

Configuring the Netopia 660 for Leased Line Service

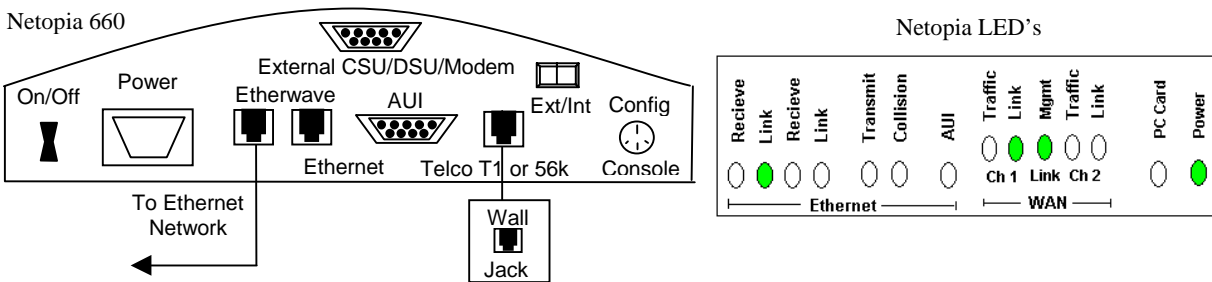
Setup:

The Netopia 660DDS and 660T1 has an internal CSU/DSU along with a serial port to connect an external CSU/DSU. To access the internet your router requires only 3 connections:

1. Connect the Ethernet Cable (RJ45) from one of the Ethernet ports on the back of the router to your LAN. Use a straight through RJ45 cable if you're connecting to a hub or a cross over RJ45 if you're connecting directly to an Ethernet card in your PC.
2. Connect your 10BaseT cable (RJ45) from the Telco port on the back of the router to the wall jack.
3. Connect the power cord and wait a few minutes while the router completes it's bootup process. Then check the link lights on the front panel.

Hooking up a Console to the Netopia:

To connect a terminal to the Netopia, use the mini-DIN-8 to DB-9 cable, connecting one end to the Netopia's Console port and the other end to a machine's serial port or modem port, whichever is applicable. Be sure to set the emulation software to VT100, 9600 Baud, 8 Bits, 1 Stop Bit, No Parity and Flow Control to None.



Configuration: (select Next Screen, Previous Screen or Esc for menu navigation)

Telnet to the Netopia and choose **Easy Setup...**

For full T1 or fractional T1 service complete the following Line Configuration information including the appropriate number of DSO Channels for your service (256k = 4 channels, full T1 = 24 channels):

Netopia 660T1

Line Encoding...	B8ZS	
Framing Mode...	ESF	
Number of DSO Channels...	6	(6 x 64 = 384k service)
First DSO Channel...	1	
Contiguous Channels...	Yes	
Channel Data Rate...	Nx64k	
Data Link Encapsulation...	Frame Relay	

For 56k service complete the following Line Configuration information:

Netopia 660DDS

Data Rate (kbps)...	56
Data Link Encapsulation...	Frame Relay

Configuring the Netopia 660 for Leased Line Service (con't)

Choose "**Next Screen**": Connection Profile 1: Internet

Connection Profile Name:	Internet	
Address Translation Enabled:	No	
IP Addressing...	Numbered	
Local WAN IP Address:	38.xxx.yyy.zzz	(Serial IP Address)
Local WAN IP Mask:	255.255.255.0	
Frame Relay Management Type...	ANSI (Annex D)	

Choose "**Next Screen**": IP & IPX Easy Setup

Ethernet IP Address:	38.aaa.bbb.1	(from assigned network)
Ethernet IP Subnet Mask:	255.255.255.0	(use assigned mask)
Default Gateway IP Address:	38.xxx.yyy.1	
Domain Name Server IP Address:	38.9.211.2	
IP Address Serving:	Off	
IPX Routing:	Off	

Choose "**Next Screen**": Easy Setup Security Configuration

Enter a user name and password for future access to your router configuration.

Write Access Name:	
Write Access Password:	

Select "**Restart Device**" and wait about 90 seconds for the router to run it's diagnostics test.

Telnet back into the router and choose **Advanced Configuration...**

Choose **WAN (Wide Area Network) Setup...**

Select **Frame Relay DLCI Configuration...**

Choose **Add DLCI...**

DLCI Name:	Internet	
DLCI Enabled:	Yes	
DLCI Number (16-991):	xxx	(assigned DLCI number)
Remote IP Address:	38.xxx.yyy.1	(from assigned network)
Data Flow Parameters -----	Use Default ----	Value -----
CIR:	Yes	
Bc:	Yes	
Be:	Yes	

Choose **ADD DLCI NOW**

Configuring the Netopia 660 for Leased Line Service (con't)

Select **Add Connection Profile...**

Profile Name:	Internet
Profile Enabled:	Yes
IP Enabled:	Yes
IP Profile Parameters...	
IPX Enabled:	No
Data Link Encapsulation...	Frame Relay
Data Link Options...	

Select **IP Profile Parameters...**

Address Translation Enabled:	No
IP Addressing...	Numbered
Local WAN IP Address:	38.xxx.yyy.1
Local WAN IP Mask:	255.255.255.0
Filter Set...	(to set security options)
Remove Filter Set	
Receive RIP:	Off
Transmit RIP:	v2 (broadcast)
TX RIP Policy...	Split Horizon

Choose **Data Link Options...**

Auto-Detect DLCIs:	No
Multicast DLCI Number	0

Esc back to **Advanced Configuration Menu** and select **Network Protocols Setup...**

Choose **IP Setup...** (Verify the following and, if necessary, add additional subnets and static routes)

Ethernet IP Address:	38.aaa.bbb.1
Ethernet Subnet Mask:	255.255.255.0
Define Additional Subnets...	
Default IP Gateway:	38.xxx.yyy.1
Primary Domain Name Server:	38.9.211.2
Secondary Domain Name Server:	38.9.221.2
Domain Name:	domain.com (your domain name)
Receive RIP:	Off
Transmit RIP:	Off
Static Routes:	

Esc to **Main Menu** and select **Statistics, Utilities, Tests...** and **Restart System...**