DSL-524T NO NAT SETUP

Follow the steps in this document if you acquired a range of public IP addresses from your ISP and have all the required details like IP Range, Subnet Mask, Router IP and DNS Server.

To use the public IP range on the LAN, you need to setup the DSL-524T in NO NAT mode. This means that functions like Network Address Translation and Firewall are disabled. In this mode the router and all machines connected to the LAN are fully accessible from the Internet.

1) Go to Status – Device Info and verify the firmware of your DSL-524T. In this example it's dated 20060209. Firmware files are available for download from D-Link website and ftp site.

http://www.dlink.co.uk
ftp://ftp.dlink.co.uk

DSL-524T Status

2) Go to Home – WAN to setup the DSL-524T with your ADSL account settings.
Set NAT and Firewall to Disable. Set IP Control to Unnumbered IP.

DSL-524T WAN Setup

By default, Connection Setting is set to Always ON. Keep that setting to allow access to the Internet continuously. Click Apply.

DSL-524T WAN Setup (continue)
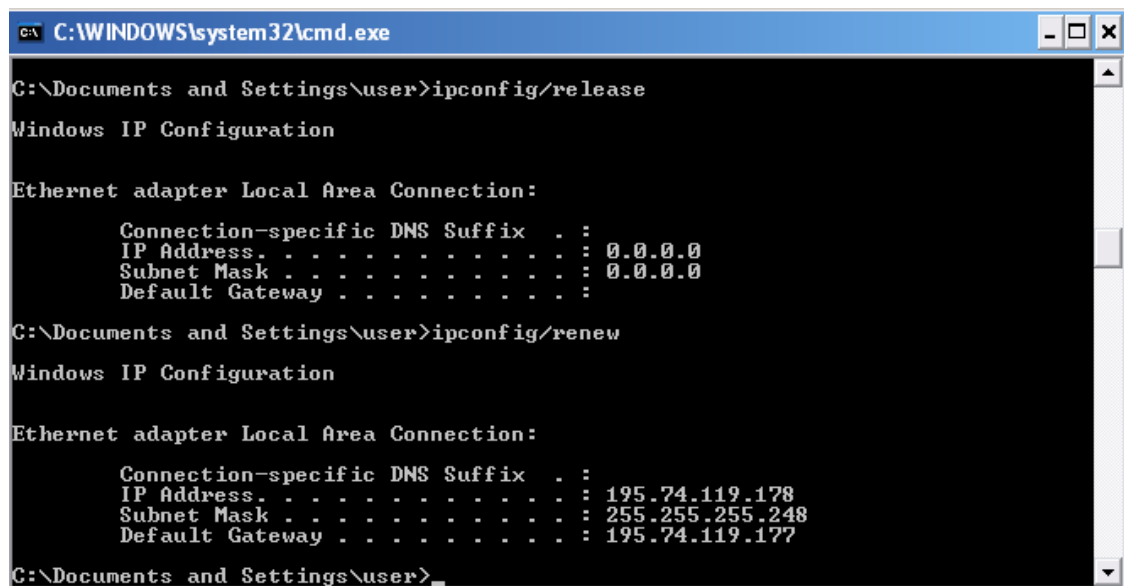
3) Go to Home – LAN. Set IP Address and Subnet Mask to ISP specifications.
Click Apply.

DSL-524T LAN Setup

4) As you changed the DSL-524T IP address, it will not longer respond on the default IP address. You can either release & renew the IP address of your network card, or assign a static IP, from the range specified by your ISP.


```
C:\WINDOWS\system32\cmd.exe                                          - □ ×

C:\Documents and Settings\user>ipconfig/release

Windows IP Configuration

Ethernet adapter Local Area Connection:

        Connection-specific DNS Suffix  . :
        IP Address. . . . . . . . . . . : 0.0.0.0
        Subnet Mask . . . . . . . . . . : 0.0.0.0
        Default Gateway . . . . . . . . :

C:\Documents and Settings\user>ipconfig/renew

Windows IP Configuration

Ethernet adapter Local Area Connection:

        Connection-specific DNS Suffix  . :
        IP Address. . . . . . . . . . . : 195.74.119.178
        Subnet Mask . . . . . . . . . . : 255.255.255.248
        Default Gateway . . . . . . . . : 195.74.119.177

C:\Documents and Settings\user>
```
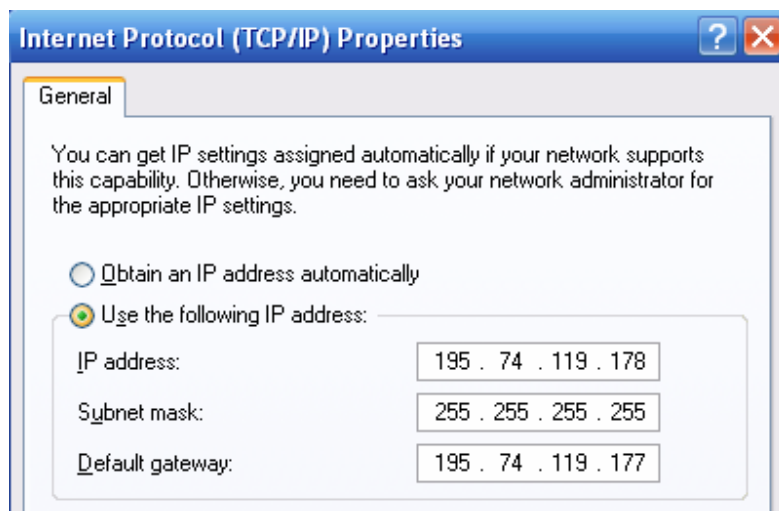
Release & renew IP address, MS-DOS prompt

Internet Protocol (TCP/IP) Properties

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

○ Obtain an IP address automatically
◉ Use the following IP address:

IP address: 195 . 74 . 119 . 178

Subnet mask: 255 . 255 . 255 . 255

Default gateway: 195 . 74 . 119 . 177

Set static IP address, Windows XP

5) Access the DSL-524T configuration again by opening (in internet explorer) http:// followed by the IP address you assigned the router in step 3.

6) Plug in the ADSL line to the DSL-524T, wait until the ADSL LED has a solid light. Go to Status – Device Info. Verify that WAN Status shows Connected.

DSL-524T Connected in NO NAT mode

Your DSL-524T is now correctly setup for NO NAT.
Save and Reboot the device to complete setup.

DSL-524T Save and Reboot

DSL-524T NO NAT TROUBLESHOOTING

Tools – Misc – Ping Test
PING external domain names or IP addresses. If the DSL-524T can reach to these external addresses, with the correct setup so should your machines on the LAN.

Home – DHCP.

If you decide to use DHCP, set the range accordingly to your ISP specifications. Don't include the routers' IP address in the range. Click Apply, save and reboot the DSL-524T then renew the IP addresses on all affected network cards.

Status – Log.
The DSL-524T logs events about ADSL sync, connection, authentication etc.