Configuring RNS NetHopper for LAN-Dial Service

You will need:

- A DOS/Windows Based PC to edit the bootup disk.
  OR
- A VT-100 terminal emulator with an RS-232 port to connect an out of band console.
- An Ethernet cable to connect to your LAN. If you have a 10Base2 (BNC) network you will need an **AUI** to 10Base2 (BNC) transceiver.
- You must also have one of the following versions of NetHopper Operating System: 1.7, 2.1, 3.0, 3.3, 4.0, 4.2.

Method 1: Use a DOS editor to modify the'config.net' file on the config diskette that comes with your NetHopper. Then boot the NetHopper from the disk.

Method 2: Boot the NetHopper with the original diskette and modify the configuration from command line using the command of 'config modify.'

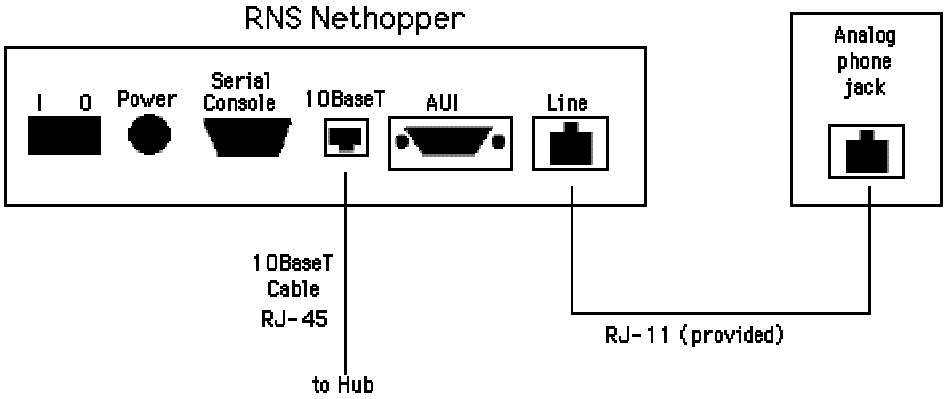
To get to the command line you can:

1. Connect a console to the Serial Console port of the router. Use the supplied null modem cable to connect to the serial port of your PC (or Mac with proper Cables). Use VT-100 emulation software configured for 9600, 8, none and 1.

2. If the router already has an IP address assigned to the router, you can Telnet to the NetHopper from a node on your local LAN.

The RNS NetHopper comes with the following:

Cables:
DB9F - DB9F Console Cable
DB9M - DB25F Serial Cable Adapter
Ports:
1 Ethernet interface with 10baseT/AUI connection 1 v.34 lntegrated Modem
1 Serial Console port DB9M



To connect the router, plug the RJ-11 from your Analog phone line to the v.34 modem port in the back of the router. Connect the 10BaseT port (Ethernet) to your local network.

Configuring RNS NetHopper for LAN-Dial Service (cont'd)

NetHopper Configuration for release 4.2

The version 4.2 Boot Diskette has been compressed using Stacker. You must unstack the disk if you are going to edit it on a PC.

Note: In order to edit the Boot Diskette, you must use a machine that has been booted in MS-DOS mode. If you have a Windows95 machine you must restart in DOS mode.

Here is a standard configuration (config.net) for the NetHopper:

```
version 4.2_x
hostname ACCT.ID
ip address LAN.LAN.LAN.LAN
ifconfig eth0 netmask 255.255.255.0 rip off broadcast LAN.LAN.LAN.LAN/32 mtu 1500
ifconfig modem0 netmask 255.0.0.0 peer 38.1.1.1 rip off mtu 1500 speed 115200
route add 38.0.0.0/8 modem0 38.1.1.1 2
route add default modem0 38.1.1.1 1
dialup modem0 demand-backoff PHONE.NUM 1800
dialup modem0 login-name ACCT.ID
dialup modem0 login-pwd PASSWORD
dialup modem0 volume low
ppp modem0 lcp local acfc off
ppp modem0 pap user ACCT.ID PASSWORD
ppp modem0 ipcp local address on
snmp set location "Computer Room"
snmp set contact "Technical Support"
snmp set community public
start discard
start echo
start ftp
start telnet
start snmp
ifconfig eth0 up
ifconfig modem0 up
rip merge on
ipx
ipx routing disable
update modem0 init on
access shift 0000 2400 MTWRFSU
tcp/ip
```

* Note that 1800 is the idle timer in seconds and should not be less than 300

Note: ACCT. ID should be replaced with your LAN-DIAL account name.

PASSWORD should be replaced with your assigned password. This will be eight lowercase characters in length.

LAN.LAN.LAN.LAN is the I P address for the NetHopper on your LAN. The last number in the broadcast address is always 255.

PHONE.NUM will be the phone number of the LAN-DIAL server you are calling into.