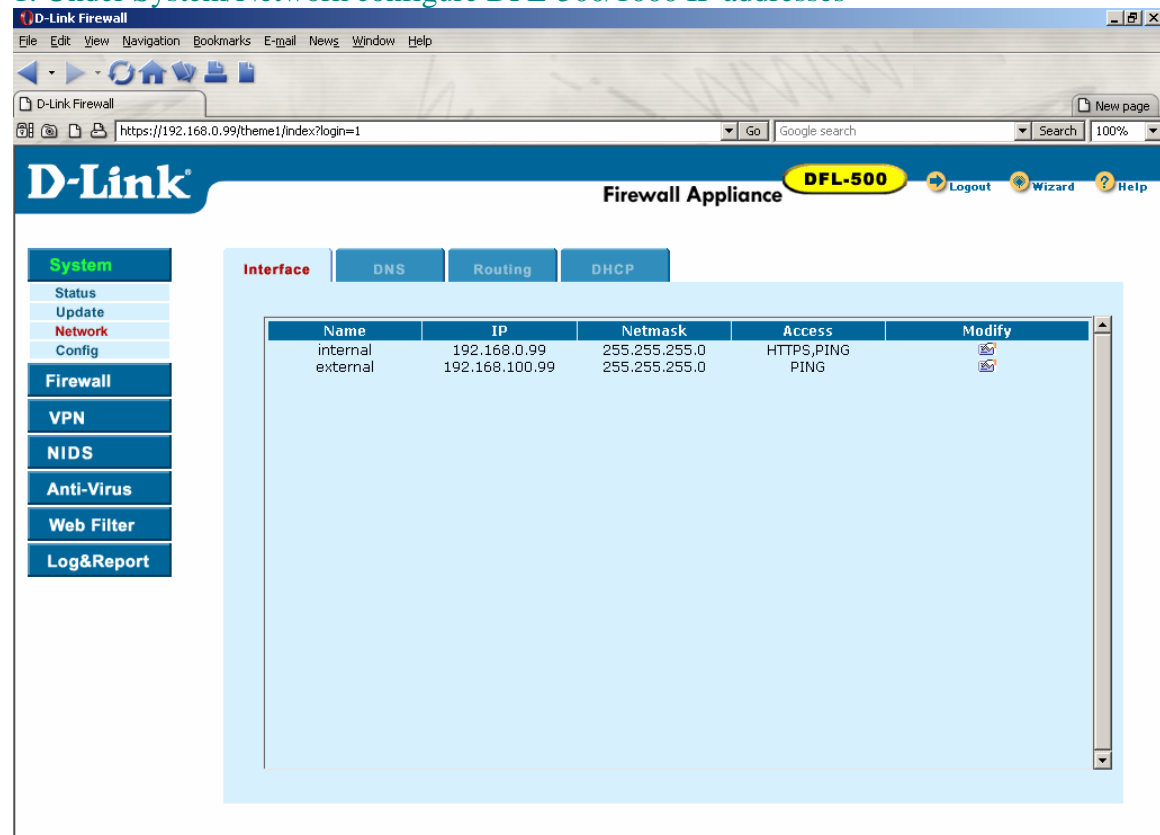


D-Link DI-804V to DFL-500/1000 VPN Configuration Manual

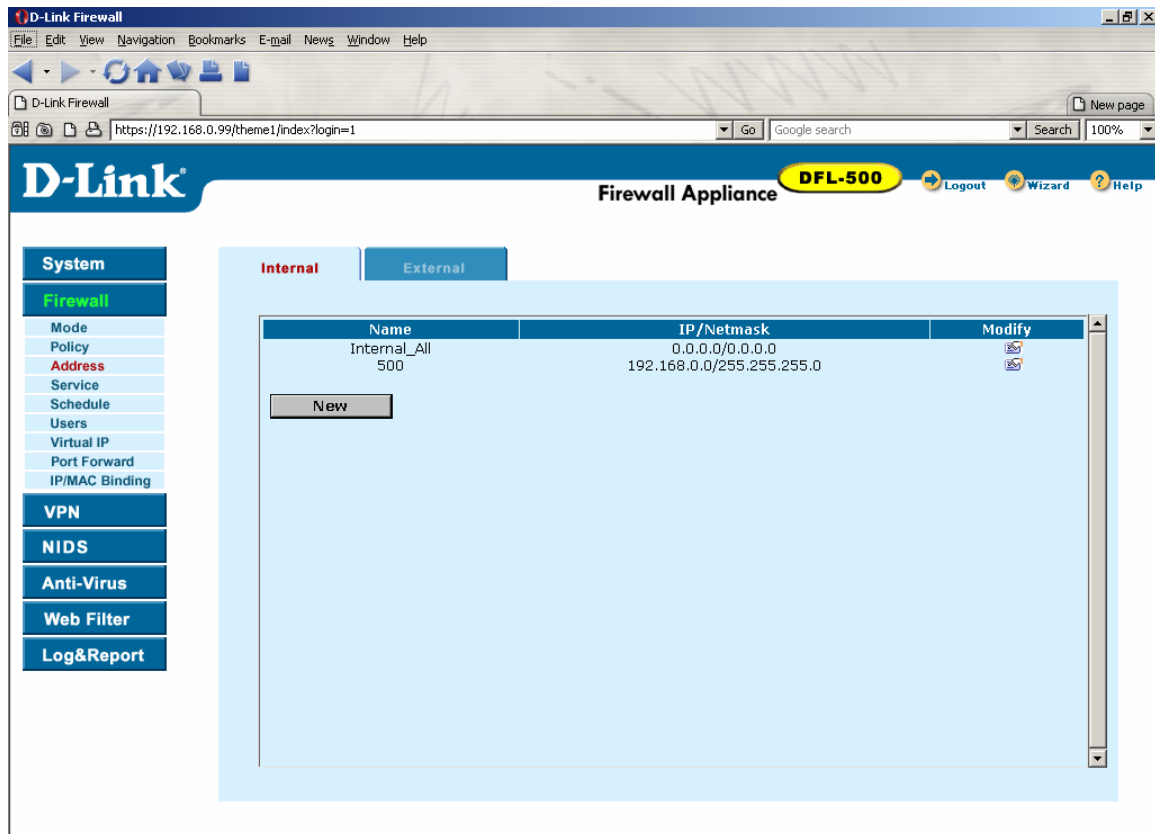
Network Configuration:

1. DI-804V WAN IP Address is 192.168.100.100 255.255.255.0
2. DI-804V LAN IP Address is 192.168.1.99 255.255.255.0
3. DFL-500 WAN IP Address is 192.168.100.99 255.255.255.0
4. DFL-500 LAN IP Address is 192.168.0.99 255.255.255.0
5. PC behind DI-804V with IP Address of 192.168.1.100 255.255.255.0 and Default Gateway of 192.168.1.99 255.255.255.0 (DI-804V LAN IP)
6. PC behind DFL-500 with IP Address of 192.168.0.167 255.255.255.0 and Default Gateway of 192.168.0.99 255.255.255.0 (DFL-500 LAN IP)

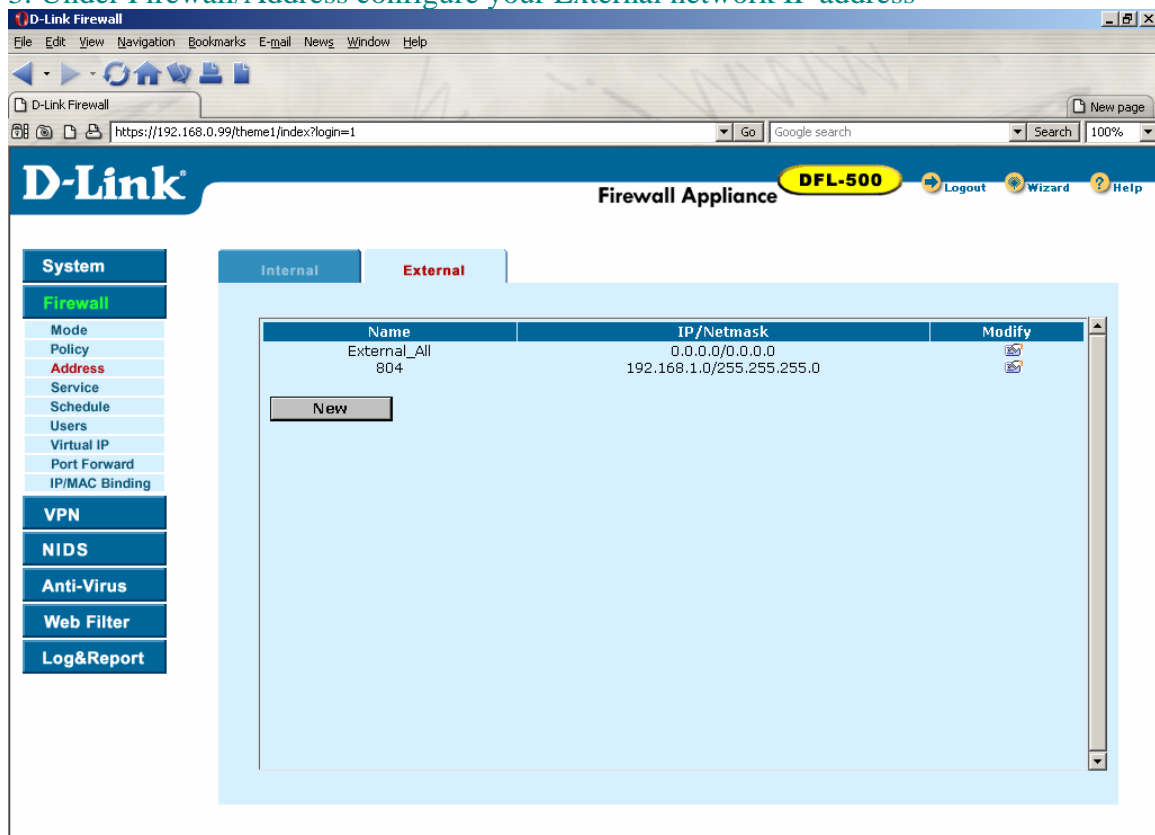
1. Under System/Network configure DFL-500/1000 IP addresses



2. Under Firewall/Address configure your Internal network IP address



3. Under Firewall/Address configure your External network IP address



4. Under VPN/IPSec/Autokey IKE configure your Tunnel (Remote Gateway is DI-804V WAN

IP Address, Authentication Key should match DI-804V PreShared Key, Incoming NAT must be ticked)

The screenshot shows the D-Link Firewall Web Interface. The left sidebar contains a navigation menu with the following items: System, Firewall, VPN (highlighted), IPSEC, PPTP, L2TP, RADIUS, NIDS, Anti-Virus, Web Filter, and Log&Report. The main content area is titled 'Firewall Appliance DFL-500' and includes links for Logout, Wizard, and Help. The 'Policy' tab is selected, and the 'Autokey IKE' sub-tab is active. The 'Edit VPN Tunnel' window is open, showing the following configuration:

- Tunnel Name: 804
- Remote Gateway: 192.168.100.100
- P1 Proposal:
 - Encryption: ☒ DES ☒ 3DES
 - Authentication: ☒ MD5 ☒ SHA1
 - Keylife: 28800 (seconds)
- P2 Proposal:
 - ☒ Null ☒ DES
 - ☒ HMAC-MD5 ☒ HMAC-SHA1
 - ☒ DES-HMAC-MD5 ☒ DES-HMAC-SHA1
 - ☒ 3DES ☒ 3DES-HMAC-MD5
 - ☒ 3DES-HMAC-SHA1
 - ☒ Enable replay detection
 - ☒ Enable perfect forward secrecy(PFS).
- Keylife: 300 (seconds) Proxy ID: IP Subnet
- Authentication Key (Pre-shared Key): ****
- Incoming NAT: ☒

Buttons for 'OK' and 'Cancel' are at the bottom of the window.

5. Create a VPN Policy (Incoming NAT must be unticked)

The screenshot shows the D-Link Firewall Web Interface with the 'Policy' tab selected. The 'Edit VPN Policy' window is open, showing the following configuration:

- Source: 500
- Destination: 804
- VPN Tunnel: 804
- Incoming NAT: ☐

Buttons for 'OK' and 'Cancel' are at the bottom of the window.

6. Configure DI-804V IP internal address

The screenshot shows the 'Setup Wizard - Device IP Settings' window for a D-Link VPN Router DI-804V. The browser address bar shows 'http://192.168.1.99/wiz_basic.htm'. The page has a blue header with the D-Link logo and 'VPN Router DI-804V'. A navigation bar includes 'DEVICE INFORMATION', 'DEVICE STATUS', 'BASIC SETUP' (highlighted), and 'ADVANCED SETTINGS'. A left sidebar contains 'Main menu', 'TIME SETTINGS', 'DEVICE IP SETTINGS' (highlighted), 'ISP SETTINGS', 'VPN SETTINGS', and 'SAVE & RESTART'. The main content area is titled 'DEVICE LAN IP SETTINGS' and 'The device LAN IP address and subnet Mask settings'. It contains two rows of input fields: 'IP Address' with values 192, 168, 1, 99 and 'IP Subnet Mask' with values 255, 255, 255, 0. Below these are '< BACK' and 'NEXT >' buttons. A note at the bottom says 'NOTE: Please click "Next" to accept the settings.' The footer shows 'Copyright © 2000'.

Setup Wizard - Device IP Settings

File Edit View Navigation Bookmarks E-mail News Window Help

Setup Wizard - Device IP Set...

Document: 100% Images: 15/19 Total: 28 KB Speed: 5.5 KB/s Time: 0:05 Connecting to remote host 192.168.1.99...

D-Link VPN Router DI-804V

DEVICE INFORMATION DEVICE STATUS BASIC SETUP ADVANCED SETTINGS

Main menu

TIME SETTINGS

DEVICE IP SETTINGS

ISP SETTINGS

VPN SETTINGS

SAVE & RESTART

DEVICE LAN IP SETTINGS

The device LAN IP address and subnet Mask settings

IP Address: 192 . 168 . 1 . 99

IP Subnet Mask: 255 . 255 . 255 . 0

< BACK NEXT >

NOTE: Please click "Next" to accept the settings.

Copyright © 2000

7. Configure your ISP Settings

The screenshot shows the 'Basic Setup' window for a D-Link VPN Router DI-804V. The browser address bar shows 'http://192.168.1.99/wiz_basic.htm'. The page has a blue header with the D-Link logo and 'VPN Router DI-804V'. A navigation bar includes 'DEVICE INFORMATION', 'DEVICE STATUS', 'BASIC SETUP' (highlighted), 'ADVANCED SETTINGS', 'SYSTEM TOOLS', and 'HELP'. A left sidebar contains 'Main menu', 'TIME SETTINGS', 'DEVICE IP SETTINGS', 'ISP SETTINGS' (highlighted), 'ISP ADDITIONAL SETTINGS', 'MODEM SETTINGS', 'VPN SETTINGS', and 'SAVE & RESTART'. The main content area is titled 'Basic Setup - Cable/DSL ISP Settings'. It contains fields for 'Computer Name' (DI-804V) and 'Domain Name'. Below is the 'ISP Settings' section with a dropdown menu set to 'Static IP Settings'. It contains three rows of input fields: 'IP assigned by your ISP' with values 192, 168, 100, 100; 'IP subnet mask' with values 255, 255, 255, 0; and 'ISP Gateway Address' with values 192, 168, 100, 99. Below these are radio buttons for 'Dynamic DNS' and 'Static DNS' (selected). The 'Static DNS' section contains two rows of input fields: 'DNS1' with values 202, 129, 97, 124 and 'DNS2' with values 0, 0, 0, 0. At the bottom are 'CANCEL' and 'SAVE & RESTART' buttons. The footer shows 'Copyright © 2000'.

Basic Setup

File Edit View Navigation Bookmarks E-mail News Window Help

Basic Setup

http://192.168.1.99/wiz_basic.htm

Go Google search Search 100%

D-Link VPN Router DI-804V

DEVICE INFORMATION DEVICE STATUS BASIC SETUP ADVANCED SETTINGS SYSTEM TOOLS HELP

Main menu

TIME SETTINGS

DEVICE IP SETTINGS

ISP SETTINGS

ISP ADDITIONAL SETTINGS

MODEM SETTINGS

VPN SETTINGS

Basic Setup - Cable/DSL ISP Settings

Computer Name DI-804V

Domain Name

ISP Settings

Static IP Settings

IP assigned by your ISP 192 . 168 . 100 . 100

IP subnet mask 255 . 255 . 255 . 0

ISP Gateway Address 192 . 168 . 100 . 99

Dynamic DNS Static DNS

DNS1 202 . 129 . 97 . 124

DNS2 0 . 0 . 0 . 0

CANCEL SAVE & RESTART

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8. Configure your VPN settings (Remote Network is DFL-500/1000 Remote Network, while Remote Gateway is DFL-500/1000 External IP address)

D-Link VPN Router DI-804V

VPN SETTINGS

Connection Name: 500

Local IPSEC Identifier:

Remote IPSEC Identifier:

Remote IP Network: 192.168.0.0

Remote IP Netmask: 255.255.255.0

Remote Gateway IP: 192.168.100.99

Network Interface: WAN ETHERNET

Secure Association: ☒ Main Mode ☐ Aggressive ☐ Manual

Perfect Forward Secure: ☒ Enabled ☐ Disabled

Encryption Protocol: 3DES

PreShared Key: test

Key Life: 3600 Seconds

IKE Life Time: 28800 Seconds

SAVE

Enable	Connection Name	Local IPSEC ID	Remote IPSEC ID	Command
<input checked="" type="checkbox"/>	500			Edit Del

< BACK **NEXT >**

9. Try to ping a computer behind your DI-804V from your DFL-500/1000 internal network (both computers must have default gateways as DI-804V or DFL-500/1000 according to their network)

```

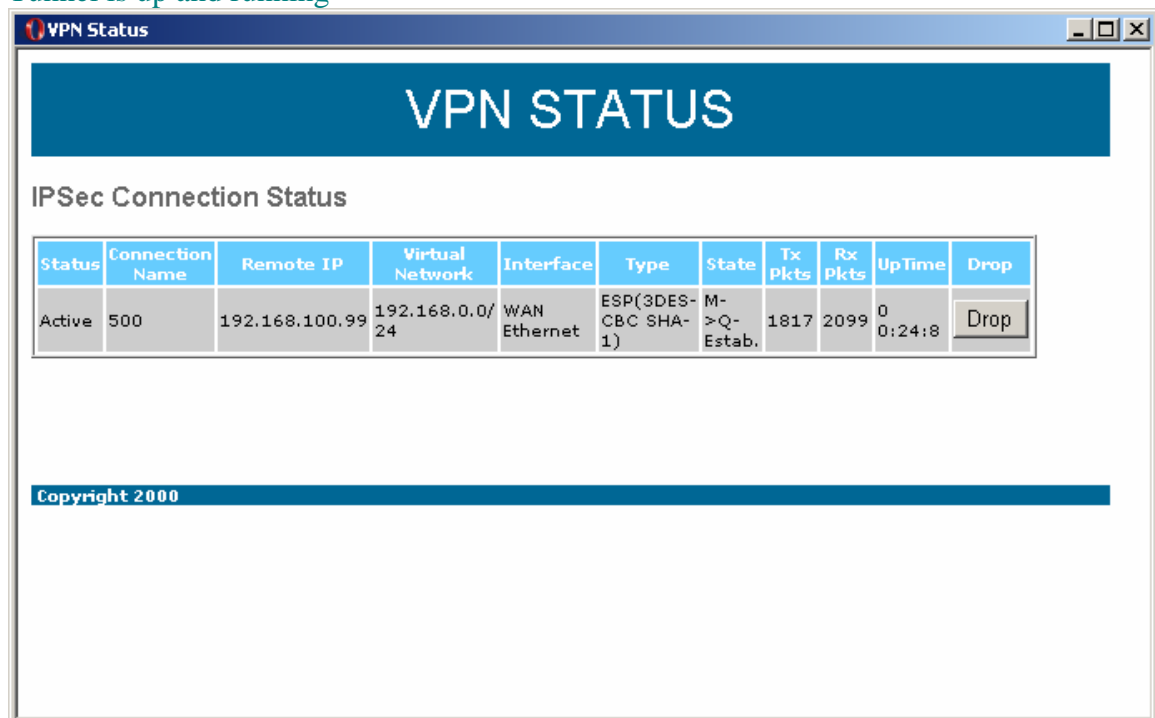
C:\> Command Prompt - ping 192.168.1.100 -t
Reply from 192.168.1.100: bytes=32 time=8ms TTL=126
Reply from 192.168.1.100: bytes=32 time=8ms TTL=126
Reply from 192.168.1.100: bytes=32 time=8ms TTL=126
Reply from 192.168.1.100: bytes=32 time=8ms TTL=126
Reply from 192.168.1.100: bytes=32 time=8ms TTL=126
Reply from 192.168.1.100: bytes=32 time=8ms TTL=126
Reply from 192.168.1.100: bytes=32 time=8ms TTL=126
Reply from 192.168.1.100: bytes=32 time=8ms TTL=126
Reply from 192.168.1.100: bytes=32 time=8ms TTL=126
Reply from 192.168.1.100: bytes=32 time=8ms TTL=126
Reply from 192.168.1.100: bytes=32 time=8ms TTL=126
Reply from 192.168.1.100: bytes=32 time=8ms TTL=126
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Reply from 192.168.1.100: bytes=32 time=8ms TTL=126
Reply from 192.168.1.100: bytes=32 time=8ms TTL=126
Reply from 192.168.1.100: bytes=32 time=8ms TTL=126
Reply from 192.168.1.100: bytes=32 time=8ms TTL=126

```

10. Go to Device Status and check your VPN STATUS, WAN Ethernet should have 1 Connection Active



11. Click on VPN Status, you will get Active Status and M->Q-Estab Status. Your VPN Tunnel is up and running



You have successfully configured a VPN Tunnel between DI-804V and DSL-500/1000.
 Congratulations!

