

Important Router Information

Dear Valued Customer:

This packet includes **important information about your equipment** which should be reviewed by you prior to speaking with our Installations Group.

It is not a replacement for our Technical Support but is designed to help us help you get your internet connection up and running as quickly as possible.

Our Installations Group will work with you via one hour appointments. **Please review this packet and follow the setup flowchart prior to your initial appointment with your Installations Representative**

Thank you very much and welcome to the Internet.

Technical Support: (888) 774-4206

Enclosed are the following documents regarding your Internet equipment:

- **Router Setup Flowchart**
- **Connectivity Flowchart**
- **Configuration Print Out**
- **Configuration Instructions**

Additional documents for Leased Line Customers:

- **Astrocom CSU/DSU Diagram**
- **Important Circuit Information**

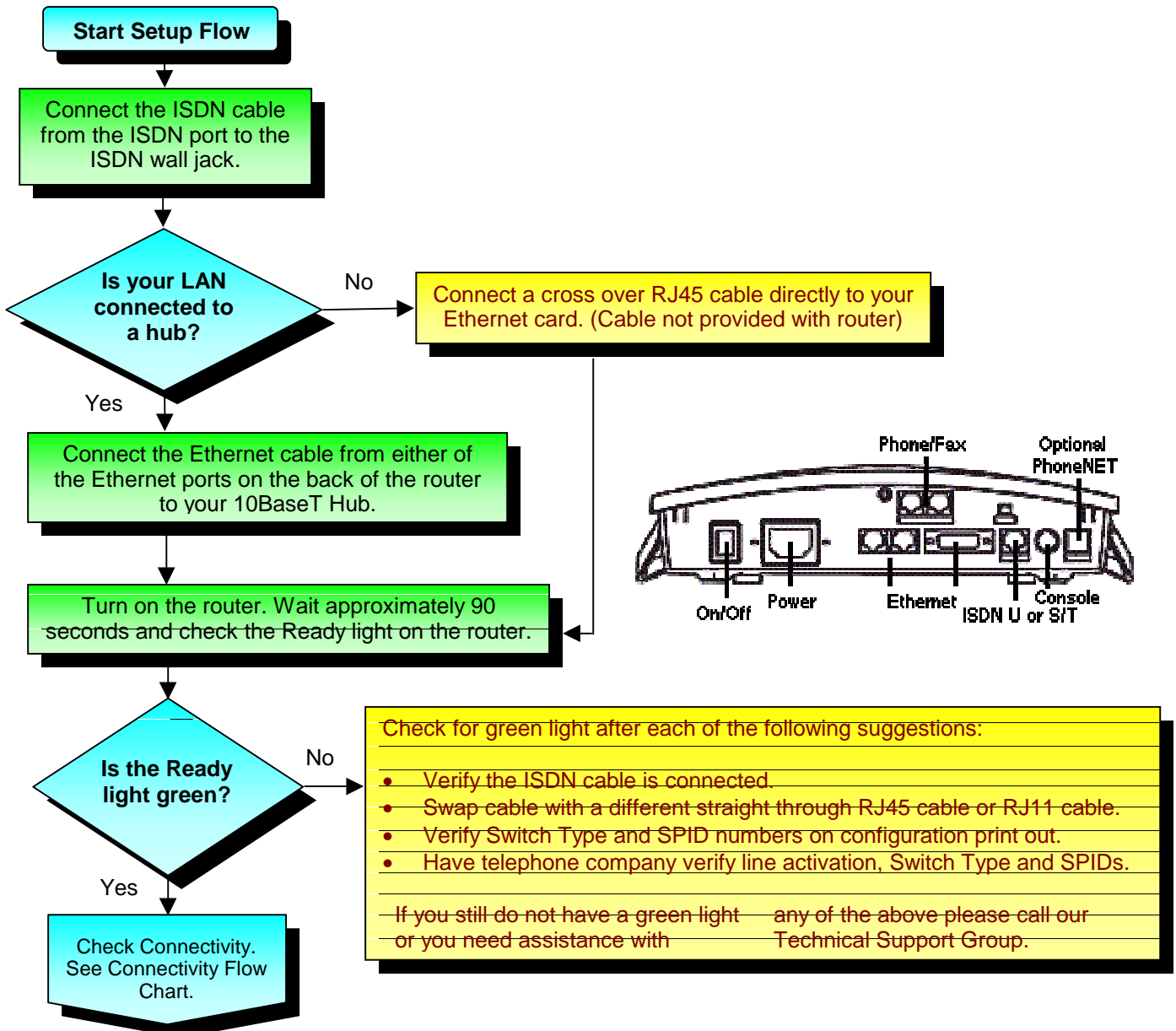
Setup: Netopia Router 640 for LAN-ISDN

Instructions for connecting your Farallon Netopia Router:

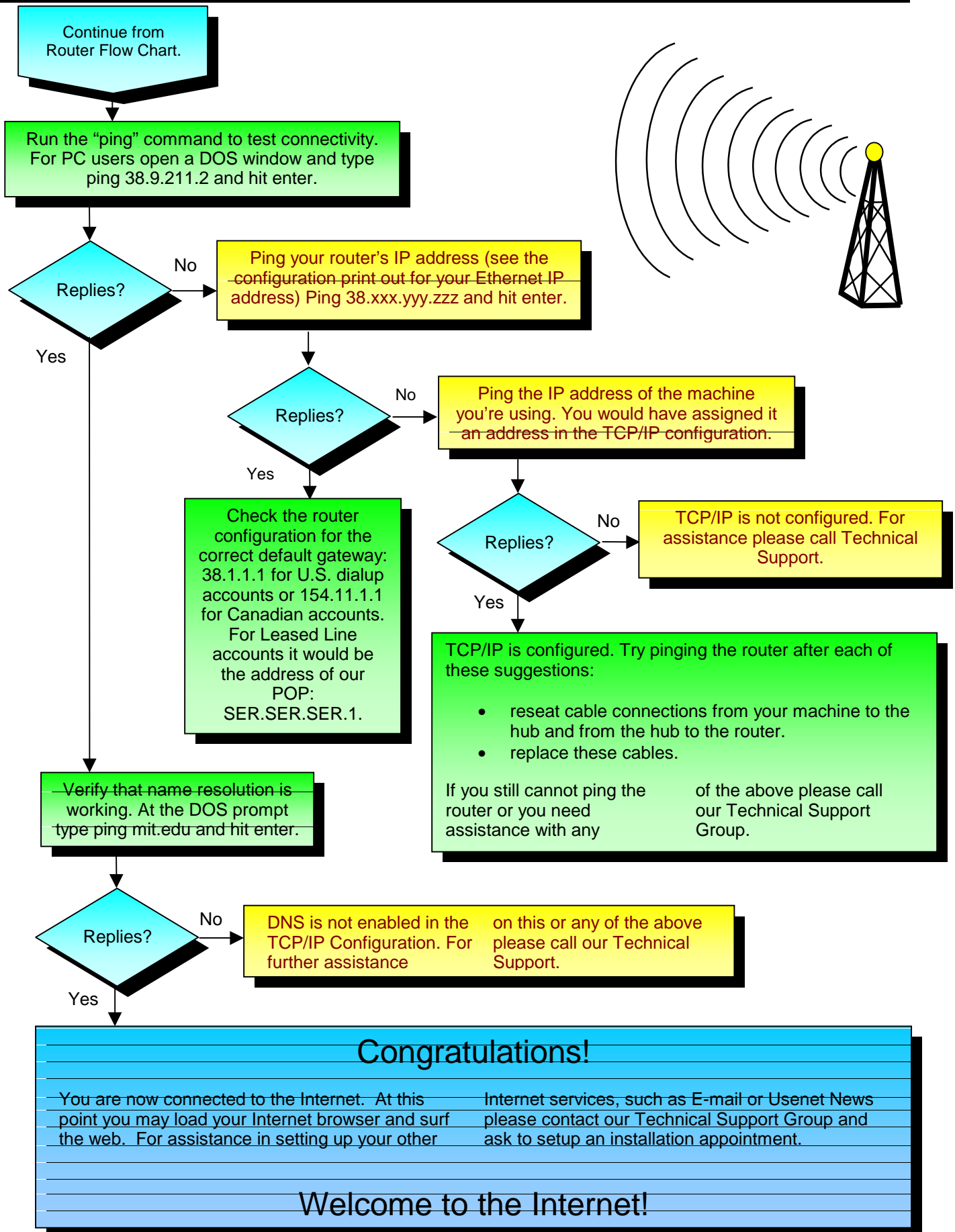
Prerequisites: Please run through the following flowchart to connect your equipment prior to scheduling your initial appointment with our Installations Group.

- Local Area Network (LAN) already setup
- TCP/IP configured on the individual workstations
- ISDN line installed by your telephone company
- Switch Type: **National ISDN-1**, 5ESS pt to pt, 5ESS multipoint, DMS100
- SPID Numbers: _____
- Directory ID: 7 digits of the SPID numbers excluding the area code.

Your router has been shipped to you preconfigured. If you provided us with the Switch Type and SPID numbers prior to shipment, the router's configuration should be complete. If we did not receive this information in time you will need to telnet into the router to add these parameters to the router's configuration. Please check the configuration print out to verify that the dial-up phone number is the number you want to be dialing into. Also, when the connection is up and running, don't forget to change the router password.



Connectivity:



Configuring the Netopia 640 for LAN-ISDN Service

You can connect the Netopia to an IP network that uses Ethernet as well as an Appletalk network using either IP or LocalTalk.

10BaseT networks can be connected to the Netopia via either of the Etherwave ports or through the **AUI** port. 10BaseT networks are connected to the Etherwave ports with an RJ45 connector and to the AUI port with a standard 10BaseT transceiver.

Thick and Thin Net can be connected to the unit's AUI port with a standard 10Base5 or 10Base2 transceiver.

Etherwave networks can also support the Netopia with a 10BaseT cable and an RJ45 connector into the Etherwave port.

NOTE: You can only connect and Ethernet to either the AUI port or the Etherwave port, not both.

You can also connect your Netopia to a **LocalTalk** network by connecting the LocalTalk cable into the RJ11 port on the Netopia, keeping in mind that the LocalTalk port on the Netopia is terminated, so it should be the last machine on your LocalTalk network.

Hooking up a Console to the Netopia:

To connect a terminal to the Netopia, use a standard serial 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.

On the Netopia itself, from the Main **Menu** choose **Advanced Configuration...**

Then choose **Console Configuration...**

Baud Rate: 9600

Bits per Character: 8

Stop Bits: 1

Parity: No Parity

Choose **Easy Setup...** from the Main menu:

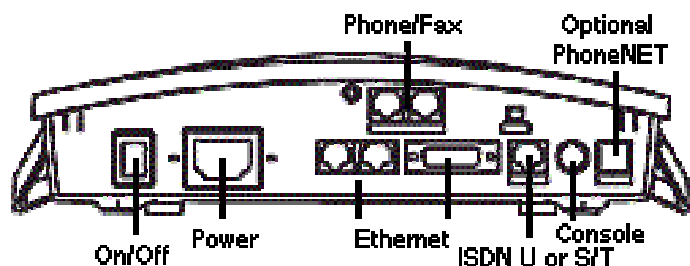
Switch Type... (Provided by Telco)

SPID 1: (Provided by Telco)

SPID 2: (Provided by Telco)

Directory ID 1: (Your ISDN phone number)

Directory ID 2: (Your ISDN phone number)



Choose **"Next Screen"**:

Connection Profile Name: Net

Telephone Number to Dial: (POP phone number)

Optional 2nd Number to Dial: (leave blank)

Remote IP Address: 38.1.1.1

Remote IP Subnet: 255.255.255.0

Authentication (Security): PAP

Send User/Host Name: LIXXXXX (Your ISDN account number)

Send Password/Secret: ***** (Your ISDN account password)

Receive User/Host Name: (leave blank)

Receive Password/Secret: (leave blank)

Configuring the Netopia 640 for LAN-ISDN Service (cont'd)

Choose "**Next Screen**":

Ethernet IP Address: A.B.C.x (IP address of your router)
Ethernet IP Subnet Mask: 255.255.255.0
Default Gateway IP Address: 38.1.1.1
Domain Name Server IP Address: 38.8.82.2

***Save these settings and return to Main Menu

Next, choose **Advanced Configuration...** from Main Menu:

Then choose WAN (Wide Area Network) Setup...

Then choose Connection Profiles...

Then select Add Connection Profile...

New Profile Name: Net
Profile Enabled: Yes
Number to Dial: (POP Number)

Now choose MPP/PPP Options...

Send Authentication... PAP
Send User/Host Name: LIXXXXX (Your account ID)
Send Password/Secret: ***** (Your account password)
Receive User/Host Name: (leave blank)
Receive Password/Secret: (leave blank)
B-Channel Usage... 2 B Channel (You can also use Dynamic to only
bring up the 2nd B channel when it
is needed)
Stac Data Compression: None

Press Esc when finished and then choose Telco Options...

Dial ... Dial Out only
Dial On Demand: Yes
Initiate Data Service... 64 kb/sec
Callback: No
Idle Timeout (seconds): XXX (Number of seconds)

Press Esc when finished and then choose Additional Options...

Receive RIP: No
Transmit RIP: No

You may choose a filter set from Filter Set... if one has been created.

Press Esc when finished and choose ADD PROFILE NOW to save.