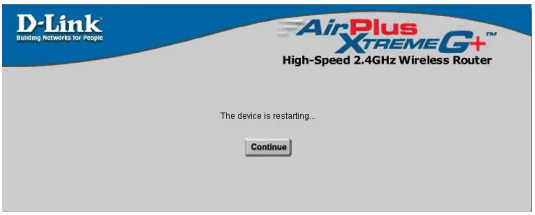
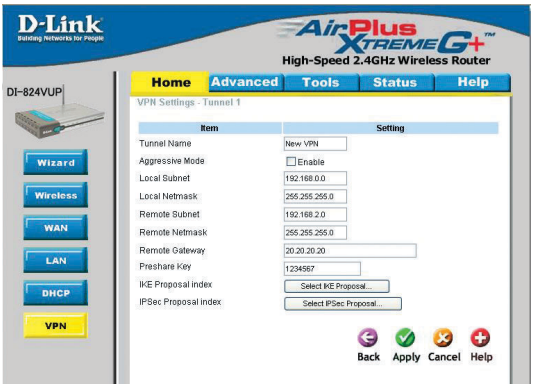
I have two DI-824VUP Routers, how can I set them up to work with each other? (continued)

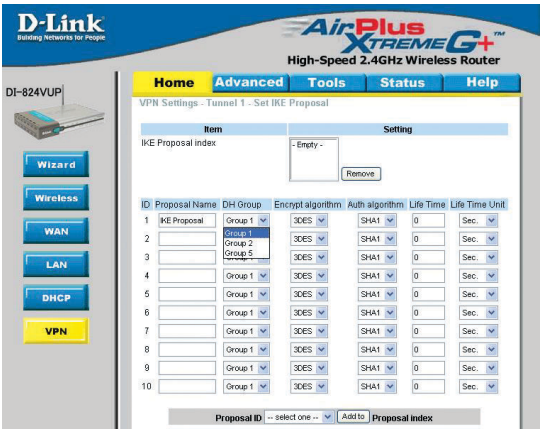
Step 8 The device will restart. Click on the Continue button.



Step 9 Click on Select IKE Proposal.

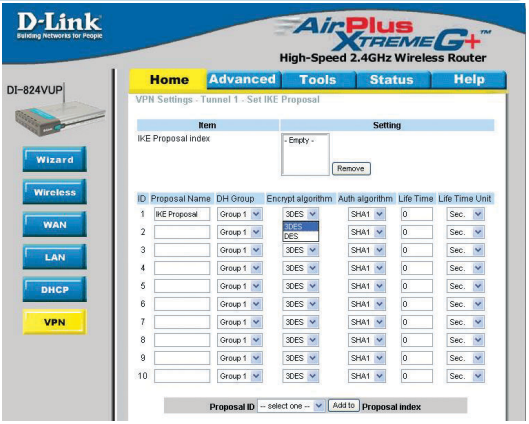


Step 10 Enter a name for proposal ID number 1 and select Group 1, 2, or 5 from the DH Group dropdown menu.

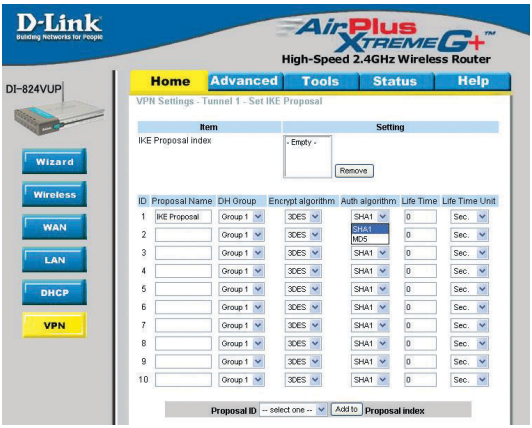


I have two DI-824VUP Routers, how can I set them up to work with each other? (continued)

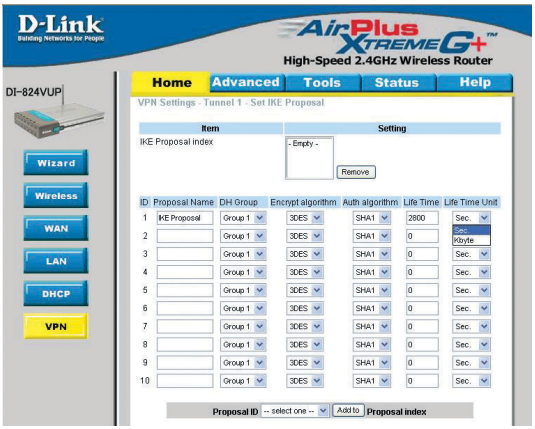
Step 11 Select DES or 3DES as the Encryption Algorithm.



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

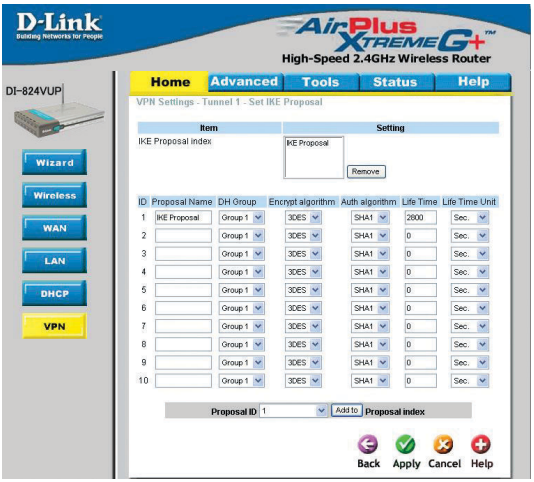


Step 13 Enter a Lifetime value of 2800 and then either select Sec. or KByte as the unit for the lifetime value.

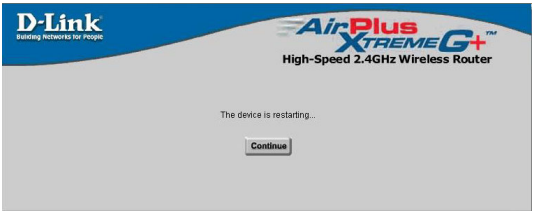


I have two DI-808HV Routers, how can I set them up to work with each other? (continued)

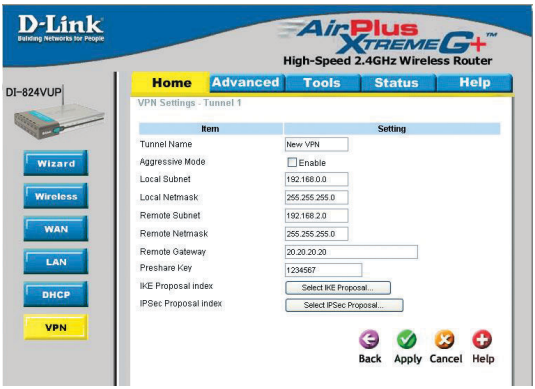
Step 14 Select 1 out of the Proposal ID dropdown menu and click Add To, which will add the proposal that was just configured to the IKE Proposal Index. Click Apply.



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

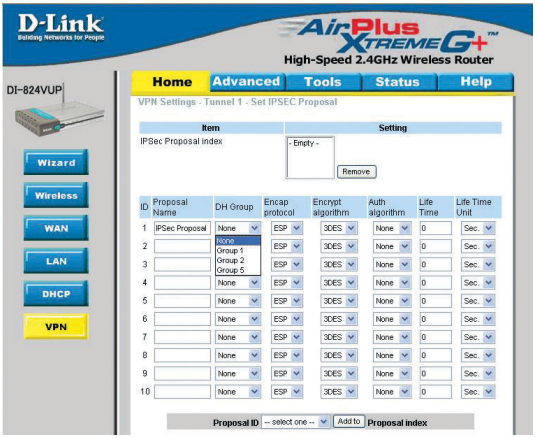


Step 16 Click on Select IPSec Proposal.

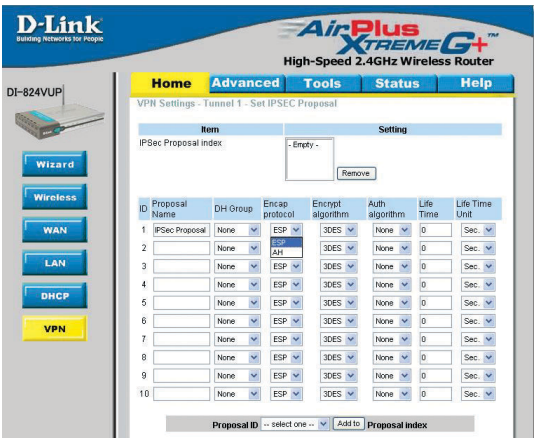


I have two DI-824VUP Routers, how can I set them up to work with each other?(continued)

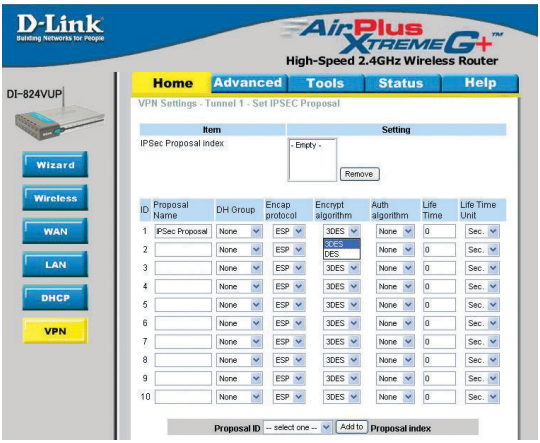
Step 17 Enter a name for proposal ID number 1 and select Group 1, 2, 5, or None from the DH Group dropdown menu.



Step 18 Select ESP or AH as the Encapsulation Protocol.

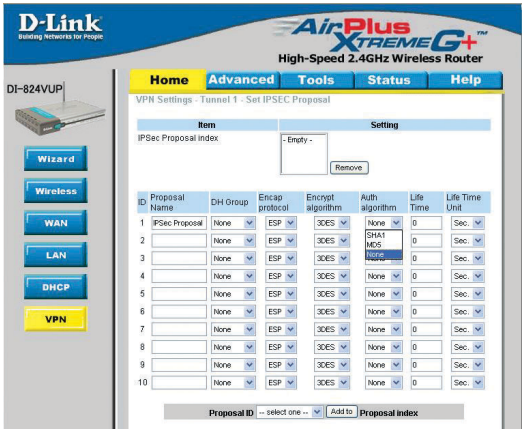


Step 19 Select DES or 3DES as the Encryption Algorithm.

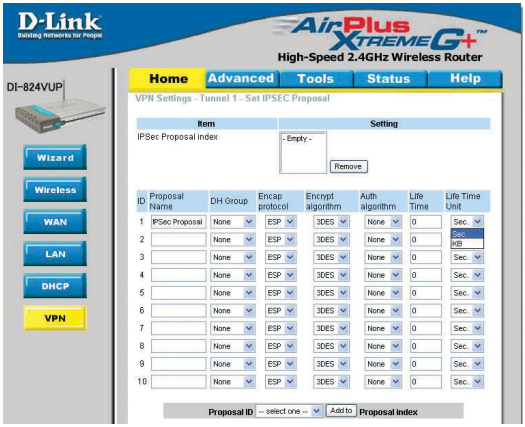


I have two DI-824VUP Routers, how can I set them up to work with each other? (continued)

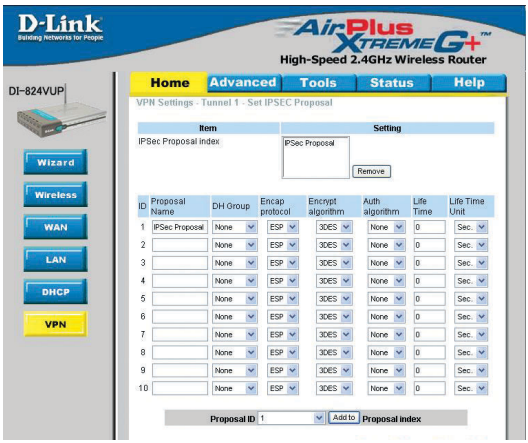
Step 20 Select SHA-1, MD5, or None as the Authentication Algorithm.



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



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.



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?

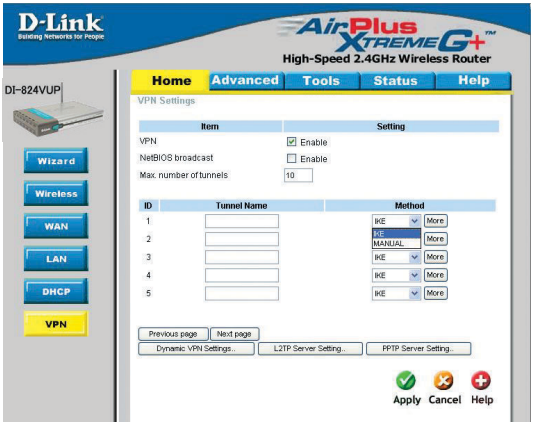
You need to first configure your DI-824VUP router.

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.

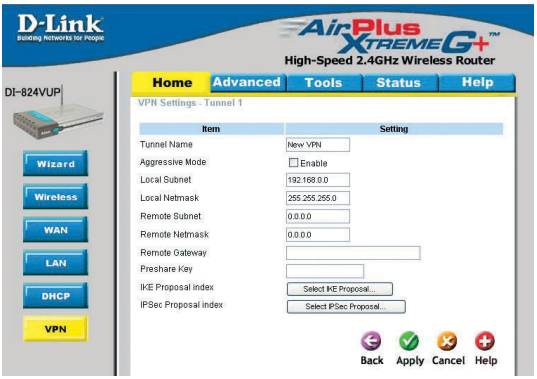
Step 2 Click the VPN button on the left column, select the checkbox to Enable the VPN, and then in the box next to Max. number of tunnels, enter the maximum numbers of VPN tunnels that you would like to have connected.

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

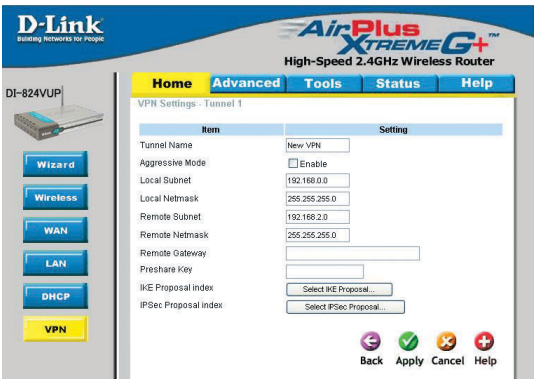
Step 3 In the space provided, enter the Tunnel Name for ID number 1, select IKE, and then click More.



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

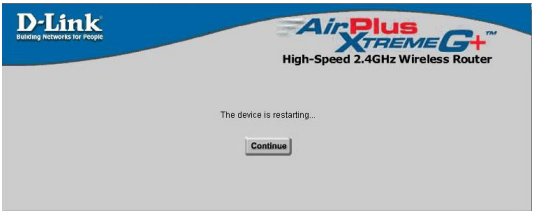


Step 5 In the **Remote Subnet** and **Remote Netmask** fields enter the network identifier for the DI-804V or DI-804HV's LAN and the corresponding subnet mask. Click Apply.

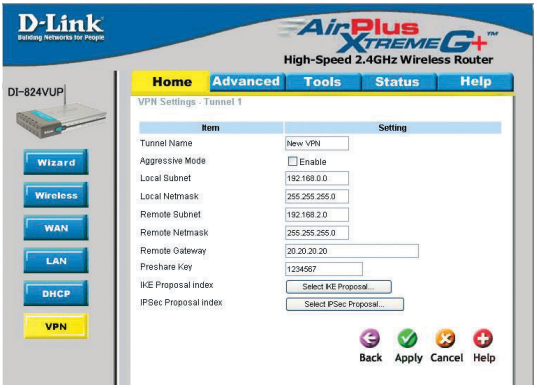


How can I set up my DI-824VUP to work with a DI-804V or DI-804HV Router? (continued)

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.

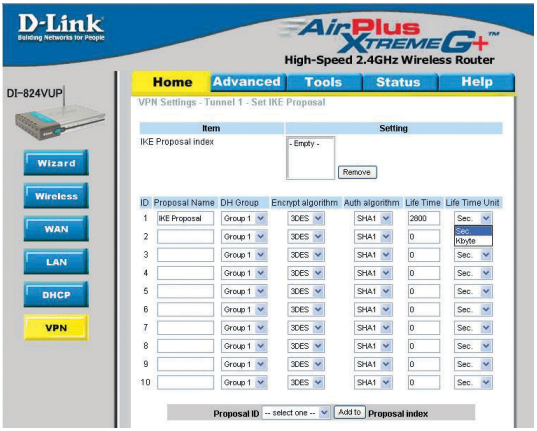


Step 8 Click Apply and then click on Select IKE Proposal.

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

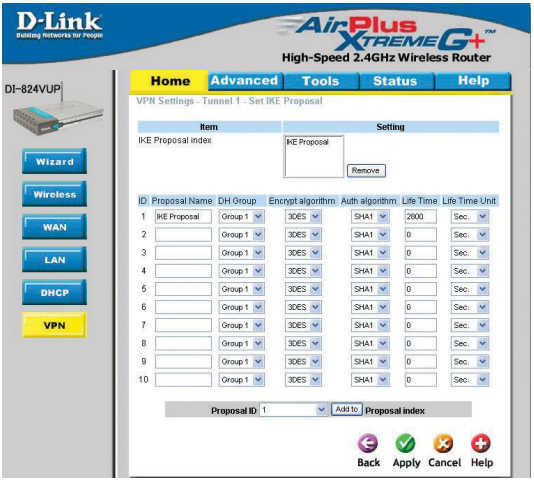
Step 10 Select 3DES as the Encryption Algorithm and SHA-1 as the Authentication Algorithm.

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

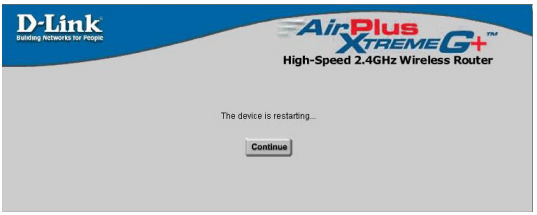


How can I set up my DI-824VUP to work with a DI-804V or DI-804HV Router? (continued)

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.



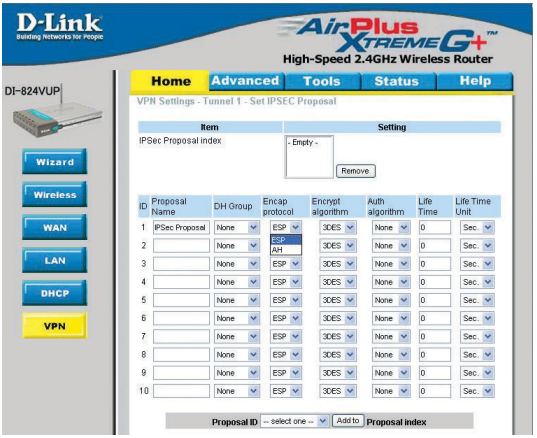
Step 13 The device will restart. Click on the Continue button.



Step 14 Click Back and click on Select IPSec Proposal.

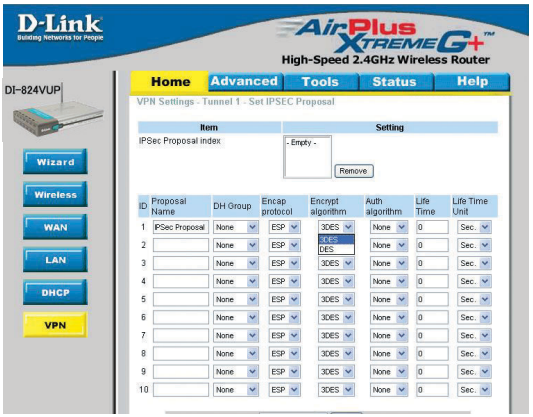
Step 15 Enter a name for proposal ID number 1 and select None from the DH Group drop-down menu.

Step 16 Select ESP as the Encapsulation Protocol.

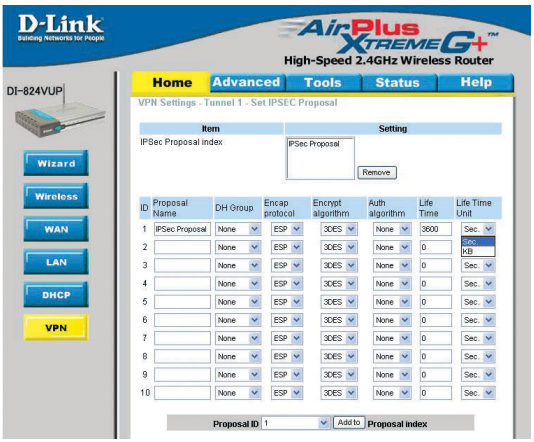


How can I set up my DI-824VUP to work with a DI-804V or DI-804HV Router? (continued)

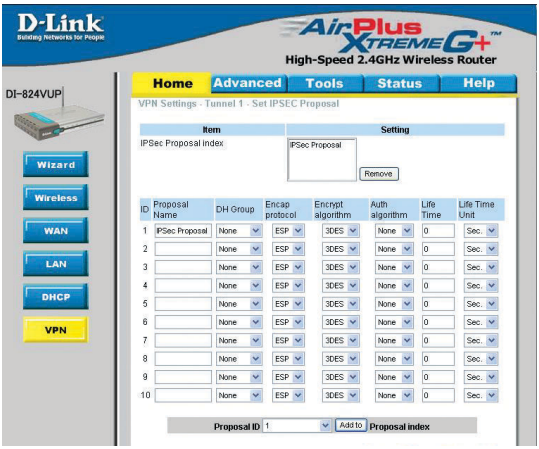
Step 17 Select 3DES as the Encryption Algorithm and MD5 as the Authentication Algorithm. Click Apply.



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



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.



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.

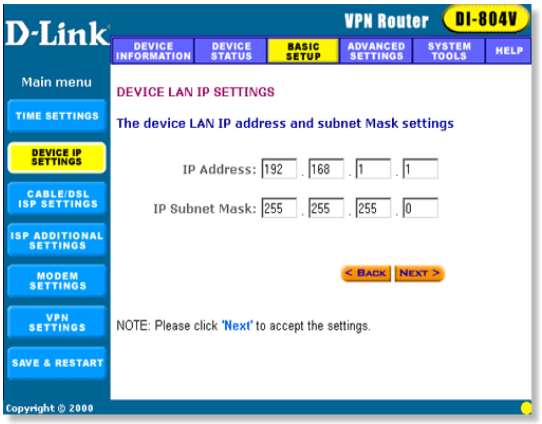
Step 1 Access the router's web configuration by entering the router's IP address in your web browser. The default IP address is 192.168.0.1. Login using your password. The default username is "admin" and the password is blank.

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.



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.

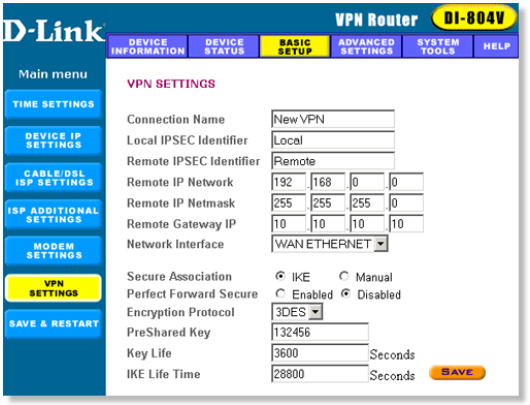
Step 8 In the Remote Gateway IP field enter the WAN IP address of the DI-824VUP and make sure that the Network Interface is set to WAN Ethernet.

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

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.

Step 12 Click Next and then click on 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.

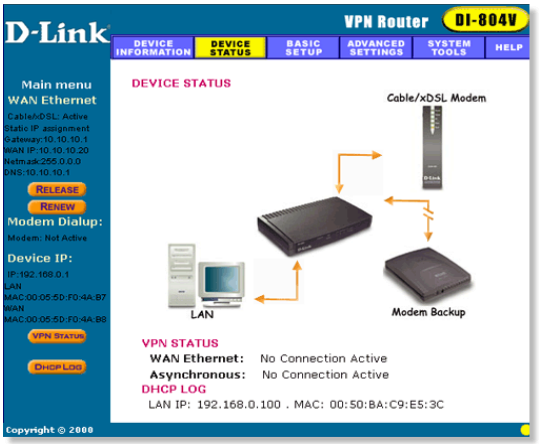
```
D:\>ipconfig

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
```

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.



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.