



TELESTREAM

## Application Note

### Configuring the 3Com 56k LAN Router for use with ClipMail Pro and ClipExpress

#### Introduction

This Application Note guides the ClipMail user through the 3Com 56k LAN Router configuration process by using a simple dial up connection example. Please refer to the attached network diagram. It is highly recommended that you also read the 3Com technical literature supplied with the 3Com 56k LAN Router, to become familiar with the features and functions not covered here.

#### Simple Setup (Clipmail can send only)

1. Connect the 3Com 56k LAN Router to a phone jack with standard telephone cord. If you are going to use the line doubling features of the router you will need an extra phone line and an extra phone cord.
2. Turn all the units off.
3. Connect your computer and your Clipmail unit to the hub in the 3Com router with standard category-5 ethernet cable. Turn all of the units on.
4. Assign the ClipMail IP Addresses:

On the ClipMail Click 'Set Up'

Click the 'Network' Tab

Select 'Enter IP Address'

Click the IP address field

Enter 192.168.1.3 for the IP address

Enter 255.255.255.224 for the subnet mask

Enter 192.168.1.1 for the default gateway

Click 'Done'

Click 'Shutdown' then 'Restart'

5. Setup the Computer to Use DHCP to Receive a Network Address

For PC's running Windows go to the control panel, open network, double-click TCP/IP, select 'Obtain an IP address automatically,' click OK. Reboot the machine

For PC's running Windows NT go to the control panel, open network, select the protocols tab, double-click TCP/IP, select 'Obtain an IP address from a DHCP server,' click OK. Reboot the machine.

For Macs go to the system menu, control panels, TCP/IP, select Use DHCP. Reboot the machine.

6. On the PC/Mac open a standard web browser such as Netscape or Internet Explorer and open the address <http://192.168.1.1>.

You should see a welcome screen. Proceed by following the 'Click here to continue' link.

The router setup software will synchronize its clock with the system clock on your computer.

7. It will then ask you to enter a password for your router. Select a password and click 'Submit.'

8. Next enter the telephone numbers for your phone lines that will be used with the 3Com 56k LAN Router and click 'Continue.' **Note:** You may leave these fields blank for now.

9. The 'ISP Wizard' Screen should appear. Enter all of the information required to connect to your Internet Service Provider. You will need to contact your ISP if you do not know this information.

The wizard will test the connection to your ISP. If the test is successful you will see a 'Congratulations' screen. You may now use your ClipMail to **send** clips. To configure your router to allow the clipmail to **receive** clips proceed to the advanced setup instructions below

**Note:**

- ◆ When you first try to send a clip, the router will detect that it needs to bring the internet connection up and it will begin dialing your ISP. It will take about 30-45 seconds for this to occur and during this time the clipmail will report that the remote clipmail unit is not responding.
- ◆ If your ISP account allows dual logins and you have two phone lines to use for internet access then the second line will connect after the first line has filled its bandwidth and the two lines will aggregate the bandwidth between them.

#### Advanced Setup (Clipmail can **send** and **receive**)

1. Connect the 3Com 56k LAN Router to a phone jack with standard telephone cord. If you are going to use the line doubling features of the router you will need an extra phone line and an extra phone cord.
2. Connect your computer and your Clipmail unit to the hub in the router with standard category-5 ethernet cable. Turn all of the units on.
3. Assign the ClipMail IP Addresses:

On the ClipMail Click 'Set Up'

Click the 'Network' Tab

Select 'Enter IP Address'

Click the IP address field

Enter 192.168.1.3 for the IP address

Enter 255.255.255.224 for the subnet mask

Enter 192.168.1.1 for the default gateway

Click 'Done'

Click 'Shutdown' then 'Restart'

4. Setup the Computer to Use DHCP to Receive a Network Address

For PC's running Windows go to the control panel, open network, double-click TCP/IP, select 'Obtain an IP address automatically,' click OK. Reboot the machine

For PC's running Windows NT go to the control panel, open network, select the protocols tab, double-click TCP/IP, select 'Obtain an IP address from a DHCP server,' click OK. Reboot the machine.

For Macs go to the system menu, control panels, TCP/IP, select Use DHCP. Reboot the machine.

5. From your PC / Mac use a standard web browser to open up <http://192.168.1.1>
6. Click 'Workstation Configuration' on the main screen.
7. Click the 'For Workstation settings click here' button.
8. Under the IP Address column find the address 192.168.1.3. In this same row type in 'ClipMail' for 'Name' and check the 'Reserved' box. At the bottom of the page click 'Submit.'
9. Click 'Service Providers' from the main screen.

10. Choose your ISP then click 'Select.'
11. Near the bottom of the page is an option for 'Unsolicited incoming packet processing.' Change the 'Default Workstation' to 'ClipMail' and click 'Submit.'
12. Your router is now configured to allow your clipmail to receive clips at the address assigned by you ISP. If you are receiving a dynamic IP address from your ISP do the following to discover your current IP address:

Click the 'Statistics' button on the left side of the screen.

Click the 'Current Call' button.

The address is listed next to 'IP address in use' (If it does not show up it is because you are not currently connected to your ISP, bring the link up and then return here.)



