

## Configuring the MicroRouter 900i – Leased Line

There are two ways to connect to the 900i for command line access:

- Connecting a console to the AUX port of the router.
- Telnetting to the IP address of the Ethernet port.

Provided Cables:

- Grey DIN-8 to RS-232 DB-25 (DCE/Male) data cable
- Black DIN-8 to RS-232 DB-25 (DTE/Female) console cable
- Wall mount power supply

Ports:

- One Ethernet Interface with AUI/10baseT/BNC connection (auto sensing)
- One Serial Wan port DIN-8 (connect to Modem, CSU/DSU, or ISDN TA)
- One Serial AUX port DIN-8 (for console)

The MR900i comes with two cables, one to connect the console and one to connect the WAN:

- One cable comes with a male DB-25 connector (this is the Data or WAN cable).
- The other has a female DB-25 at one end (this is the AUX or Console cable).

On the other end of both of these cables are special connectors that are ONLY for the MR900i. These are the only cables that can be used for this router.

The Console cable should be plugged into the back of the router in the port labeled AUX. The terminal software should be set to 9600,8,none,1. When you connect the console, and the router is plugged in, you can turn it on and watch it boot.

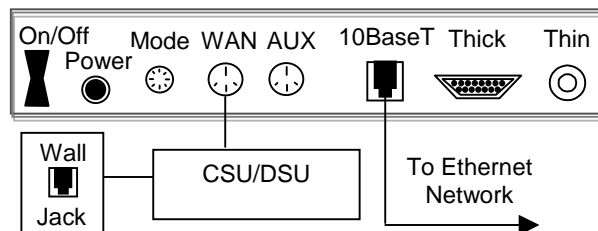
You will get the prompt:

```
System initialization complete.
Enter Password: letmein
```

There are two modes in the shell software:

- Standard mode-This is used to display configuration information and statistics. The standard mode prompt ends with the > character.
- Enhanced mode-To make changes to the configuration you must be in the enhanced mode. It's prompt ends with the # character. You can enter the enhanced mode by issuing any 'set' command or by issuing the 'enhanced' command. You will be prompted to enter the password again. Once in the enhanced mode you can begin to configure the router.

Connect the router as in the diagram:



The following commands can be used from a terminal session or telnet from either the LAN or through the FR RELAY.

## Configuring the MicroRouter 900i – Leased Line (cont'd)

Type the commands as shown. Type return at the end of each line. Variables used include POP, SER, DLCI, and LAN. All other entries are to be typed as shown.

Put router in Enhanced Mode. From the command prompt, type "en" and then reenter password.

#FRAME RELAY REQUIRED ENTRIES#

```
interface wan a

set ip on
set ip wan numbered
set ip wan nottrigger
set ip address POP.POP.POP.SER
set ip mask 255.255.255.0
set ip broadcast POP.POP.POP.255
set ip flags rip1
set frelay dlci DLCI ip map POP.POP.POP.1 Broad
set frelay maint annexd 10
set frelay mtu 1500
set wan mode frelay
set wan connect mode dedicated
set wan serial type sync External_tx_clock
reset ip routing 0.0.0.0 0.0.0.0 config
add ip route 0.0.0.0 0.0.0.0 POP.POP.POP.1 1 config
```

#COMMANDS FOR CONFIGURING ETHERNET PORT#

```
interface ethernet a

set ip on
set ip address LAN.LAN.LAN.LAN
set ip mask 255.255.255.0
set ip broadcast LAN.LAN.LAN.255
set ip flags rip1
```

#NICE TO HAVE'S#

```
set password
set system name DOMAIN
```

#TO SAVE CONFIGURATION#

```
save
```

### Key:

LAN.LAN.LAN.LAN	= Your router IP address
LAN.LAN.LAN.0	= Your class C network
LAN.LAN.LAN.255	= Your broadcast address
POP.POP.POP.SER	= Your router serial IP address
POP.POP.POP.1	= Local POP IP address
POP.POP.POP.255	= Your serial IP broadcast address
DLCI	= Customer DLCI number
DOMAIN	= Your domain name

**NOTE:** The router will take up to 3 minutes to reboot. Under no circumstances should the router be powercycled for a minimum of 5 minutes after typing "save". To do so would be to lose the config and the Operating System. If lights 3-4 and 7-8 are fast flashing in unison, then the config and the O/S are lost. Should this occur, please contact Technical Support or obtain the O/S Restoration document from this FaxBack Server, code 1086.