.

Select *Easy Setup* and press *Return*.

```
            ADSL Line Configuration

    Trellis Coding Enabled:      On

    Fast Retrain Enabled:        On


    Data Link Encapsulation...   RFC1483
    Annex Modes enabled:         Off
    Data Circuit VPI (0-255):    8
    Data Circuit VCI (32-65535): 35


    PREVIOUS SCREEN              NEXT SCREEN
```

The *ADSL Line Configuration* screen appears.

Your service provider must provide appropriate settings for this screen.

Make any changes that your service provider requires or simply accept the defaults. Select *NEXT SCREEN* and press *Return*.

```
       Connection Profile 1: Easy Setup Profile

    Underlying Encapsulation...  None
    RFC1483 Mode...              Bridged 1483


    Address Translation Enabled: Yes
    IP Addressing...             Numbered

    Local WAN IP Address:        0.0.0.0
    Local WAN IP Mask:           0.0.0.0


    PREVIOUS SCREEN              NEXT SCREEN

Enter basic information about your WAN connection with this screen.
```

The *Connection Profile 1: Easy Setup Profile* screen appears.

Your service provider must provide appropriate settings for this screen.

Make any changes that your service provider requires or simply accept the defaults. Select *NEXT SCREEN* and press *Return*.

```
                  IP Easy Setup

    Ethernet IP Address:         192.168.1.1
    Ethernet Subnet Mask:        255.255.255.0
    Domain Name:                 isp.com
    Primary Domain Name Server:  0.0.0.0
    Secondary Domain Name Server: 0.0.0.0

    Default IP Gateway:          0.0.0.0

    IP Address Serving:          On

    Number of Client IP Addresses: 100
    1st Client Address:          192.168.1.100


    PREVIOUS SCREEN              NEXT SCREEN

Enter an IP address in decimal and dot form (xxx.xxx.xxx.xxx).
Set up the basic IP & IPX attributes of your Netopia in this screen.
```

The *IP Easy Setup* screen appears.

Your service provider must provide appropriate settings for this screen.

Make any changes that your service provider requires or simply accept the defaults. Select *NEXT SCREEN* and press *Return*.

(continued on inside pages)
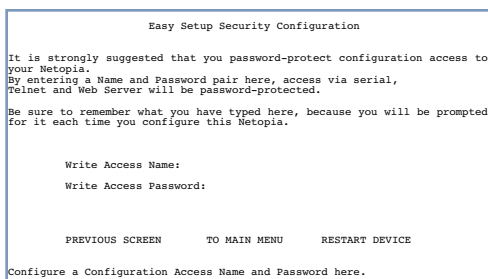
The *Easy Setup Security Configuration* screen appears.

Enter a name and password that will limit access to the Router's configuration screens. Select *RESTART DEVICE* and press *Return*.

Your Router will then restart and your settings will take effect.

Congratulations! Your connection is up and running and you should be able to browse the Internet by typing a URL address in your browser's Address text box or by selecting any of your favorite bookmarks. After your Router negotiates its connection to the Internet, you should access the Netopia product registration page to register your Router at **http://www.netopia.com/equipment/products/product_reg.html.**

Wireless Networking. Your Netopia Router ships with wireless networking enabled by default. Your Wi-Fi client devices can simply scan for the presence of the Netopia device and detect it automatically. However, we strongly recommend that you enable some form of Wi-Fi privacy encryption on your wireless network. Your Netopia Router supports all the popular Wi-Fi encryption technologies. Detailed instructions for choosing and enabling them can be found in the

3300-ENT Enterprise Series User Guide available on-line at: **http://www.netopia.com/support/hardware/documentation.html**

Frequently Asked Questions (and Answers)

Q: Why is my DSL light flashing green?

A: A flashing green light indicates that no cable is attached to the DSL port or that the Netopia Router is negotiating a connection. A solid green DSL light indicates that an internet connection is established.

If your DSL light does not become solid green, verify that the connection from the Netopia Router's DSL port to the telephone/DSL jack is secure. If the connection is secure, contact your ISP (Internet Service Provider) to verify that your DSL line is functioning properly.

Q: "I forgot my password, how can I access my Netopia Router?"

A: If you don't have a password, the only way to access the Netopia Gateway is the following:

Referring to the following diagram, find the round Reset Switch opening.

Factory Reset Switch

Carefully insert the point of a pen or an unwound paperclip into the opening.

• If you press the factory default button for less than 1/2 a second, the unit will continue to run as normal.
• If you press the factory default button for more than 3 seconds, when you release it, the Router will perform a factory reset, clear all settings and configurations, and reboot.

Note: To assure the Netopia Router factory defaults you MUST hold the reset switch for more than 3 seconds. When you release it, the Router will perform a factory reset, clear all settings and configurations, and reboot.
Keep in mind that after a factory reset, all of your settings will need to be reconfigured.

Q: What is the default IP address of my Netopia Router?

A: The default IP address of the Netopia Router is 192.168.1.1. You may access the menu based configuration screens by typing `telnet 192.168.1.1` in your terminal program window.

Q: I made some configuration changes in my Netopia Router and the changes have not taken effect.

A: Any configuration changes made to the Netopia Router require a save and restart before they take effect. If you see a yellow alert symbol beneath the "Help" button on the right-hand end of the menu bar this means that the changes have not yet been saved. (Click on the yellow alert symbol to validate the changes and then click the link "Save and Restart.")

Q: How do I access the configuration screens of my Netopia Router?

A: You may access your Netopia Router by typing `telnet 192.168.1.1` in your terminal program window.

Note: By default, your Netopia Router has an Ethernet IP Address of 192.168.1.1.

Q: What is the default user name and password of the Netopia Router?

A: Netopia Routers are not distributed with a default password. Upon initial configuration, the Router requires a new password to be set.

Q: How do I register my Netopia Router?

A: Please register your Netopia Router by navigating to the following URL:

http://www.netopia.com/equipment/products/product_reg.html

By registering Netopia products, you'll be assured of faster service, timely notification of product updates and qualifications for upgrade discounts.

Basic Troubleshooting

This section gives some simple suggestions for troubleshooting problems with your Router's initial configuration.

Before troubleshooting, make sure you have

• plugged in all the necessary cables; and
• set your PC's TCP/IP controls to obtain an IP address automatically.
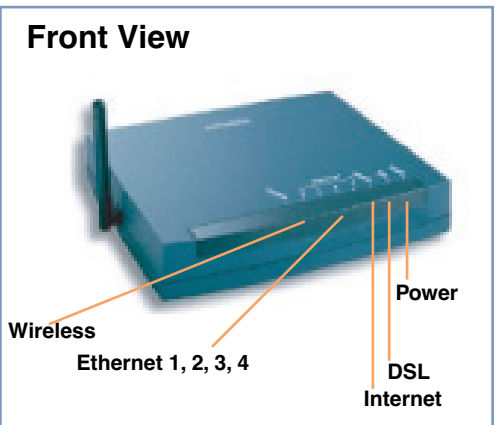
The first step in troubleshooting is to check the status indicator lights (LEDs) in the order outlined below.

LED Function Summary

	Power	DSL	Internet	Ethernet	Wireless
Unlit	No power	No signal	No signal	No signal	No signal
Solid Green	Power on	Internet connection is established.	Router is connected.	Synched with Ethernet card	Synched with WLAN
Flashing Green	N/A	Activity on the DSL cable	Transmitting or receiving data.	Activity on the Ethernet cable	Activity on the WLAN

If a status indicator light does not look correct, look for these possible problems:

If LED is not Lit	Possible problems
Power	• Make sure the power switch is in the ON position. • Make sure the power adapter is plugged into the DSL Router properly. • Try a known good wall outlet. • Replace the power supply and/or unit.
DSL	• Make sure that any telephone has a microfilter installed. • Make sure the you are using the correct cable. The DSL cable is the thinner standard telephone cable. • Make sure the DSL cable is plugged into the correct wall jack. • Make sure the DSL cable is plugged into the DSL port on the DSL Router. • Make sure the DSL line has been activated at the central office DSLAM. • Make sure the DSL Router is not plugged into a micro filter. • Launch a browser and try to browse the Internet. If the DSL Active light still does not flash, then proceed to Advanced Troubleshooting as described in the *User Guide*.
Ethernet	• Make sure the you are using the Ethernet cable, not the DSL cable. The Ethernet cable is thicker than the standard telephone cable. • Make sure the Ethernet cable is securely plugged into the Ethernet jack on the PC. • Make sure the Ethernet cable is securely plugged into the Ethernet port on the DSL Router. • Try another Ethernet cable if you have one available. • Make sure you have Ethernet drivers installed on the PC. • Make sure the PC's TCP/IP Properties for the Ethernet Network Control Panel is set to obtain an IP address via DHCP. • Make sure the PC has obtained an address in the 192.168.1.x range. (You may have changed the subnet addressing.) • Make sure the PC is configured to access the Internet over a LAN. • Disable any installed network devices (Ethernet, HomePNA, wireless) that are not being used to connect to the DSL Router.
Wireless	• Make sure your client PC(s) have their wireless cards correctly installed and configured. • Check your client PC(s) TCP/IP settings to make sure they are receiving an IP address from the wireless Router. • Check the Router's log for wireless driver failure messages.

Front View

Power

Wireless

Ethernet 1, 2, 3, 4

DSL
Internet

IMPORTANT SAFETY INSTRUCTIONS – POWER SUPPLY INSTALLATION
Connect the power supply cord to the power jack on the Netopia Router. Plug the power supply into an appropriate electrical outlet.
CAUTION:
Depending on the power supply provided with the product, either the direct plug-in power supply blades, power supply cord plug or the appliance coupler serves as the mains power disconnect. It is important that the direct plug-in power supply, socket-outlet or appliance coupler be located so it is readily accessible.
(Sweden) Apparaten skall anslutas till jordat uttag när den ansluts till ett nätverk
(Norway) Apparatet må kun tilkoples jordet stikkontakt.
TELECOMMUNICATION INSTALLATION
When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:
• Do not use this product near water, for example, near a bathtub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
• Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electrical shock from lightning.
• Do not use the telephone to report a gas leak in the vicinity of the leak.
PRODUCT VENTILATION
The Netopia Router is intended for use in a consumer's home. Ambient temperatures around this product should not exceed 104°F (40°C). It should not be used in locations exposed to outside heat radiation or trapping of its own heat. The product should have at least one inch of clearance on all sides except the bottom when properly installed and should not be placed inside tightly enclosed spaces unless proper ventilation is provided.
SAVE THESE INSTRUCTIONS

Technical Support:
If you have any questions or run into any difficulty, answers to many frequently asked product-related questions, as well as full product documentation with advanced configuration instructions, are also available on-line at: **http://www.netopia.com/support**

Note the serial number (SN:) of your Router. It is located on the label on the bottom of the Router below the model number. You will need the Router's serial number if you need to call for technical support.