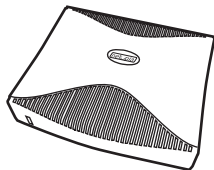


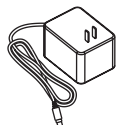
## 4622 T1 Router Series

# 1 CONNECT THE ROUTER

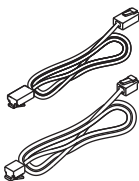
**First.** Locate all items in your box that you need for the installation. You'll also need a computer on Ethernet.



Netopia Router



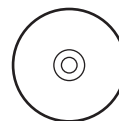
Power Adapter



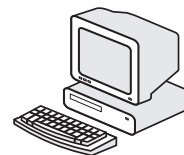
2 twisted pair cables  
For T1 connection and  
10 BaseT Ethernet.



Console cable  
You may need this later,  
but not now.

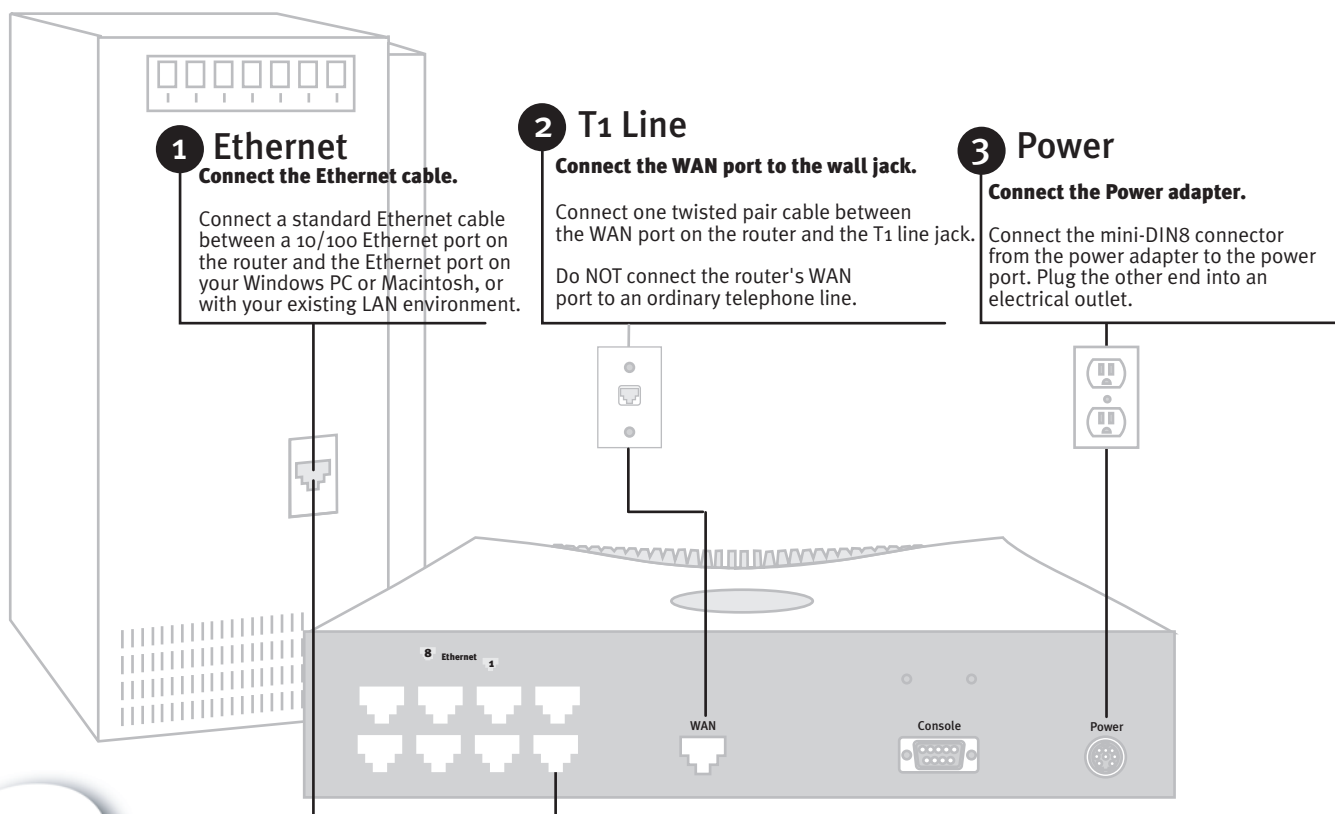


Netopia CD  
Software &  
reference manuals.



Computer on Ethernet  
Windows PC or Macintosh  
on Ethernet with TCP/IP  
installed.

**Next.** Connect the Router.



# 2 CONFIGURE THE ROUTER

## Launch your Telnet application

Follow the instruction on the next page to run Telnet and complete your Netopia Router's Easy Setup procedure.

OVER 

## Launch Telnet

Be sure your PC or Macintosh network software is set to obtain a dynamically assigned (DHCP) IP address from the router. If you don't know how to do this, refer to the on-line documentation on the Netopia CD. Then:

- Windows users click on the **Start** menu, select **Run**, and in the resulting entry box, type "telnet 192.168.1.1" (without the quotes).
- 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).
- Classic Macintosh OS users need to install the *NCSA Telnet* application, included on the Netopia CD. Then launch NCSA Telnet and type "telnet 192.168.1.1" (without the quotes).

**NOTE:** Advanced configuration options available via Telnet are explained in the online documentation on your Netopia CD.

The Netopia **Main Menu** appears in your Telnet window.

## T1 Easy Setup

1. Select **Easy Setup** and press Return. The T1 Line Configuration screen appears. In the console 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.
2. You may need to configure the following parameters using information provided by your service provider:

Parameter	Default	Options
Operation Mode:	HDLC	CM-HDLC, ATM
Line Encoding:	B8ZS	AMI
Framing Mode:	ESF	D4
AutoDetect DSO Channels: *	No	Yes
Number of DSO Channels:	1	up to 24
First DSO Channel:	1	any within the number above
Contiguous Channels: **	Yes	No
Channel Data Rate:	Nx64k	Nx56k
Data Link Encapsulation:	Frame Relay	PPP, HDLC, RFC 1483
PPP over Frame Relay Enabled:	Off	On

\* Netopia routers whose model number ends in **"-T"** may be able to use the auto detection feature. Toggle this item to Yes if your service provider uses equipment that supports DSO channel auto detection. Otherwise accept the default No.

\*\* only if # of channels is greater than 1 and less than 13.

Down arrow key until you get to **NEXT SCREEN**. Press Return. The Connection Profile 1: Easy Setup Profile screen appears.

3. Select or enter the required information:
    - Using Address Translation or not. Toggle to Yes or No.
    - If using PPP, HDLC, or RFC 1483 accept the default Local WAN IP Address which permits dynamic IP address assignment or enter a Local WAN IP Address, Remote IP Address and Mask as defined by your ISP. Select PPP Authentication. Choose your PPP Authentication method, if any, from the pop-up menu and press Return. Enter any required Authentication information in the fields that appear and press Return.
    - If using Frame Relay, choose Numbered or Unnumbered IP Addressing.
      - If Numbered, enter your Local WAN IP Address and Local WAN IP Mask in their respective fields.
      - If Unnumbered, enter your Remote WAN IP Address and Remote WAN IP Mask in their respective fields.
- Choose your Frame Relay Management Type: ANSI (Annex D), CCITT (ANNEX A), LMI, or None.  
Down arrow key to NEXT SCREEN. Press Return. The IP Easy Setup screen appears.
4. Accept the default Ethernet IP Address 192.168.1.1, or change it to what you will use. Accept or change the Ethernet Subnet Mask.
  5. Enter your Domain Name, Primary Domain Name Server address, Secondary Domain Name Server address (field appears if you enter a Primary Domain Name Server address) and Default IP Gateway.
  6. IP Address Serving is On by default. Toggle it to Off if you don't want to serve dynamic IP addresses on your network.  
If you do serve addresses, you can assign the number of addresses and the starting address in the range.  
Down arrow key to NEXT SCREEN and press Return. The Easy Setup Security Configuration screen appears.
  7. Enter a user name and password to protect your configuration screens.  
Down arrow key to **RESTART DEVICE** to reboot the router and activate your settings.

The router will restart and your configuration settings will be activated. You can then Exit or Quit your Telnet application. Refer to the online documentation for additional advanced configuration options.