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.

| | Ho | me | Advan | ced | Т | ool | 5 | Sta | tus | He | elp |
|----|----------|------------|-------------|--------|----------|--------|------------|--------|-----------|----------|--------|
| - | VPN Set | tings - Tı | innel 1 - S | et IKE | Propo | sal | | | | | |
| | | Ite | m | | | | | Settir | g | | |
| L. | IKE Prop | osal index | | | - Empt | (- | | | | | |
| | | | | | I | | _ | | | | |
| | | | | | <u> </u> | _ | Remove | | | | |
| | ID Prope | eal Name | DH Group | End | comt alc | orithn | n âuth aln | arithm | Life Time | Life Tim | e i ir |
| | 1 KEP | roposal | Group 1 | ~ | 3DES | * | SHA1 | ~ | 0 | Sec. | ¥ |
| | 2 | | Group 1 | | SDES | ~ | SHAT | ~ | 0 | Sec. | ~ |
| L | 3 | | Group 5 | | 3DES | ~ | SHA1 | ~ | 0 | Sec. | * |
| | 4 | | Group 1 | ~ | 3DES | ~ | SHA1 | ~ | 0 | Sec. | ~ |
| | 5 | | Group 1 | ~ | 3DES | ~ | SHAT | ~ | 0 | Sec. | Y |
| L | 6 | | Group 1 | ~ | 3DES | ~ | SHA1 | ~ | 0 | Sec. | ¥ |
| L | 7 | | Group 1 | ~ | 3DES | ~ | SHAT | ~ | 0 | Sec. | ~ |
| | 8 | | Group 1 | ~ | 3DES | * | SHAT | ~ | 0 | Sec. | * |
| | 9 | | Group 1 | ~ | 3DES | ~ | SHA1 | ~ | 0 | Sec. | × |
| | 10 | | Group 1 | ~ | 30ES | ~ | SHAT | ~ | 0 | Sec | ~ |

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.

D-Link Building Networks for People

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

| | Home | Advanced | Tools | Stat | tus | Help |
|---|---|---|--|--|--|--|
| VP | N Settings - | Funnel 1 - Set IK | E Proposal | | | |
| | P | lem | | Settin | q | |
| IKE | Proposal ind | ex | - Empty - | | | |
| | | | | | | |
| | | | | emove | | |
| ID | Proposal Nar | ne DH Group Er | ncrypt algorithm / | Auth algorithm | Life Time | Life Time Uni |
| 1 | IKE Proposal | Group 1 💌 | 3DES 🗸 | SHA1 🗸 | 0 | Sec. 💌 |
| 2 | | Group 1 💌 | 3DES 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. 💌 |
| werss for People | | Proposal ID – S | elections V Ac | d 2.4GHz | l index | G+" ss Router |
| nk | Home | Proposal ID - 99 | elections V Ac Aligh-Spee | d 2.4GHz | l index S Wirele tus | SS Router Help |
| k roopit | Home N Settings - | Proposal ID - 99 Advanced Fonnel 1 - Set IK | Adding High-Spee Tools E Proposal | d 2.4GHz | l index S Wirele tus | C+ ss Router Help |
| K COUR | Home N Settings - | Proposal ID - Advanced | High-Spee Froposal | d to Proposa | l index S Wirele tus | Ss Router Help |
| | Home N Settings II : Proposal indi | Proposal ID 90 Advanced runnel 1 - Set IK em | High-Spee | d 2.4GHz Settir | l index S Wirele tus | SS Router Help |
| K Propie | Home N Settings - Proposal inde | Proposal ID | High-Spee Tools E Proposal | d 2.4GHz Settir | l index S Wirele tus | SS Router Help |
| Kopit VP. | Home N Settings - I Proposal inde | Proposal ID - 90 Advanced Funnel 1 - Set IK em ex | High-Spee Tools E Proposal | d 2.4GHz Settin | l index S Wirele tus | SS Router Help |
| C VP | Home N Settings - N Proposal inde | Advanced funnel 1 - Set IK em ex | High-Spee Tools E Proposal | dito proposa Carlos de la composa de la composa de la composa settin tensove | l index S Wirele tus | SS Router Help |
| VP IKE | Home N Settings - " Proposal Nan Proposal Nan | Proposal ID - or Advanced runnel 1 - Set IK em ex | High-Spee High-Spee Tools E Proposal . Empty- | dito proposa control proposa d 2.4GHz Star settin temove | l index Wirele tus ng | ss Router Help |
| VP IKE | Home N Settings - Proposal Nan (KE Proposal | Proposal ID - 64 Advanced funnel 1 - Set IK en en e DH Group E Group 1 Group 1 Group 1 | High-Spee Tools E Proposal Emety- Emety- E mety- E Free Fre | dio Proposa Contractor d 2.4GHz Settin Settin Nuth algorithm | l index Wirele tus | ss Router Help |
| VPI IKE | Home N Settings - N Proposal Inde Proposal Nan IntE Proposal | Proposal ID – 64 Advanced Unnel 1 - Set IK em EX Oroup 1 * Oroup 1 * Oroup 1 * Oroup 1 * | High-Spee Tools Proposal E Proposal Entry - E See S See S | dito Proposa Carlos Carlos Ca | l index Wirele tus | ss Router Help |
| VP IKE | Home N Settings - N Proposal Inde Proposal INan INE Proposal | Proposal D = 44 Advanced Advanced unnel 1 - Set IK em y Coupt * Coupt * Coupt * Coupt * Coupt * | Alectore – V Ad Alectore – V Ad High-Spee Tools Proposal - Endy- E Ses V Ses V Ses V Ses V Ses V | dito Proposa dito Proposa dito Proposa dito Proposa setti setti Mas SHAI V SHAI V SHAI V SHAI V | Life Time 0 0 0 | e Life Time Un Sec. W Sec. W Sec. W |
| VP IKE 1 1 2 3 4 4 | Home N Settings I Proposal Inde Proposal Nan IrtE Proposal Inde | Proposal D = < Advanced Innel 1 - Set IK en proposal W Group 1 W Group 1 W Group 1 W Group 1 W | High-Spee Tools Proposal -Enery- (2) (2) (2) (2) (2) (2) (2) (2) | d to Proposal d to Proposal d 2.4GHz Stat Stat SHA1 V SHA1 V SHA1 V SHA1 V | Life Time 0 0 0 0 | E Life Time Un Sec. W Sec. W Sec. W |
| VP WP IKE 3 4 5 | Home N Settings - Proposal Inda Proposal Nan (KE Proposal | Proposal D - 44 Advanced - Advanced - Group I - | dect one - v Additional High-Spee Tools E Proposal -Emery- E Second -Emery- 205 v -205 v 305 v -305 v | Id 10 Proposal Id 2.4GHz Stat Stat Stat Stat Stat SHA1 × SHA1 × | Life Time 0 0 0 0 0 | E Life Time Un Sec. W Sec. W Sec. W Sec. W |
| VP IKE 1 1 2 3 4 5 6 6 | Home N Settings - Proposal Nan Proposal Nan | Proposal D - 40 Advanced - Advanced - Image: Second | High-Spee Tools E Proposal E Proposal E Proposal E See W 365 W 365 W 365 W 365 W 365 W 365 W 365 W 365 W | ktito Proposal Q 2,4GHz Stat Stat Stat Stat SHA1 SHA1 SHA1 SHA1 SHA1 SHA1 SHA1 SHA1 SHA1 SHA1 SHA1 SHA1 | Life Time 0 0 0 0 0 0 0 0 | Elfe Time Un Sec. W Sec. W Sec. W Sec. W |
| Гтора (тора) И 1 1 2 4 5 6 7 7 7 | Home N Settings | Proposal D = 24 Advanced unnel 1 - Set (K oroug 1 = oroug 1 = | steet one - A High-Spee Tools E Proposal - - - - Empty - F F - aces w aces w aces w aces w aces w aces w aces w aces w aces w aces w aces w aces w | tetto Proposa d 2.4GHz Settin Settin Settin SHA1 ¥ SHA1 ¥ SHA1 ¥ SHA1 ¥ SHA1 ¥ SHA1 ¥ | lindex li | E Life Time Un Sec. W Sec. W Sec. W Sec. W Sec. W |
| VP IKE 3 4 5 5 7 8 | Home N Settings - I I Proposal Inde Proposal Inde I I I I I I I I I I I I I I I I I I I | Proposal D - 60 Advanced - Advanced - Immed 1 - Set IR - Oroug 1 w - | High-Spee High-Spee Tools Tools Proposal -Enery- 2 205 × 305 × | Mite Proposal Venova Venova Settia Settia Venova SHA1 × SHA1 × SHA1 × | Life Time 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | ELITE TIME UN Sec. W Sec. W Sec. W Sec. W Sec. W |
| Кир Иса 1 1 2 3 4 4 5 6 6 7 7 9 9 | Home N Settings | Proposal D - 20 Advanced - Immediation - Orougitive - | alect one - · · · / Ale High-Spee Tools Proposal - Entry - · · · · · · · · · · · · · · · · · · | kito Proposa Vital Proposa Vital Stati Setti Setti Mos Stati Stati Stati | Life Time 0 0 0 0 0 0 0 0 0 0 0 0 0 | ELife Time Un Sec. W Sec. W Sec. W Sec. W Sec. W |

AirPlus C.

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

| | Home | Advanced | Tools | Sta | tus | Hel |
|-----------------------|----------------|--|--------------------------------------|--------------------------------------|-----------|----------------------------|
| VPP | I Settings - T | unnel 1 - Set IK | E Proposal | | | |
| | It | em | | Setti | ng | |
| IKE | Proposal inde | α | - Empty - | | | |
| | | | | | | |
| | | | | Remove | | |
| ID | Proposal Nam | e DH Group E | ncrypt algorithm | Auth algorithm | Life Time | Life Time U |
| 1 | KE Proposal | Group 1 💌 | 3DES 💌 | SHA1 🗸 | 2800 | Sec. 💌 |
| 2 | | Group 1 💌 | 3DES 💌 | SHA1 💌 | 0 | Sec. |
| 3 | | Group 1 💌 | 3DES 💌 | SHA1 💌 | 0 | Sec. V |
| 4 | | Group 1 💌 | 3DES 💌 | SHA1 💌 | 0 | Sec. 💌 |
| | | Group 1 💌 | 3DES 💌 | SHA1 💌 | 0 | Sec. 💌 |
| 5 | | | | Care a se | 0 | Sec. 💌 |
| 5 6 | | Group 1 💌 | 3DES 🐱 | SPIA1 V | - | |
| 5 6 7 | | Group 1 🛩 Group 1 🛩 | 3DES 🛩 | SHA1 V | 0 | Sec. V |
| 5 6 7 8 | | Group 1 🛩 Group 1 🛩 Group 1 🛩 | 3DES 🛩 3DES 🛩 | SHA1 V SHA1 V | 0 | Sec. 🗸 |
| 5 6 7 8 9 | | Group 1 ¥ Group 1 ¥ Group 1 ¥ Group 1 ¥ | 3DES ¥ 3DES ¥ 3DES ¥ 3DES ¥ | SHA1 V SHA1 V SHA1 V SHA1 V | 0 | Sec. V Sec. V Sec. V |

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.

| Ho | me [| Advance | ed | Tool | s Sta | itus | Help |
|---------|--------------|--------------|---------|-----------|------------------|-----------|---------------|
| VPN Se | ettings - Tu | nnel 1 - Set | IKE Pro | posal | | | |
| | Iter | n | | | Sett | ng | |
| IKE Pro | posal index | | KE | Proposal | | | |
| | | | | | Remove | | |
| | | | - | | | | |
| ID Prop | oosal Name | DH Group | Encrypt | algorithr | n Auth algorithn | Life Time | Life Time Uni |
| 1 IKE | Proposal | Group 1 💌 | 3D | !S 💙 | SHA1 💌 | 2800 | Sec. 💌 |
| 2 | | Group 1 💌 | 3D | is 🗸 | SHA1 💌 | 0 | Sec. 💌 |
| 3 | | Group 1 💌 | 30 | s 🖌 | SHA1 💌 | 0 | Sec. 💌 |
| 4 | | Group 1 💌 | 30 | s 🗸 | SHA1 🛩 | 0 | Sec. 💌 |
| 5 | | Group 1 💌 | 30 | s 🗸 | SHA1 💌 | 0 | Sec. 💌 |
| 6 | | Group 1 💌 | 30 | s 🗸 | SHA1 💌 | 0 | Sec. 💌 |
| 7 | | Group 1 💌 | 30 | s 🗸 | SHA1 M | 0 | Sec. 🗸 |
| 8 | | Group 1 💌 | 30 | IS 💙 | SHA1 ¥ | 0 | Sec. 🗸 |
| 9 | | Group 1 👻 | 30 | IS 🗸 | SHA1 💌 | 0 | Sec. 🗸 |
| 10 | | Group 1 💌 | 30 | s 🗸 | SHA1 ¥ | 0 | Sec. 🗸 |
| | | - | | | | | |
| | 3 | Proposal ID | 0 | * | Add to Propos | al index | |

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

| D-Link | Air Plus |
|--------|-----------------------------------|
| | High-Speed 2.4GHz Wireless Router |
| | The device is restarting |
| | Continue |
| | |

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)

D-Link

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 |
|-------|-------|-----------|--------|----|----|----|-----|
| Encar | osula | tion Prot | tocol. | | | | |

| 324VUP | Home | Advance | ed) T | ools | Statu | 5 | Help |
|---|--|--|---|--|--|---|---|
| | VPN Settings - | Funnel 1 - Set | IPSEC Pro | oposal | | | |
| - Co | H | em | | | Setting | | |
| Wizard | IPSec Proposal in | ndex | - Empt | Y - | ve | | |
| Wireless | ID Proposal Name | DH Group p | Encap Irotocol | Encrypt algorithm | Auth algorithm | Life Time | Life Time Unit |
| WAN | 1 IPSec Proposal | None 💌 | ESP 🛩 | 3DES 💌 | None 💌 | 0 | Sec. 🗸 |
| | 2 | Group 1 | ESP 🛩 | 3DES 💌 | None 💌 | 0 | Sec. 🗸 |
| LAN | 3 | Group 2 Group 5 | ESP 💌 | 3DES 💌 | None 💌 | 0 | Sec. 🗸 |
| | 4 | None 💌 | ESP 💌 | 3DES 💌 | None 💌 | 0 | Sec. 🛩 |
| DHCP | 5 | None 💌 | ESP 💌 | 3DES 💌 | None 💌 | 0 | Sec. 🗸 |
| VDN | 6 | None 🔽 | ESP 💌 | 3DES 💌 | None 💌 | 0 | Sec. 🗸 |
| VEN | 7 | None 💌 | ESP 🛩 | 3DES 💌 | None 💌 | 0 | Sec. 🗸 |
| | 8 | None 💙 | ESP 👻 | 3DES 💌 | None 💌 | 0 | Sec. 🗸 |
| | | 1.0 | (in the second | | blenn be | 0 | |
| | 9 | None 💌 | ESP 💌 | 3DES 🚩 | 140116 | 0 | 3ec. 💌 |
| D-Link | 9 | None V None V Proposal ID | ESP V ESP V | 30ES V 30ES V Add to | Proposal in | lex | Sec. V |
| D-Link | 9 10 | None V None V Proposal ID | ESP V ESP V - select one - | 30es v 30es v Add to | Proposal in Proposal in AGHz Wi | dex ireles: | Sec. V Sec. V |
| | 9 10 10 Home | None V None V Proposal ID - | ESP V ESP V - select one - High | 30ES V 30ES V Add to -Speed 2 00IS | Proposal interest of the second secon | ireles: | Sec. V Sec. V Sec. V |
| D-Link ma Attack i Ja Aspe ZAVUP Wizard | 9 10 VPN Settings -1 IPSec Proposal in | None Proposal ID Advance Composal ID Advance Com | ESP V ESP V - select one - High ed T IPSEC Pro | Addto | Proposal in Proposal in AGHz Wi Status Setting | ireles: | Sac. V |
| P-Link Ing Ritarits Brage 24VUP Wizard Wizard | 9 10 Home VPN Settings -1 IPSec Proposal in D Proposal Name | None No | ESP V ESP V - select one - High ed T IPSEC Pro | Add to Add to - V Add to - Speed 2 Cools - Speed 2 - Speed 2 | Proposal init | Life Time | Sec. V Sec. V Sec. V |
| PLEASE BY MEYER | 9 10 VPN Settings - 1 IPSec Proposal in 1 PSec P | None | ESP | Cost C | Proposal init | u o dex s Life Time 0 | Sec. V Sec. V Sec. V |
| P-Link Markets Ber Avge Vizard Wireless WAN | 9 10 Home VPH Settings IPBac Proposal I PEac Proposal | None | esp v esp v - select one - High ed T IPSEC Pro | 30es v 30es v Addto - v Addto - speed 2 cools posal y- Remo Encryptm algorithm 30es v 30es v | Proposal init | Life Time 0 | Sec. V Sec. V Sec. V Help |
| P-Link Ing Attack B of Appe Villard Wireless WAN | 9 10 Home VPII Sattings - 1 VP | None None Advance Advance Advance DH Group Proposal D | ESP V ESP V - select one - High ed T IPSEC Pro | Cools C | Auth algorithm None v Proposal int Setting | Life Time 0 0 | Life Time Unit Sec. W |
| PLEASE HEAVE | 9 Home VPII Settings - I PBee Proposal 1 PBee Proposal 2 3 4 | None v None v Proposal ID - Advance unnel 1 - Set em DH Group E None v None v | ESP V ESP V - select one - High ed T PSEC Pro | 30ES * 30ES * 30ES * - Addito - - Addito - | Auth algorithm None | Life Time 0 0 0 | Life Time Unit |
| P-Link 24VUP Wizard Wireless WAN LAN | 9 10 10 Home VPH Settings Pose Proposal 1 PBee Proposal 1 PBee Proposal 5 | None W None W Proposal D - Advance W Unnel 1 - Set - Immel 1 - Set - More W None W None W None W | ESP V ESP V - select one - High - Engl - Engl - Engl - Engl - Engl - Engl - Engl - Engl - Engl - Esp V - Esp V | 30ES * 30ES * 30ES * - Addito - - Addito - - Addito - <t< td=""><td>Vone Vone V</td><td>Life Time 0 0 0</td><td>Life Time Unit Sec. W Help</td></t<> | Vone V | Life Time 0 0 0 | Life Time Unit Sec. W Help |
| P-Link mg Ritards Ber Ange 24VUP Wilcard Wireless WAN LAN DHCP | 9 10 Home VPII Sattings - 1 PSec Proposal 1 PSec Proposal 2 2 3 4 5 6 6 | None None None None Proposal ID - Advance - common state - DH Group F None - None - None - None - None - None - | ESP V ESP V - select one - High ed T IPSEC Pro - Enert: rotoccol ESP V ESP V ESP V ESP V ESP V | 30ES × 30ES × 30ES × - × Addito - × <t< td=""><td>Proposal im Proposal im Capital AdGHz Wi Statu: Statu: None v None v None v None v None v</td><td>Life Time 0 0 0 0 0 0 0</td><td>Life Time Unit Unit Sec. W Sec. W Sec. W Sec. W Sec. W Sec. W Sec. W</td></t<> | Proposal im Proposal im Capital AdGHz Wi Statu: Statu: None v None v None v None v None v | Life Time 0 0 0 0 0 0 0 | Life Time Unit Unit Sec. W Sec. W Sec. W Sec. W Sec. W Sec. W Sec. W |
| VILZARD WIZARD UNIZARD WIZARD WIZARD WIZARD WIZARD UNIZARD WIZARD WIZARD | 9 10 10 10 10 10 10 10 10 10 10 10 10 10 | None None None None Proposal ID - Advance - Grand - Mone - Inne - None - | ESP V ESP V - select one- - select one- High PSEC Pro- ESP V ESP V ESP V ESP V ESP V ESP V ESP V | 30ES * 30ES * 30ES * - Addio - Addio - Addio - Addio - Addio - Addio - | Voie v Vo | Life Time 0 0 0 0 0 0 0 0 0 | Life Time Unit Sec. W Sec. W Sec. W Sec. W Sec. W Sec. W Sec. W |
| P-Link 24VUP Wizard Wireless WAN LAN DHCP | 9 10 10 Home VPH Settings Procesal PSec Proposal 1 PSec Proposal 1 PSec Procesal 1 PSec Proces | None None None None Proposal D = Advance Proposal D = Proposal D = Proposal D = None None | ESP V ESP V select one- - High T High T PSEC Pro- - ESP V | 30ES M 30ES M 30ES M - Addito - - - Addito - | None v None v None v | Life Time 0 0 0 0 0 0 0 0 0 0 0 | Life Time Unit Sec. W Help Sec. W Sec. W Sec. W Sec. W Sec. W Sec. W |
| P-Link Witzerd J dependent Witzerd Wirceles WAN LAN DHCP | 9 10 Home VPII Sattings - I IPSec Proposal I IPSec Proposal I IPSec 7 0 0 7 0 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | None None None | ESP × ESP × ESP × select one- High T High T Fibre Fibre ESP × | 3065 M 0065 V - V Addio - Speed 2 - Speed 2 0015 3065 V | Auth algorithm None v Auth algorithm None v None v | Life Time 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Life Time Unit Sac. V Help |

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

| | н | ome | Adva | anc | ed | | Tools | State | JS | Help |
|----------|--------|--------------|---------|------|---------|-------|----------------------|-------------------|--------------|-------------------|
| 24000 | VPN 9 | Settings - T | unnel 1 | - Se | at IPSE | C P | roposal | | | |
| - | | Ite | m | | | | | Setting | | |
| | IPSec | Proposal inc | dex | | Ĩ | - Eng | ity - | | | |
| Wizard | | | | | | | | | | |
| | | | | | 1 | _ | rtenk | 148 | | |
| Wireless | ID Pri | posal me | DH Gro | oup | Encap | ol | Encrypt algorithm | Auth algorithm | Life Time | Life Time Unit |
| WAN | 1 P | Sec Proposal | None | ~ | ESP | ٧ | 3DES 💌 | None 💌 | 0 | Sec. 💌 |
| | 2 | | None | ~ | ESP | ۷ | 3DES DES | None 💌 | 0 | Sec. |
| LAN | 3 | | None | ~ | ESP | ۷ | 3DES 💌 | None 💌 | 0 | Sec. |
| | 4 | | None | ~ | ESP | ۷ | 3DES 💌 | None 💌 | 0 | Sec. |
| DHCP | 5 | | None | ~ | ESP | * | 3DES 💌 | None 💌 | 0 | Sec. |
| VIDA | 6 | | None | ~ | ESP | ۷ | 3DES 🛩 | None 💌 | 0 | Sec. |
| VPN | 7 | | None | ~ | ESP | ۷ | 3DES 💌 | None 💌 | 0 | Sec. |
| | 8 | | None | ~ | ESP | ~ | 3DES 💌 | None 💌 | 0 | Sec. |
| | 9 | | None | ~ | ESP | * | 3DES 💌 | None 💌 | 0 | Sec. 💌 |
| | 10 | | None | ~ | ESP | ~ | 3DES 💌 | None V | 0 | Sec. V |

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.

| Connect to 19 | 2.168.0.1 |
|-------------------------|--|
| R | |
| DI-824VUP User name: | 😰 admin 💌 |
| Password: | <u>R</u> emember my password OK 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.

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.



| | Home | Advanced | Tools | Stat | us | Help |
|----------|------------------|------------------|-----------------|----------------|-----------|---------------|
| | PN Settings - Ti | unnel 1 - Set IK | E Proposal | | | |
| | Ite | m | | Settin | q | |
| | E Proposal index | t | - Empty - | | | |
| Vizard | | | | | | |
| | | | | temove | | |
| lireless | Proposal Name | DH Group Er | crypt algorithm | Auth algorithm | Life Time | Life Time Uni |
| | IKE Proposal | Group 1 🐱 | 3DES 💌 | SHA1 💌 | 2800 | Sec. 💌 |
| WAN | | Group 1 💌 | 3DES 💌 | SHA1 💌 | 0 | Sec. Kbyte |
| 1.00 | 3 | Group 1 💌 | 3DES 🔽 | SHA1 💌 | 0 | Sec. 💌 |
| | | Group 1 💌 | 3DES 💌 | SHA1 🛩 | 0 | Sec. 💌 |
| DHCP | 5 | Group 1 🐱 | 3DES 💌 | SHA1 💌 | 0 | Sec. 🗸 |
| | 3 | Group 1 💌 | 3DES 🐱 | SHA1 💌 | 0 | Sec. 💌 |
| VPN | | Group 1 💌 | 30ES 💌 | SHA1 💌 | 0 | Sec. 💌 |
| | 3 | Group 1 💌 | 3DES 💌 | SHA1 💌 | 0 | Sec. 💌 |
| | | Group 1 💌 | 3DES 💌 | SHA1 💌 | 0 | Sec. 💌 |
| | 0 | Group 1 👽 | 3DES 🗸 | SHA1 V | 0 | Sec. V |

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.

| | Home | Advance | ed Tools | Sta | tus | Help |
|----|------------------|---------------|-------------------|----------------|-----------|---------------|
| VI | N Settings - Tu | innel 1 - Set | IKE Proposal | | | |
| | Ite | m | | Settin | ıg | |
| IK | E Proposal index | | IKE Proposal | | | |
| | | | | Remove | | |
| | | | | | | |
| 10 | Proposal Name | DH Group | Encrypt algorithm | Auth algorithm | Life Time | Life Time Uni |
| 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 V | 0 | Sec. 🗸 |
| 10 | | Group 1 💌 | 3DES 🗸 | SHA1 V | 0 | Sec. 🗸 |
| | | | | | | |
| | | Proposal ID | · · · · · | Add to Proposa | l index | |

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.

| Building Networks for People | Air Plus | | | | | |
|--|---|--|--|--|--|--|
| 1-824V(1)D | High-Speed 2.4GHz Wireless Router | | | | | |
| 1-024VUP | VPN Settings - Tunnel 1 - Set IPSEC Proposal | | | | | |
| - Co | Item Setting | | | | | |
| | IPSec Proposal index - Empty - | | | | | |
| Wizard | Remove | | | | | |
| Wireless | Proposal Encan Encant Auto Life Life Time | | | | | |
| | ID Name DH Group protocol algorithm algorithm Time Unit | | | | | |
| WAN | 1 PSec Proposal None V ESP V 30ES V None V 0 Sec. V | | | | | |
| LAN | 3 None V ESP V 3DES None V 0 Sec. V | | | | | |
| | 4 None V ESP V 3DES V None V 0 Sec. V | | | | | |
| DRCP | 5 None ¥ ESP ¥ 30ES ¥ None ¥ 0 Sec. ¥ | | | | | |
| VPN | 6 None V ESP 30ES V None Ø Sec. V 7 None V ESP 30ES V None V 0 Sec. V | | | | | |
| | 8 None v ESP v 30ES v None v 0 Sec. v | | | | | |
| | 9 None V ESP V 3DES V None V 0 Sec. V | | | | | |
| | 10 None V ESP V 3DES V None V 0 Sec. V | | | | | |
| | | | | | | |
| D -Link | AicPlus | | | | | |
| Subling Networks for People | XTREME G+ | | | | | |
| - | High-Speed 2.4GHz Wireless Router | | | | | |
| I-824VUP | Home Advanced Tools Status Help | | | | | |
| | ven sennigs - runner 1 - Set IPSEC Proposal | | | | | |
| C. C | IPSec Proposal index IPSec Proposal | | | | | |
| Wizard | | | | | | |
| | Remove | | | | | |
| Wireless | ID Proposal DH Group Encap Encrypt Auth Life Life Time | | | | | |
| WAN | 1 IPSec Proposal None V ESP V 30ES V None V 3600 Sec. V | | | | | |
| | 2 None v ESP v 3DES v None v 0 5000 KB | | | | | |
| LAN | 3 None v ESP v 30ES v None v 0 Sec. v | | | | | |
| DHCP | 4 None ♥ ESP ♥ 30ES ♥ None ♥ 0 Sec. ♥ 5 None ♥ ESP ♥ 30ES ♥ None ♥ 0 Sec. ♥ | | | | | |
| VIII | 6 None V ESP V 30ES V None V D Sec. V | | | | | |
| VPN | 7 None V ESP V 30ES V None V 0 Sec. V | | | | | |
| | | | | | | |
| | 8 None V ESP V 3DES V None V 0 Sec. V | | | | | |
| | 8 None ESP 30ES None 0 Sec. 9 None ESP 30ES None 0 Sec. 10 10 None ESP Sec. None 0 Sec. 10 | | | | | |
| | 0 None w ESP w SEEs w None w 0 Sec. w 9 None w ESP w SEEs w None w 0 Sec. w 10 None w ESP w SEEs w None w 0 Sec. w | | | | | |
| | 0 None w 200 w None w 0 Sec. w 9 None w E00 w 200 s None 0 Sec. w 10 None w E00 w 200 s w 0 Sec. w 10 None w E00 w 200 s w 0 Sec. w Proposal Inform w Addto Proposal Inform w Sec. w | | | | | |
| D-Link | 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 | | | | | |
| D-Link Notice Network To Prope | | | | | | |
| D-Link Manage National Viol Angen | None w ESP w 2025 w None w 0 Sec. w None w ESP w 2025 w None w 0 Sec. w None w ESP w 2025 w None w 0 Sec. w Proposal ID 1 w Addto Proposal Index Proposal ID 1 w Addto Proposal Index High-Speed 2.4GHz Wireless Router | | | | | |
| D-Link Policy Reference for Proper | 0 None W 200 W None 0 Sec. W 0 None W ED W 200 W 0 Sec. W 10 None W ED W 200 W 0 Sec. W 10 None W ED W 200 W 0 Sec. W Proposal ID 1 W Addro Proposal index High-Speed 2.4GHz Wireless Router High-Speed 2.4GHz Wireless Router Home Advanced Tools Status Help | | | | | |
| D-Link average National State Program | 0 None W 200 W None 0 Sec. W 0 None W EDP XEE W None 0 Sec. W 10 None W EDP XEE W None 0 Sec. W Proposal D1 Additio Proposal mintex None None </td | | | | | |
| Delink Delink Barry Indext Is Project | 0 None U Sec. M 0 None U Sec. M 0 None U Sec. M 10 None U Sec. M Proposal 1 Addro Proposal max Fromesal 1 * Addro Proposal max High-Speed 2.4GHz Wireless Router Home Advanced Tools Status Help VPH Settings - Tomel 1 - Set UPSEC Proposal Reference Information | | | | | |
| B24VUP B200 | 0 None V SEE V SEE V SEE V See V 0 None V SEE V See V See V 10 None V SEE V See V Proposal D 1 Adeto Proposal max Figh-Speed 2.4GHz Wireless Router Home Advanced Tools Status Help VPH Settings - Tunied 1 - Set IPSEC Proposal New Setting Proposal Index | | | | | |
| D-Link Marine Jacobie Statyup | 0 None V SEE V SEE V SEE V 0 None V EV SEE V See V 10 None V V SEE V See V 10 None V V SEE V See V 10 None V V See V 11 None V V See V 12 V V See V See V 13 V V V See V 14 V V V See V | | | | | |
| B24VUP Wizard Wizard | 0 None BP XES None 0 Sec. W Proposal ID XES XES None 0 Sec. W Proposal ID XES Addite Perspectal Index Sec. W VPN Settings Tunnel 1 - Set IPSEC Proposal Help Help VPN Settings Tunnel 1 - Set IPSEC Proposal Setting Help PBee Proposal Index PSec Proposal Renov Renov PROPOSAL PSec Proposal None Life Life Time | | | | | |
| B24/VUP WIZ2rC | None w EP w XES w None w 0 Sec. W None w EP w XES w None w 0 Sec. W None w EP w XES w None w 0 Sec. W Proposal D 1 w Addb Proposal index Proposal D 1 w Addb Proposal index None w EP w XES w None w 0 Sec. W Proposal D 1 w Addb Proposal index Proposal Index Proposal D 1 w Addb Proposal index Proposal Index Proposal Index Proposal D 1 w Addb Proposal index Proposal Index Proposal D 1 w Addb Proposal index Proposal Index Proposal D 1 w Addb Proposal index Proposal Index Proposal D 1 w Addb Proposal Proposal Proposal Index Pr | | | | | |
| B24VUP Witarce | 0 None EP XCS w None w 0 Sec. w 0 None ED w XCS w None w 0 Sec. w 10 None W ED w XCS w None w 0 Sec. w 10 None W ED w XCS w None w 0 Sec. w Proposal D 1 Addto Proposal mox Sec. w None w D Sec. w Proposal D 1 Addto Proposal None w D Sec. w None w D Sec. w VPR Settings - Tornel 1 - Sett IPSEC Proposal Em Setting Help VPR Settings Help VPR Settings - Tornel 1 - Sett IPSEC Proposal Em Setting Ferrorat Lift Help VPR Settings - Tornel 1 - Sett IPSEC Proposal Remove Em Setting Lift Lift Lift Lift Lift Lift None w Setting None w Setting None w Setting None w Setting < | | | | | |
| B24VUP WIZERC WIZERC WAN | 0 None w EP w SES w None w 0 Sec. w 0 None w EP w SES w None w 0 Sec. w 10 None w EP w SES w None w 0 Sec. w Proposal D 1 Addto Proposal mox Figh-Speed 2.4GHz Wireless Router Home Advanced Tools Setting Proposal index None w None w None w Proposal index Proposal index Proposal inde | | | | | |
| B-Link Rater Index to Prove | 0 None w EP w SES w None w 0 Sec. w 0 None w EP w SES w None w 0 Sec. w 10 None w EP w SES w None w 0 Sec. w Proposal 0 1 Adtto Proposal mox 0 Sec. w Proposal 0 1 Adtto Proposal mox Sec. w Proposal 0 1 Adtto Proposal mox VPNS-Speed 2.4GHz Wireless Router Hope Hope Hope VPN Settings - Tunnel 1 - Set Proposal Berne Hope Hope VPN Settings - Tunnel 1 - Set Proposal Berne Setting Hope VPN Settings - Tunnel 1 - Set Proposal Berne Setting Hope VPN Settings - Tunnel 1 - Set Proposal Berne Setting Hope VPN Settings - Tunnel 1 - Set Proposal Berne Setting Berne VPN Settings - Tunnel 1 - Setting Setting Berne Setting VPN Settings - Tunnel 1 - Setting Proposal Berne Setting Setting VPN None w EP w EE w Setting Berne Setting 1 Proposal De org EE w EE w Mone w Sec. w< | | | | | |
| D-Link Annu Success De Verse B24VUP Wizard Wireless Wan Lan Lan | 0 None BP XXES None 0 Sec. W 0 None BP XXES None 0 Sec. W 10 None BP XXES None 0 Sec. W Proposal D I Abito Proposal index Proposal D I Abito Proposal index Proposal D Proposal D XXES None Image: Comparison of the image index Proposal D Proposal D XXES None Image index Proposal Index Proposal D XXES None Image index Proposal Index Proposal D Proposal D None Setting Proposal Index Proposal D Proposal Proposal Proposal D Proposal D Proposal | | | | | |
| B24VUP WIE2ard WIE2ard WIE2ard DHCP VPN | 0 None w EP w XES w None w 0 Sec. W 0 None w EP w XES w None w 0 Sec. W 10 None w EP w XES w None w 0 Sec. W Proposal D 1 Additio Proposal index Proposal D Additio Proposal D Additio Proposal Index Proposal Index </td | | | | | |
| B24VUP WIEBERG WIRELESS WAN LAN DICCP | 0 None EP XES None 0 Sec. M 0 None EP XES None 0 Sec. M 10 None EP XES None 0 Sec. M 10 None EP XES None 0 Sec. M 10 None EP XES None 0 Sec. M Proposal D I Abth Proposal notx Image: Abth Sec. M VProposal D I Abth Proposal notx Help VProposal D Tools Status Help VPR Settings None Status None Soc. M None Status None Soc. M Soc. M None | | | | | |
| B24VUP WIZZYC WIZZYC LAW DICP VPN | 0 None EP XEE V None 0 Sec. W 0 None EP XEE V None 0 Sec. W 10 None EP XEE V None 0 Sec. W 10 None EP XEE V None 0 Sec. W 10 None EP XEE V None 0 Sec. W Proposal D 1 Addition Proposal Intex None < | | | | | |
| B-Link Antro Internation Statute Witzard Wireless Wan Lin DHCP | None EP XEE None 0 Sec. W 8 None EP XEE None 0 Sec. W 9 None EP XEE None 0 Sec. W Proposal ID I Addio Proposal Index High-Speed 2.4GHz Wireless Router Home Advanced Tools Satus Help VPH Settings - Tunnel 1 - Set IPSEC Proposal Ercopt Recever None V PBer Proposal Index FSec Proposal Recever Sec. W None V None V 1 PSec Proposal DHO Group EF VEE None Sec. W None < | | | | | |

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.



| D-Link | VPN Router DI-804V | | | | | | | |
|---------------------------|--------------------|--------------------|----------------|----------------------|-----------------|---------|--|--|
| D-LIIIK | DEVICE | DEVICE STATUS | BASIC SETUP | ADVANCED SETTINGS | SYSTEN TOOLS | HELP | | |
| Main menu | VPN SETTI | NGS | | | | | | |
| TIME SETTINGS | Connection | Name | New VPN | | DD | | | |
| DEVICE IP SETTINGS | | | | | | | | |
| CABLE/DSL ISP SETTINGS | Enable | Connection Name | Local IPSEC I | D Remote | IPSEC ID | Command | | |
| ISP ADDITIONAL SETTINGS | | | | | | | | |
| MODEM | | | | | | | | |
| VPN SETTINGS | | | | < BACK | IEXT > | | | |
| SAVE & RESTART | | | | | | | | |
| Copyright © 2000 | | | | | | | | |

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 |
| D:\>ping 192.168.0.100 |
| Pinging 192.168.0.100 with 32 bytes of data: |
| Reply fron 192.168.0.100: bytes=32 time=10ms TIL=126 Reply fron 192.168.0.100: bytes=32 time(10ms TIL=126 Reply fron 192.168.0.100: bytes=32 time(10ms TIL=126 Reply fron 192.168.0.100: bytes=32 time(10ms TIL=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.