

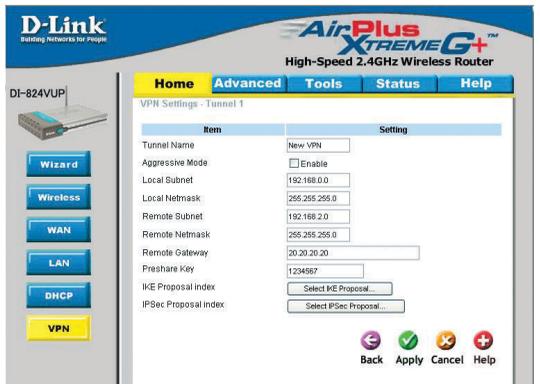
## Frequently Asked Questions (continued)

I have two DI-824VUP Routers, how can I set them up to work with each other? (continued)

**Step 8** The device will restart. Click on the Continue button.



**Step 9** Click on Select IKE Proposal.



**Step 10** Enter a name for proposal ID number 1 and select Group 1, 2, or 5 from the DH Group dropdown menu.



# Frequently Asked Questions (continued)

I have two DI-824VUP Routers, how can I set them up to work with each other? (continued)

**Step 11** Select DES or 3DES as the Encryption Algorithm.

VPN Settings - Tunnel 1 - Set IKE Proposal

ID	Proposal Name	DH Group	Encrypt algorithm	Auth algorithm	Life Time	Life Time Unit
1	IKE Proposal	Group 1	3DES	SHA1	0	Sec.
2		Group 1	DES	SHA1	0	Sec.
3		Group 1	3DES	SHA1	0	Sec.
4		Group 1	3DES	SHA1	0	Sec.
5		Group 1	3DES	SHA1	0	Sec.
6		Group 1	3DES	SHA1	0	Sec.
7		Group 1	3DES	SHA1	0	Sec.
8		Group 1	3DES	SHA1	0	Sec.
9		Group 1	3DES	SHA1	0	Sec.
10		Group 1	3DES	SHA1	0	Sec.

**Step 12** Select SHA-1 or MD5 as the Authentication Algorithm.

VPN Settings - Tunnel 1 - Set IKE Proposal

ID	Proposal Name	DH Group	Encrypt algorithm	Auth algorithm	Life Time	Life Time Unit
1	IKE Proposal	Group 1	3DES	MD5	0	Sec.
2		Group 1	3DES	SHA1	0	Sec.
3		Group 1	3DES	SHA1	0	Sec.
4		Group 1	3DES	SHA1	0	Sec.
5		Group 1	3DES	SHA1	0	Sec.
6		Group 1	3DES	SHA1	0	Sec.
7		Group 1	3DES	SHA1	0	Sec.
8		Group 1	3DES	SHA1	0	Sec.
9		Group 1	3DES	SHA1	0	Sec.
10		Group 1	3DES	SHA1	0	Sec.

**Step 13** Enter a Lifetime value of 2800 and then either select Sec. or KByte as the unit for the lifetime value.

VPN Settings - Tunnel 1 - Set IKE Proposal

ID	Proposal Name	DH Group	Encrypt algorithm	Auth algorithm	Life Time	Life Time Unit
1	IKE Proposal	Group 1	3DES	SHA1	2800	Sec.
2		Group 1	3DES	SHA1	0	KByte
3		Group 1	3DES	SHA1	0	Sec.
4		Group 1	3DES	SHA1	0	Sec.
5		Group 1	3DES	SHA1	0	Sec.
6		Group 1	3DES	SHA1	0	Sec.
7		Group 1	3DES	SHA1	0	Sec.
8		Group 1	3DES	SHA1	0	Sec.
9		Group 1	3DES	SHA1	0	Sec.
10		Group 1	3DES	SHA1	0	Sec.

## Frequently Asked Questions (continued)

I have two DI-808HV Routers, how can I set them up to work with each other? (continued)

**Step 14** Select 1 out of the Proposal ID dropdown menu and click Add To, which will add the proposal that was just configured to the IKE Proposal Index. Click Apply.

The screenshot shows the 'VPN Settings - Tunnel 1 - Set IKE Proposal' page. On the left is a navigation menu with buttons for Wizard, Wireless, WAN, LAN, DHCP, and VPN. The main content area has tabs for Home, Advanced, Tools, Status, and Help. Below the tabs is a table for IKE Proposals:

ID	Proposal Name	DH Group	Encrypt algorithm	Auth algorithm	Life Time	Life Time Unit
1	IKE Proposal	Group 1	3DES	SHA1	2800	Sec.
2		Group 1	3DES	SHA1	0	Sec.
3		Group 1	3DES	SHA1	0	Sec.
4		Group 1	3DES	SHA1	0	Sec.
5		Group 1	3DES	SHA1	0	Sec.
6		Group 1	3DES	SHA1	0	Sec.
7		Group 1	3DES	SHA1	0	Sec.
8		Group 1	3DES	SHA1	0	Sec.
9		Group 1	3DES	SHA1	0	Sec.
10		Group 1	3DES	SHA1	0	Sec.

Below the table is a dropdown menu for 'Proposal ID' set to '1' and an 'Add To' button. At the bottom right are 'Back', 'Apply', 'Cancel', and 'Help' buttons.

**Step 15** The device will restart. Click on the Continue button. Then click Back.

The screenshot shows a screen with the text 'The device is restarting...' and a 'Continue' button at the bottom.

**Step 16** Click on Select IPsec Proposal.

The screenshot shows the 'VPN Settings - Tunnel 1' page. On the left is a navigation menu with buttons for Wizard, Wireless, WAN, LAN, DHCP, and VPN. The main content area has tabs for Home, Advanced, Tools, Status, and Help. Below the tabs is a form for VPN settings:

Item	Setting
Tunnel Name	New VPN
Aggressive Mode	<input type="checkbox"/> Enable
Local Subnet	192.168.0.0
Local Netmask	255.255.255.0
Remote Subnet	192.168.2.0
Remote Netmask	255.255.255.0
Remote Gateway	20.20.20.20
Preshare Key	1234567
IKE Proposal Index	Select IKE Proposal...
IPSec Proposal Index	Select IPSec Proposal...

At the bottom right are 'Back', 'Apply', 'Cancel', and 'Help' buttons.

# Frequently Asked Questions (continued)

I have two DI-824VUP Routers, how can I set them up to work with each other?(continued)

**Step 17** Enter a name for proposal ID number 1 and select Group 1, 2, 5, or None from the DH Group dropdown menu.

VPN Settings - Tunnel 1 - Set IPSEC Proposal

ID	Proposal Name	DH Group	Encap protocol	Encrypt algorithm	Auth algorithm	Life Time	Life Time Unit
1	IPSec Proposal	None	ESP	3DES	None	0	Sec.
2		Group 1	ESP	3DES	None	0	Sec.
3		Group 2	ESP	3DES	None	0	Sec.
4		Group 5	ESP	3DES	None	0	Sec.
5		None	ESP	3DES	None	0	Sec.
6		None	ESP	3DES	None	0	Sec.
7		None	ESP	3DES	None	0	Sec.
8		None	ESP	3DES	None	0	Sec.
9		None	ESP	3DES	None	0	Sec.
10		None	ESP	3DES	None	0	Sec.

**Step 18** Select ESP or AH as the Encapsulation Protocol.

VPN Settings - Tunnel 1 - Set IPSEC Proposal

ID	Proposal Name	DH Group	Encap protocol	Encrypt algorithm	Auth algorithm	Life Time	Life Time Unit
1	IPSec Proposal	None	AH	3DES	None	0	Sec.
2		None	ESP	3DES	None	0	Sec.
3		None	ESP	3DES	None	0	Sec.
4		None	ESP	3DES	None	0	Sec.
5		None	ESP	3DES	None	0	Sec.
6		None	ESP	3DES	None	0	Sec.
7		None	ESP	3DES	None	0	Sec.
8		None	ESP	3DES	None	0	Sec.
9		None	ESP	3DES	None	0	Sec.
10		None	ESP	3DES	None	0	Sec.

**Step 19** Select DES or 3DES as the Encryption Algorithm.

VPN Settings - Tunnel 1 - Set IPSEC Proposal

ID	Proposal Name	DH Group	Encap protocol	Encrypt algorithm	Auth algorithm	Life Time	Life Time Unit
1	IPSec Proposal	None	ESP	DES	None	0	Sec.
2		None	ESP	3DES	None	0	Sec.
3		None	ESP	3DES	None	0	Sec.
4		None	ESP	3DES	None	0	Sec.
5		None	ESP	3DES	None	0	Sec.
6		None	ESP	3DES	None	0	Sec.
7		None	ESP	3DES	None	0	Sec.
8		None	ESP	3DES	None	0	Sec.
9		None	ESP	3DES	None	0	Sec.
10		None	ESP	3DES	None	0	Sec.

## Frequently Asked Questions (continued)

I have two DI-824VUP Routers, how can I set them up to work with each other? (continued)

**Step 20** Select SHA-1, MD5, or None as the Authentication Algorithm.

VPN Settings - Tunnel 1 - Set IPSEC Proposal

ID	Proposal Name	DH Group	Encap protocol	Encrypt algorithm	Auth algorithm	Life Time	Life Time Unit
1	IPSec Proposal	None	ESP	3DES	SHA1 MD5	0	Sec.
2		None	ESP	3DES	None	0	Sec.
3		None	ESP	3DES	None	0	Sec.
4		None	ESP	3DES	None	0	Sec.
5		None	ESP	3DES	None	0	Sec.
6		None	ESP	3DES	None	0	Sec.
7		None	ESP	3DES	None	0	Sec.
8		None	ESP	3DES	None	0	Sec.
9		None	ESP	3DES	None	0	Sec.
10		None	ESP	3DES	None	0	Sec.

Proposal ID: select one - Add To Proposal Index

**Step 21** Enter a Lifetime value and then either select Sec. or KB as the unit for the lifetime value.

VPN Settings - Tunnel 1 - Set IPSEC Proposal

ID	Proposal Name	DH Group	Encap protocol	Encrypt algorithm	Auth algorithm	Life Time	Life Time Unit
1	IPSec Proposal	None	ESP	3DES	None	0	KB
2		None	ESP	3DES	None	0	Sec.
3		None	ESP	3DES	None	0	Sec.
4		None	ESP	3DES	None	0	Sec.
5		None	ESP	3DES	None	0	Sec.
6		None	ESP	3DES	None	0	Sec.
7		None	ESP	3DES	None	0	Sec.
8		None	ESP	3DES	None	0	Sec.
9		None	ESP	3DES	None	0	Sec.
10		None	ESP	3DES	None	0	Sec.

Proposal ID: select one - Add To Proposal Index

**Step 22** Select 1 out of the Proposal ID dropdown menu and click Add To, which will add the proposal that was just configured to the IPSEC Proposal Index. Click Apply and the device will restart.

VPN Settings - Tunnel 1 - Set IPSEC Proposal

IPSec Proposal Index: IPSec Proposal

ID	Proposal Name	DH Group	Encap protocol	Encrypt algorithm	Auth algorithm	Life Time	Life Time Unit
1	IPSec Proposal	None	ESP	3DES	None	0	Sec.
2		None	ESP	3DES	None	0	Sec.
3		None	ESP	3DES	None	0	Sec.
4		None	ESP	3DES	None	0	Sec.
5		None	ESP	3DES	None	0	Sec.
6		None	ESP	3DES	None	0	Sec.
7		None	ESP	3DES	None	0	Sec.
8		None	ESP	3DES	None	0	Sec.
9		None	ESP	3DES	None	0	Sec.
10		None	ESP	3DES	None	0	Sec.

Proposal ID: 1 Add To Proposal Index

## Frequently Asked Questions (continued)

I have two DI-824VUP Routers, how can I set them up to work with each other? (continued)

**Step 23** Follow these instructions to configure your other DI-824VUP using the exact same settings for the IKE Proposal and the IPSec Proposal. Also make sure that Step 4 is configured to reflect the LAN settings for what is now the Local DI-824VUP and that Steps 5 & 6 are configured to reflect the Subnet and WAN IP of what is now the remote DI-824VUP.

**Step 24** To establish the connection, open a command prompt and ping an IP address of a computer on the remote LAN. Once you receive replies the tunnel has been established.

How can I set up my DI-824VUP to work with a DI-804V or DI-804HV Router?

You need to first configure your DI-824VUP router.

**Step 1** Log into the Web-based configuration of the router by typing in the IP address of the router (default: 192.168.0.1) in your web browser. By default the username is “admin” and there is no password.



The screenshot shows a web browser dialog box titled "Connect to 192.168.0.1". The dialog has a blue header with a question mark icon and a close button. Below the header is a yellow background area with a key icon. The text "DI-824VUP" is displayed. There are two input fields: "User name:" with a dropdown menu showing "admin" and a blue arrow, and "Password:" with an empty text box. Below the password field is a checkbox labeled "Remember my password". At the bottom of the dialog are two buttons: "OK" and "Cancel".

**Step 2** Click the VPN button on the left column, select the checkbox to Enable the VPN, and then in the box next to Max. number of tunnels, enter the maximum numbers of VPN tunnels that you would like to have connected.

## Frequently Asked Questions (continued)

### How can I set up my DI-824VUP to work with a DI-804V or DI-804HV Router? (continued)

**Step 3** In the space provided, enter the Tunnel Name for ID number 1, select IKE, and then click More.

D-Link  
Building Networks for People

AirPlus Xtreme G+  
High-Speed 2.4GHz Wireless Router

Home Advanced Tools Status Help

VPN Settings

Item	Setting
VPN	<input checked="" type="checkbox"/> Enable
NetBIOS broadcast	<input type="checkbox"/> Enable
Max. number of tunnels	10

ID	Tunnel Name	Method
1		IKE <input checked="" type="button" value="More"/>
2		IPsec <input type="button" value="More"/>
3		MANUAL <input type="button" value="More"/>
4		IKE <input type="button" value="More"/>
5		IKE <input type="button" value="More"/>

Previous page Next page

Dynamic VPN Settings... L2TP Server Setting... PPTP Server Setting...

Apply Cancel Help

**Step 4** In the **Local Subnet** and **Local Netmask** fields enter the network identifier for DI-824VUP's LAN and the corresponding subnet mask.

D-Link  
Building Networks for People

AirPlus Xtreme G+  
High-Speed 2.4GHz Wireless Router

Home Advanced Tools Status Help

VPN Settings - Tunnel 1

Item	Setting
Tunnel Name	New VPN
Aggressive Mode	<input type="checkbox"/> Enable
Local Subnet	192.168.0.0
Local Netmask	255.255.255.0
Remote Subnet	0.0.0.0
Remote Netmask	0.0.0.0
Remote Gateway	
Preshare Key	
IKE Proposal index	Select IKE Proposal...
IPSec Proposal index	Select IPsec Proposal...

Back Apply Cancel Help

**Step 5** In the **Remote Subnet** and **Remote Netmask** fields enter the network identifier for the DI-804V or DI-804HV's LAN and the corresponding subnet mask. Click Apply.

D-Link  
Building Networks for People

AirPlus Xtreme G+  
High-Speed 2.4GHz Wireless Router

Home Advanced Tools Status Help

VPN Settings - Tunnel 1

Item	Setting
Tunnel Name	New VPN
Aggressive Mode	<input type="checkbox"/> Enable
Local Subnet	192.168.0.0
Local Netmask	255.255.255.0
Remote Subnet	192.168.2.0
Remote Netmask	255.255.255.0
Remote Gateway	
Preshare Key	
IKE Proposal index	Select IKE Proposal...
IPSec Proposal index	Select IPsec Proposal...

Back Apply Cancel Help

## Frequently Asked Questions (continued)

### How can I set up my DI-824VUP to work with a DI-804V or DI-804HV Router? (continued)

**Step 6** The device will restart. Click on the Continue button.



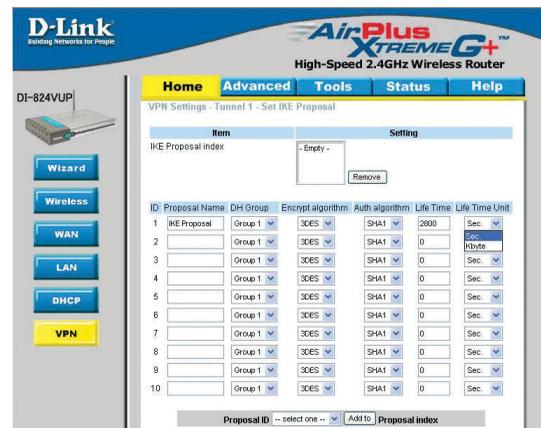
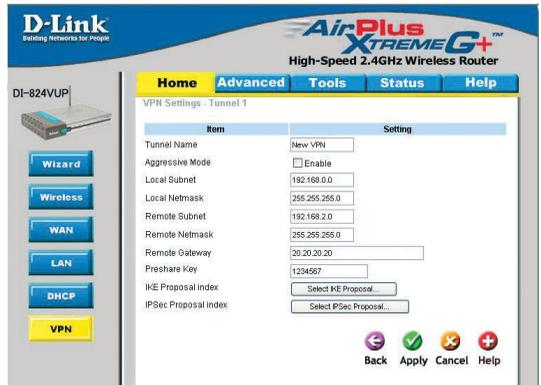
**Step 7** In the **Remote Gateway** field enter the WAN IP address of the remote DI-804V or DI-804HV and in the **Preshare Key** field, enter a key which must be exactly the same as the Preshare Key that is configured on the DI-804V or DI-804HV.

**Step 8** Click Apply and then click on Select IKE Proposal.

**Step 9** Enter a name for proposal ID number 1 and select Group 2 from the DH Group drop down menu.

**Step 10** Select 3DES as the Encryption Algorithm and SHA-1 as the Authentication Algorithm.

**Step 11** Enter a Lifetime value of 28800 and then select Sec. as the unit for the lifetime value.



## Frequently Asked Questions (continued)

### How can I set up my DI-824VUP to work with a DI-804V or DI-804HV Router? (continued)

**Step 12** Select 1 out of the Proposal ID dropdown menu and click Add To, which will add the proposal that was just configured to the IKE Proposal Index. Click Apply.

The screenshot shows the 'VPN Settings - Tunnel 1 - Set IKE Proposal' page. On the left is a sidebar with navigation buttons: Wizard, Wireless, WAN, LAN, DHCP, and VPN (highlighted in yellow). The main content area has tabs for Home, Advanced, Tools, Status, and Help. Below the tabs is a table for IKE Proposals:

ID	Proposal Name	DH Group	Encrypt algorithm	Auth algorithm	Life Time	Life Time Unit
1	IKE Proposal	Group 1	3DES	SHA1	2800	Sec.
2		Group 1	3DES	SHA1	0	Sec.
3		Group 1	3DES	SHA1	0	Sec.
4		Group 1	3DES	SHA1	0	Sec.
5		Group 1	3DES	SHA1	0	Sec.
6		Group 1	3DES	SHA1	0	Sec.
7		Group 1	3DES	SHA1	0	Sec.
8		Group 1	3DES	SHA1	0	Sec.
9		Group 1	3DES	SHA1	0	Sec.
10		Group 1	3DES	SHA1	0	Sec.

Below the table is a dropdown menu for 'Proposal ID' set to '1' and an 'Add To' button. At the bottom are buttons for Back, Apply, Cancel, and Help.

**Step 13** The device will restart. Click on the Continue button.

The screenshot shows the 'VPN Settings - Tunnel 1 - Set IPSEC Proposal' page. The main content area displays the message 'The device is restarting...' and a 'Continue' button.

**Step 14** Click Back and click on Select IPsec Proposal.

**Step 15** Enter a name for proposal ID number 1 and select None from the DH Group drop-down menu.

**Step 16** Select ESP as the Encapsulation Protocol.

The screenshot shows the 'VPN Settings - Tunnel 1 - Set IPSEC Proposal' page. On the left is a sidebar with navigation buttons: Wizard, Wireless, WAN, LAN, DHCP, and VPN (highlighted in yellow). The main content area has tabs for Home, Advanced, Tools, Status, and Help. Below the tabs is a table for IPsec Proposals:

ID	Proposal Name	DH Group	Encap protocol	Encrypt algorithm	Auth algorithm	Life Time	Life Time Unit
1	IPSec Proposal	None	ESP	3DES	None	0	Sec.
2		None	ESP	3DES	None	0	Sec.
3		None	ESP	3DES	None	0	Sec.
4		None	ESP	3DES	None	0	Sec.
5		None	ESP	3DES	None	0	Sec.
6		None	ESP	3DES	None	0	Sec.
7		None	ESP	3DES	None	0	Sec.
8		None	ESP	3DES	None	0	Sec.
9		None	ESP	3DES	None	0	Sec.
10		None	ESP	3DES	None	0	Sec.

Below the table is a dropdown menu for 'Proposal ID' set to 'select one' and an 'Add To' button. At the bottom are buttons for Back, Apply, Cancel, and Help.

## Frequently Asked Questions (continued)

How can I set up my DI-824VUP to work with a DI-804V or DI-804HV Router? (continued)

**Step 17** Select 3DES as the Encryption Algorithm and MD5 as the Authentication Algorithm. Click Apply.

VPN Settings - Tunnel 1 - Set IPsec Proposal

ID	Proposal Name	DH Group	Encap protocol	Encrypt algorithm	Auth algorithm	Life Time	Life Time Unit
1	IPSec Proposal	None	ESP	3DES	MD5	0	Sec.
2		None	ESP	3DES	None	0	Sec.
3		None	ESP	3DES	None	0	Sec.
4		None	ESP	3DES	None	0	Sec.
5		None	ESP	3DES	None	0	Sec.
6		None	ESP	3DES	None	0	Sec.
7		None	ESP	3DES	None	0	Sec.
8		None	ESP	3DES	None	0	Sec.
9		None	ESP	3DES	None	0	Sec.
10		None	ESP	3DES	None	0	Sec.

**Step 18** Enter a Lifetime value of 3600 and then select Sec. as the unit for the lifetime value.

VPN Settings - Tunnel 1 - Set IPsec Proposal

ID	Proposal Name	DH Group	Encap protocol	Encrypt algorithm	Auth algorithm	Life Time	Life Time Unit
1	IPSec Proposal	None	ESP	3DES	None	3600	Sec.
2		None	ESP	3DES	None	0	Sec.
3		None	ESP	3DES	None	0	Sec.
4		None	ESP	3DES	None	0	Sec.
5		None	ESP	3DES	None	0	Sec.
6		None	ESP	3DES	None	0	Sec.
7		None	ESP	3DES	None	0	Sec.
8		None	ESP	3DES	None	0	Sec.
9		None	ESP	3DES	None	0	Sec.
10		None	ESP	3DES	None	0	Sec.

Proposal ID: 1 Add to Proposal Index

**Step 19** Select 1 out of the Proposal ID dropdown menu and click Add To, which will add the proposal that was just configured to the IPsec Proposal Index. Click Apply. The device will restart. Click on the Continue button.

VPN Settings - Tunnel 1 - Set IPsec Proposal

ID	Proposal Name	DH Group	Encap protocol	Encrypt algorithm	Auth algorithm	Life Time	Life Time Unit
1	IPSec Proposal	None	ESP	3DES	None	0	Sec.
2		None	ESP	3DES	None	0	Sec.
3		None	ESP	3DES	None	0	Sec.
4		None	ESP	3DES	None	0	Sec.
5		None	ESP	3DES	None	0	Sec.
6		None	ESP	3DES	None	0	Sec.
7		None	ESP	3DES	None	0	Sec.
8		None	ESP	3DES	None	0	Sec.
9		None	ESP	3DES	None	0	Sec.
10		None	ESP	3DES	None	0	Sec.

Proposal ID: 1 Add to Proposal Index

## Frequently Asked Questions (continued)

### How can I set up my DI-824VUP to work with a DI-804V or DI-804HV Router? (continued)

Next you need to configure the DI-804V or DI-804HV Router.

**Step 1** Access the router's web configuration by entering the router's IP address in your web browser. The default IP address is 192.168.0.1. Login using your password. The default username is "admin" and the password is blank.

**Step 2** Click on Basic Setup and then select Device IP Settings on the left.

**Step 3** Change the LAN IP address so that it is on a different subnet than the LAN of the DI-824VUP.

**Step 4** Click Next until you reach the Save & Restart screen. Click Save & restart and then click Basic Setup once until the unit has rebooted.

**Step 5** Click on VPN Settings.

The screenshot shows the D-Link VPN Router DI-804V web interface. The top navigation bar includes tabs for DEVICE INFORMATION, DEVICE STATUS, BASIC SETUP (highlighted), ADVANCED SETTINGS, SYSTEM TOOLS, and HELP. On the left, a 'Main menu' sidebar lists various settings categories, with 'DEVICE IP SETTINGS' highlighted. The main content area is titled 'DEVICE LAN IP SETTINGS' and contains the text: 'The device LAN IP address and subnet Mask settings'. Below this, there are two rows of input fields: 'IP Address' with values 192, 168, 1, 1 and 'IP Subnet Mask' with values 255, 255, 255, 0. At the bottom right of the form are '< BACK' and 'NEXT >' buttons. A note below the form reads: 'NOTE: Please click "Next" to accept the settings.' The footer of the page says 'Copyright © 2000'.

**Step 6** Name your VPN connection and click ADD.

**Step 7** In Remote IP Network and Remote IP Netmask fields enter the network identifier and corresponding subnet mask of the DI-824VUP's LAN.

**Step 8** In the Remote Gateway IP field enter the WAN IP address of the DI-824VUP and make sure that the Network Interface is set to WAN Ethernet.

**Step 9** Verify that Secure Association is set to IKE and that Perfect Forward Secure is Disabled.

The screenshot shows the D-Link VPN Router DI-804V web interface. The top navigation bar is the same as in the previous screenshot. The left sidebar has 'VPN SETTINGS' highlighted. The main content area is titled 'VPN SETTINGS' and shows a 'Connection Name' field with the text 'New VPN' and an 'ADD' button to its right. Below this is a table with the following structure:

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

At the bottom right of the form are '< BACK' and 'NEXT >' buttons. The footer of the page says 'Copyright © 2000'.

## Frequently Asked Questions (continued)

### How can I set up my DI-824VUP to work with a DI-804V or DI-804HV Router? (continued)

**Step 10** Verify the Encryption Protocol is set to 3DES and enter in your Preshared Key.

**Note:** The Preshared Key needs to be identical to the one configured on the DI-824VUP.

**Step 11** Leave the Key Life and IKE Life Time values at their default levels and click SAVE.

**D-Link** **VPN Router** **DI-804V**

DEVICES INFORMATION DEVICES STATUS **BASIC SETUP** ADVANCED SETTINGS SYSTEM TOOLS HELP

Main menu

**VPN SETTINGS**

Connection Name: NewVPN

Local IPSEC Identifier: Local

Remote IPSEC Identifier: Remote

Remote IP Network: 192 168 0 0

Remote IP Netmask: 255 255 255 0

Remote Gateway IP: 10 10 10 10

Network Interface: WAN ETHERNET

Secure Association:  IKE  Manual

Perfect Forward Secure:  Enabled  Disabled

Encryption Protocol: 3DES

PreShared Key: 132456

Key Life: 3600 Seconds

IKE Life Time: 28800 Seconds

**SAVE**

**Step 12** Click Next and then click on Save & Restart.

**SAVE & RESTART**

After you have configured both routers, you need to establish a connection.

**Step 1** Open a command prompt and from a computer on the internal LAN of the DI-824VUP and ping the IP address of a computer that is on the internal LAN of the DI-804V or DI-804HV, or vice versa.

**Step 2** Once you begin to receive replies, the VPN connection has been established.

```
D:\>ipconfig
Windows 2000 IP Configuration

Ethernet adapter Local Area Connection 10:

    Connection-specific DNS Suffix  . : 
    IP Address. . . . . : 192.168.1.2
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.1.1

D:\>ping 192.168.0.100

Pinging 192.168.0.100 with 32 bytes of data:

Reply from 192.168.0.100: bytes=32 time=10ms TTL=126
Reply from 192.168.0.100: bytes=32 time<10ms TTL=126
Reply from 192.168.0.100: bytes=32 time<10ms TTL=126
Reply from 192.168.0.100: bytes=32 time<10ms TTL=126

Ping statistics for 192.168.0.100:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 10ms, Average = 2ms
```

## Frequently Asked Questions (continued)

### How can I set up my DI-824VUP to work with a DI-804V or DI-804HV router? (continued)

**Step 3** To view the Status of the VPN on the DI-804V or DI-804HV, click on Device Status.

**Step 4** From the Device Status screen click on VPN Status.

**Step 5** When the VPN has been established the Status will be Active.

The screenshot shows the D-Link VPN Router DI-804V web interface. The top navigation bar includes tabs for DEVICE INFORMATION, DEVICE STATUS (selected), BASIC SETUP, ADVANCED SETTINGS, SYSTEM TOOLS, and HELP. The main content area is titled 'DEVICE STATUS' and features a diagram showing a central router connected to a 'LAN' (with a computer icon), a 'Modem Backup' (with a modem icon), and a 'Cable/xDSL Modem' (with a modem icon). Below the diagram, the 'VPN STATUS' section shows 'WAN Ethernet: No Connection Active' and 'Asynchronous: No Connection Active'. The 'DHCP LOG' section displays 'LAN IP: 192.168.0.100 . MAC: 00:50:BA:C9:E5:3C'. On the left side, there is a 'Main menu' with options like 'WAN Ethernet', 'Modem Dialup:', and 'Device IP:', along with buttons for 'RELEASE', 'RENEW', 'VPN STATUS', and 'DHCP LOG'.

### How can I set up my DI-824VUP to work with a DFL-300 Firewall?

You need to first configure your DI-824VUP router.

**Step 1** Log into the web based configuration of the router by typing in the IP address of the router (default: 192.168.0.1) in your web browser. By default the username is “admin” and there is no password.

**Step 2** Click the VPN button on the left column, select the checkbox to Enable the VPN, and then in the box next to Max. number of tunnels, enter the maximum numbers of VPN tunnels that you would like to have connected.