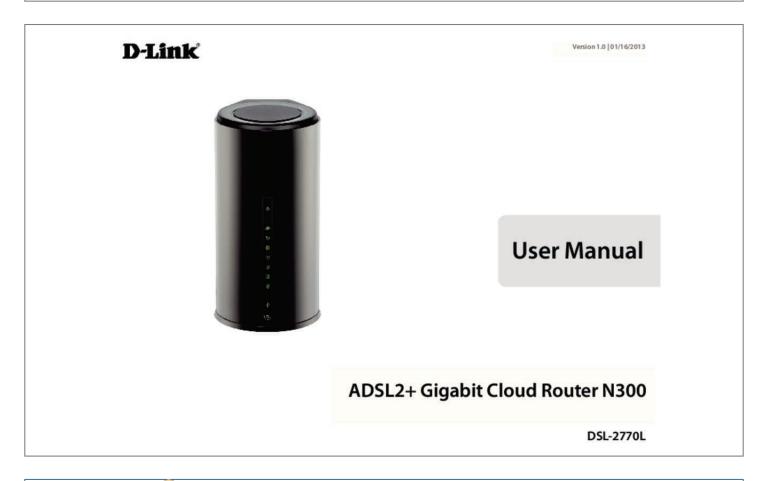# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for D-LINK DSL-2770L. You'll find the answers to all your questions on the D-LINK DSL-2770L in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

> **User manual D-LINK DSL-2770L**
> **User guide D-LINK DSL-2770L**
> **Operating instructions D-LINK DSL-2770L**
> **Instructions for use D-LINK DSL-2770L**
> **Instruction manual D-LINK DSL-2770L**

D-Link

Version 1.0 | 01/16/2013

User Manual

ADSL2+ Gigabit Cloud Router N300

DSL-2770L

Manual abstract:

Section 1 - Product Overview

Product Overview

Package Contents

DSL-2770L ADSL2+ Gigabit Cloud Router N300

Power Adapter

Ethernet Cable

Telephone Cable for connection to your DSL line

Quick Installation Guide

CD-ROM with Installation Wizard and User Manual

If any of the above items are missing, please contact your reseller. Note: Using a power supply with a different voltage rating than the one included with the DSL-2770L may cause damage and will void the warranty for this product. D-Link DSL-2770L User Manual 1 Section 1 - Product Overview System Requirements Network Requirements • A subscription with an Internet Service Provider • A computer with 802.11n, g, or b wireless or an available Ethernet port Computer with the following: • Windows®, Macintosh, or Linux-based operating system • An installed Ethernet adapter Web-based Configuration Utility Requirements Browser Requirements: • Internet Explorer 7 or higher • Firefox 3.5 or higher • Safari 4 or higher • Chrome 8 or higher Windows® Users: Make sure you have the latest version of Java installed. Visit www. java.com to download the latest version. • iPhone/iPad/iPod Touch (iOS 3.0 or higher) • Android device (1.6 or higher) • Computer with the following browser requirements: • Internet Explorer 7 or higher • Firefox 3 or higher • Safari 5 or higher • Chrome 5 or higher iPhone, iPad, and iPod touch are registered trademarks of Apple Inc. Android is a trademark of Google, Inc. mydlink Requirements D-Link DSL-2770L User Manual 2 Section 1 - Product Overview Introduction The D-Link ADSL2+ Gigabit Cloud Router N300 (DSL-2770L) comes equipped with four Gigabit ports to provide speeds up to 10x faster than standard 10/100 ports. It also uses 802.11n technology that significantly outperforms 802.11g devices. With the addition of Intelligent Quality of Service (QoS), data streams are separated which helps organize and prioritize your network traffic so your video streaming, gaming, and VoIP calls run smoother over both your wired and wireless network. The ADSL2+ Gigabit Cloud Router N300 is also mydlink-enabled, which gives you access to your home network no matter where you go. Now you can monitor and manage your home network right from your laptop, iPhone®, iPad®, or Android™ device. mydlink-enabled routers can be configured to send an email to keep you informed anywhere, anytime when new devices are connecting to your network or unwanted access is detected. Monitor in real-time websites that are being visited with recent browser history displayed on the mydlink™ Lite app – which is great for parents. SharePort Mobile technology lets you take advantage of the USB 2.0 port found on the back of your DSL-2770L. Plug in a USB storage drive and you can use the SharePort Mobile app for iOS and Android to access files, stream videos, view photos, or listen to music on your laptop or mobile devices. Plug in a printer and you can use SharePort to share access to that printer with your entire network. The DSL-2770L ADSL2+ Gigabit Cloud Router N300 provides incredible speeds, fast ports, cloud features, and terrific security features.

It also features an innovative design and easy installation options. D-Link DSL-2770L User Manual 3 Section 1 - Product Overview Features • Fast Wireless

Networking - The DSL-2770L provides up to a fullconnect to the Internet. D-Link DSL-2770L User Manual 7 Section 2 - Installation Wireless Installation Considerations The D-Link wireless router lets you access your network using a wireless connection from virtually anywhere within the operating range of your wireless network. Keep in mind, however, that the number, thickness and location of walls, ceilings, or other objects that the wireless signals must pass through, may limit the range. Typical ranges vary depending on the types of materials and background RF (radio frequency) noise in your home or business. The key to maximizing wireless range is to follow these basic guidelines: 1. Keep the number of walls and ceilings between the D-Link router and other network devices to a minimum each wall or ceiling can reduce your adapter's range from 3-90 feet (1-30 meters.) Position your devices so that the number of walls or ceilings is minimized. 2. Be aware of the direct line between network devices.

A wall that is 1.5 feet thick The Android version may differ slightly. Settings D-Link DSL-2770L User Manual 11 Section 3 - Configuration 4. Click Wi-Fi, select the Wi-Fi Network Name (SSID) that you created during setup and then enter the default Wi-Fi password located on your Wi-Fi configuration note. 5. Once connected, tap on the SharePort Mobile icon. 6. The following screen will appear. D-Link DSL-2770L User Manual 12 Section 3 - Configuration 7. Tap on the Settings icon located on the right top corner of the screen.

Tap Edit to enter your User Name and Password (the default username is admin and the password field should be left blank). Once you finish, click Done to continue. 8. For the Movie section, click the movie icon to play your movie from your USB flash drive.

9. For the Music section, click the music icon to play your music from your USB flash drive. D-Link DSL-2770L User Manual 13 Section 3 - Configuration 10. For the Photo section, click the Photo icon to view your photos from your USB flash drive. 11. For the Files section, click on the Files icon to view your files from your USB flash drive.

12. For the Folder section, click the folder icon to view your folders from your USB flash drive. D-Link DSL-2770L User Manual 14 Section 3 - Configuration Web-based Configuration Utility To access the configuration utility, open a web-browser such as Internet Explorer and enter http://dlinkrouter.local. Windows and Mac users may also connect by typing the IP address of the router (http://192.168.1.1) in the address bar. Enter your password. The password should be left blank by default.

D-Link DSL-2770L User Manual 15 Section 3 - Configuration Internet Setup From this screen, you can set up various settings related to your Internet connection. ADSL Interface Click the Setup button to see and edit your ADSL settings. Ethernet/3G WAN Click this Setup button to see and edit the WAN settings if you are using Interface a 3G USB adapter or are using port 4 as a WAN port. This allows you to use the DSL-2770L as a router for another modem or Internet connection. D-Link DSL-2770L User Manual 16 Section 3 - Configuration ADSL Interface If you clicked the Setup button for ADSL Interface, you will see the following settings.

You can click the Setup Wizard button to use a step by step wizard that guides you through configuration of your ADSL settings. See the following pages for how to use the Setup Wizard. If you are not sure what settings to use, please contact your Internet Service Provider. WAN Interface Select the WAN interface to configure, and whether to enable or disable it. My Internet Select the WAN connection type for your ISP.

Based on which connection Connection Is: type you choose, different settings will be displayed below. These settings are described on the following pages after the Setup Wizard pages. • Ethernet Over ATM(RFC1483 Bridged) with NAT • IP over ATM(RFC 1483 Routed) • PPP over Ethernet • PPP over ATM • RFC 1483 Bridged Host Name: Enter a host name to use for your connection. The settings displayed in the middle will vary depending on what you select for the My Internet Connection Is setting. See the following pages for details. Data Select VCMux or LLC based on your ISP's recommended settings. Encapsulation: Country/ISP Selecting your country and ISP provider from the dropdown boxes will Provider: automatically fill in the VPI and VCI numbers for you. VPI Number: Enter the VPI number specified by your ISP. VCI Number: Enter the VCI number specified by your ISP. Schedule type: Select UBR, CBR, VBR, or GFR based on your ISP's recommended settings.

Multicast: You can set multicast mode to Auto, IGMP v1, IGMP v2, or IGMP v3. IGMP Snooping: You can enable the IGMP snooping function by checking this box. VLAN TAG: You can enable and specify the VLAN TAG if required by your ISP. D-Link DSL-2770L User Manual 17 Section 3 - Configuration Setup Wizard This Wizard will help you set up an ADSL connection. Click Next to continue. Enter a password for your network and verify it in the box below, then click Next. Select your time zone from the drop-down menu and click Next. D-Link DSL-2770L User Manual 18 Section 3 - Configuration Select your Internet connection type from Ethernet Over ATM (RFC1483 Bridged) with NAT, IP over ATM(RFC 1483 Routed), PPP over Ethernet, PPP over ATM, and RFC 1483 Bridged. Click Next. Configure some settings for your Internet Connection.

See below for the description of each setting. Click Next when finished. Data Select VCMux or LLC based on your ISP's recommended settings. Encapsulation: Country: Select your country. ISP Provider: Select your ISP provider from the dropdown boxes will automatically fill in the VPI and VCI numbers for you.

VPI Number: Enter the VPI number specified by your ISP. VCI Number: Enter the VCI number specified by your ISP. MAC Address: Click Clone to have your computer's MAC number automatically input. Enter a SSID name for your wireless network and click Next. D-Link DSL-2770L User Manual 19 Section 3 - Configuration Select a security option for your network from WPA, WPA2, or none.

Click Next. Set a wireless security password for your network if you have selected a security option in the previous step. Click Next. The Internet connection has now been established. Click Next to register for a mydlink account or click Connect to complete the setup. D-Link DSL-2770L User Manual 20 Section 3 - Configuration Ethernet Over ATM(RFC1483 Bridged) with NAT Address Mode Select Static IP if your ISP assigned you an IP address, subnet mask, gateway, and DNS server address. In most cases, select Dynamic IP. Primary/Secondary Enter the Primary and secondary DNS server IP addresses assigned by DNS Server: your ISP. MAC Address: If your ISP requires you to enter a MAC address, fill it in here. You can click the Clone MAC button to enter your current computer's MAC address.

MTU: If you experience connection issues, you may need to change the MTU setting for optimal performance with your specific ISP. 1500 is the default MTU. Enable NAT: Check this to enable the router to use NAT to assign IP addresses for your devices. D-Link DSL-2770L User Manual 21 Section 3 - Configuration IP over ATM(RFC 1483 Routed) Address Mode Select Static IP if your ISP assigned you an IP address, subnet mask, gateway, and DNS server address. In most cases, select Dynamic IP. Primary/Secondary Enter the Primary and secondary DNS server IP addresses assigned by DNS Server: your ISP. MAC Address: If your ISP requires you to enter a MAC address, fill it in here. You can click the Clone MAC button to enter your current computer's MAC address. MTU: If you experience connection issues, you may need to change the MTU setting for optimal performance with your specific ISP. 1500 is the default MTU.

Enable NAT: Check this to enable the router to use NAT to assign IP addresses for your devices. D-Link DSL-2770L User Manual 22 Section 3 - Configuration PPP over Ethernet IPv6 Dualstack: Check this box to enable IPv6/IPv4 dualstack. Username: Enter the username for your ADSL account. Password/Verify Enter the password for your ADSL account, then type it again in the Password: Verify Password box. Service Name: You can enter a name for your service here.

IP Address: Enter the IP address assigned to you by your ISP. Primary/Secondary Enter the Primary and secondary DNS server IP addresses assigned by DNS Server: your ISP. MAC Address: If your ISP requires you to enter a MAC address, fill it in here. You can click the Clone MAC button to enter your current computer's MAC address. MTU: If you experience connection issues, you may need to change the MTU setting for optimal performance with your specific ISP.

1500 is the default MTU. Enable NAT: Check this to enable the router to use NAT to assign IP addresses for your devices. D-Link DSL-2770L User Manual 23 Section 3 - Configuration PPP over ATM Dualstack: Check this box to enable IPv6/IPv4 dualstack. PPPoA Account: Enter the username for your ADSL account. PPPoA Password/ Enter the password for your ADSL account, then type it again in the Verify PPPoA Verify PPPoA Password box. Password: Service Name: You can enter a name for your service here. IP Address: Enter the IP address assigned to you by your ISP. Primary/Secondary Enter the Primary and secondary DNS server IP addresses assigned by DNS Server: your ISP. MTU: If you experience connection issues, you may need to change the MTU setting for optimal performance with your specific ISP. 1500 is the default MTU.

Enable NAT: Check this to enable the router to use NAT to assign IP addresses for your devices. D-Link DSL-2770L User Manual 24 Section 3 - Configuration RFC1483 Bridged There are no extra settings to configure when you choose this option. See the ADSL Interface page to configure the settings below. D-Link DSL-2770L User Manual 25 Section 3 - Configuration Ethernet/3G WAN Interface If you clicked the Setup button for Ethernet/3G WAN Interface, you will see the following settings. You can click the Setup Wizard button to use a step-by-step wizard that guides you through configuration of your WAN settings. If you are not sure what settings to use, please contact your Internet Service Provider. WAN Interface: Select the WAN interface to configure, and whether to enable or disable it. My Internet Select Static IP, DHCP, PPoE, PPTP, L2TP, or 3G(through a USB adapter). Connection Is: Based on the setting you choose, the following settings will be different. Host Name: Enter a host name to use for your connection.

The settings displayed in the middle will vary depending on what you select for the My Internet Connection Is setting. See the following pages for details. Multicast: Select what multicast mode to use (Auto/IGMP v1/IGMP v2/IGMP v3), or if you want to disable it. IGMP Snooping: Check this box if you want to enable IGMP Snooping. VLAN TAG: To set a VLAN tag, check this box, then enter the VLAN TAG to use.

D-Link DSL-2770L User Manual 26 Section 3 - Configuration Static IP Only use Static IP if directed to by your Internet Service Provider. My Internet Select Static IP from the drop-down menu. Connection: IP Address: Enter the IP address assigned to you by your Internet Service Provider. Subnet Mask: Enter the subnet mask assigned to you by your Internet Service Provider. Default Enter the default gateway assigned to you by your Internet Service Gateway: Provider.

Primary/ Enter the Primary and secondary DNS server IP addresses assigned by Secondary DNS your ISP. These addresses are usually obtained automatically from your Server: ISP. Leave at 0.0.0.0 if you did not specifically receive these from your ISP. MAC Address: The default MAC Address is set to the Internet port's physical interface MAC address on the Broadband Router. It is not recommended that you change the default MAC address unless required by your ISP. You can use the Clone button to replace the Internet port's MAC address with the MAC address of your Ethernet card. @@1500 is the default MTU.

Enter the ISP Service Name (optional). Enable NAT: Check this box if you want the router to use NAT to provide IP addresses for your computers and devices. If this is disabled, your devices will need to get IP addresses from your ISP or configured individually. D-Link DSL-2770L User Manual 27 Section 3 - Configuration Dynamic IP (DHCP) If you are unsure what method you use to connect to the Internet, try this first. Cable modems usually use this type of connection My Internet Select Dynamic IP (DHCP) to obtain IP Address information Connection: automatically from your ISP. Select this option if your ISP does not give you any IP numbers to use. This option is commonly used for cable modem services. Primary/Secondary Enter the Primary and secondary DNS server IP addresses assigned by DNS Server: your ISP. These addresses are usually obtained automatically from your ISP. Leave at 0.

0.0.0 if you did not specifically receive these from your ISP. MAC Address: The default MAC Address is set to the Internet port's physical interface MAC address on the Broadband Router. It is not recommended that you change the default MAC address unless required by your ISP.

You can use the Clone button to replace the Internet port's MAC address with the MAC address of your Ethernet card. @@1500 is the default MTU. Enable NAT: Check this box if you want the router to use NAT to provide IP addresses for your computers and devices. If this is disabled, your devices will need to get IP addresses from your ISP or configured individually. D-Link DSL-2770L User Manual 28 Section 3 - Configuration PPPoE (Username/Password) Choose PPPoE (Point to Point Protocol over Ethernet) if your ISP uses a PPPoE connection.

Your ISP will provide you with a username and password. This option is typically used for DSL services. Make sure to remove your PPPoE software from your computer. The software is no longer needed and will not work through a router. My Internet Select PPPoE (Username/Password) from the drop-down menu. Connection: Username: Enter your PPPoE username. Password: Enter your PPPoE password and then retype the password in the next box. Service Name: Enter the ISP Service Name (optional). IP Address: Enter the IP address assigned to you by your Internet Service Provider. Primary/ Enter the Primary and secondary DNS server IP addresses assigned by Secondary DNS your ISP.

These addresses are usually obtained automatically from your Server: ISP. Leave at 0.0.0.0 if you did not specifically receive these from your ISP. MAC Address: The default MAC Address is set to the Internet port's physical interface MAC address on the Broadband Router. It is not recommended that you change the default MAC address unless required by your ISP. You can use the Clone button to replace the Internet port's MAC address with the MAC address of your Ethernet card. @@1492 is the default MTU. Enable NAT: Check this box if you want the router to use NAT to provide IP addresses for your computers and devices.

If this is disabled, your devices will need to get IP addresses from your ISP or configured individually. D-Link DSL-2770L User Manual 29 Section 3 - Configuration PPTP Choose PPTP (Point-to-Point-Tunneling Protocol) if your ISP uses a PPTP connection. Your ISP will provide you with a username and password. This option is typically used for DSL services. My Internet Select PPTP (Username/Password) from the drop-down menu. Connection: Address Mode: Select Static if your ISP assigned you the IP address, subnet mask, gateway, and DNS server addresses. In most cases, select Dynamic. PPTP IP Address: Enter the IP address assigned to you by your Internet Service Provider. PPTP Subnet Mask: Enter the subnet mask assigned to you by your Internet Service Provider.

PPTP Gateway IP Enter the Gateway IP Address provided by your Internet Service Provider.
Address: PPTP Server IP Enter the Server IP provided by your Internet Service Provider. Address: Username: Enter your PPTP username. Password: Enter your PPTP password and then retype the password in the next box. D-Link DSL-2770L User Manual 30 Section 3 - Configuration L2TP Choose L2TP if your ISP uses a L2TP connection. Your ISP will provide you with a username and password. This option is typically used for DSL services. My Internet Select L2TP (Username/Password) from the drop-down menu. Connection: Address Mode: Select Static if your ISP assigned you the IP address, subnet mask, gateway, and DNS server addresses. In most cases, select Dynamic. L2TP IP Address: Enter the IP address assigned to you by your Internet Service Provider.

L2TP Subnet Mask: Enter the subnet mask assigned to you by your Internet Service Provider. L2TP Gateway IP Enter the Gateway IP Address provided by your Internet Service Provider. Address: L2TP Server IP Enter the Server IP provided by your Internet Service Provider. Address: Username: Enter your L2TP username. Password: Enter your L2TP password and then retype the password in the next box. D-Link DSL-2770L User Manual 31 Section 3 - Configuration 3G These settings allow you to configure the router to share a mobile Internet connection from a connected 3G USB adapter. Dial-Up Profile: Select whether to try and auto-detect your 3G settings, or to manually set them up. You can click the Auto-Detection button to try and autodetect your current settings. Country/ If you selected Manual for Dial-Up Profile, you can enter your Country, Telecom/3G Telecom, and 3G Network to automatically fill in some of the settings Network: for you. Prefer Service Type: Select whether to use 3G Only Mode, 2G Only Mode, or use Auto Mode to automatically switch between the two.
Username: Enter the username for your account (optional). Password: Enter the password for your account (optional). Dialed Number: Enter the dial number as given to you by your Internet Service Provider. Authentication: If you selected Manual for Dial-Up Profile, you can set your authentication to Auto, PAP, or CHAP authentication. APN: If you selected Manual for Dial-Up Profile, enter your APN here.
PIN Code: If you selected Manual for Dial-Up Profile, enter your PIN code here. Primary/Secondary Enter the Primary and secondary DNS server IP addresses assigned by DNS Server: your ISP. These addresses are usually obtained automatically from your ISP. Leave at 0.0.
0.0 if you did not specifically receive these from your ISP. Keep Alive: You can select whether you want to use a keep alive method to keep your connection active. D-Link DSL-2770L User Manual 32 Section 3 - Configuration If you select Use Ping, enter the ping interval and address to ping. If you select Use LCP Echo Request, enter the lcp echo interval and lcp failure limit. Ping Test: Checking this box will enable ping testing, and you can set the ping interval, address, and packet size using the corresponding text boxes. Enable NAT: Check this box if you want the router to use NAT to provide IP addresses for your computers and devices. If this is disabled, your devices will need to get IP addresses from your ISP or configured individually. Country/ISP You can select your country and Internet Service Provider to Provider: automatically fill in the necessary Multicast and IGMP Snooping settings. D-Link DSL-2770L User Manual 33 Section 3 - Configuration Wireless Settings If you want to configure the wireless settings on your router using a guided wizard, click Wireless Connection Setup Wizard.

Click Wi-Fi Protected Setup if you want to add a wireless device using Wi-Fi Protected Setup (WPS). If you want to manually configure the wireless settings on your router, click Manual Wireless Connection Setup and refer to the next page. D-Link DSL-2770L User Manual 34 Section 3 - Configuration Wireless Connection Setup Wizard The Wireless Connection Setup Wizard is designed to guide you through a step-by-step process to configure your wireless network. Type your desired wireless network name (SSID), then click Next. Choose what level of wireless security you want to use. It is highly recommended that you select BEST. Click Next to continue. Based on the level of wireless security you chose, you will need to enter a password for your wireless network. Click Next to continue. Wireless setup is now complete.
Click Save to save your settings and complete the setup process. D-Link DSL-2770L User Manual 35 Section 3 - Configuration Wi-Fi Protected Setup If you clicked on the Wi-Fi Protected Setup button on the Wireless Setup page, you will see this screen. The Wi-Fi Protected Setup page allows you to create a wireless connection between your router and a device automatically by simply pushing a button or entering a PIN code. You can also use Windows 7 to do initial configuration of your router by using the Connect to a network wizard in Windows, and entering the WPS PIN/AP PIN of the router when prompted. After modifying any settings, click Save Settings to save your changes.
WPS: Select whether you would like to enable or disable WPS features. AP PIN (also known If you use Windows 7's Connect to a network wizard to do initial as WPS PIN): configuration of the router, you will need to enter the WPS PIN/AP PIN into the wizard when prompted. The factory default WPS PIN/AP PIN is printed on a label located on the bottom of the router. You can click the Generate New PIN button to change it to a randomly generated PIN. Config Mode: Select whether the WPS config mode should be set to Registrar or Enrollee.
In most cases, this should be set to Registrar so that you can use WPS to connect new wireless clients. Config Status: If this is set to CONFIGURED, the router will be marked as "already configured" to computers that try to use WPS configuration, such as Windows 7's Connect to a network wizard. You can click the Release button to change the status to UNCONFIGURED to allow for WPS configuration of the router. Config Method: If this is set to UNCONFIGURED, you can click the Set button to change the status to CONFIGURED to block WPS configuration of the router. WPS Status: This lets you choose whether to use the Push Button connection method (PBC) or PIN method to connect to a wireless client when the Trigger button is clicked. If you choose the PIN method, you will need to enter an 8-digit PIN number that the wireless client need to use to connect to your router. This will show the current WPS connection process status. Click the Trigger button to initiate a WPS connection. D-Link DSL-2770L User Manual 36 Section 3 - Configuration Manual Wireless Settings If you clicked Manual Wireless Network Setup on the Wireless Settings page, you will see this screen. Here, you can configure the wireless network settings of your router.

After making your changes, click the Save Settings button.

Enable Check the box to enable the wireless function. If you do not want to use Wireless: wireless, uncheck the box to disable all the wireless functions. Wireless Service Set Identifier (SSID) is the name of your wireless network. Create Network a name for your wireless network using up to 32 characters. The SSID Name (SSID): is case-sensitive. Auto Channel The Auto Channel Scan setting can be selected to allow the DSL-2770L Scan: to choose the channel with the least amount of interference. Wireless Indicates the channel setting for the DSL-2770L. By default the channel Channel: is set to 6. The Channel can be changed to fit the channel setting for an existing wireless network or to customize the wireless network.

If you enable Auto Channel Scan, this option will be greyed out. 802.11 Mode: Select one of the following: • B/G Mixed - Select if you are using both 802.11g and 802.11b wireless clients.

• N Only - Select only if all of your wireless clients are 802.11n. • B/G/N Mixed - Select if you are using a mix of 802.11n, 802.11g, and 802. 11b wireless clients. Transmission Select a transmission rate to use. It is recommended that you leave this Rate: at the default setting of Best. Visibility Select Invisible if you do not want the SSID of your wireless network to Status: be broadcasted by the DSL-2770L. If Invisible is selected, the SSID of the DSL-2770L will not be seen by Site Survey utilities so your wireless clients will have to know the SSID of your DSL-2770L in order to connect to it. AP Isolation: Enabling AP Isolation prevents wireless clients from being able to communicate with one another. This can be useful when providing an Internet connection for many wireless clients, but keeping their traffic and devices private from other users. D-Link DSL-2770L User Manual 37 Section 3 - Configuration Wireless Here, you can select between None, WEP, WPA-Personal, and WPASecurity Enterprise. Refer to the following pages for details on configuring the Mode: different security modes. Please note that using WEP encryption will limit wireless use to 802.

11g/b only, as it is incompatible with 802.11n. If you select WEP as your Security Mode: Authentication: Choose what Authentication type to use. WEP Encryption: Select an encryption level and key length to use. This will also set the type and length of the key you will need to enter. Default WEP Select which WEP key should be used as default. Key: WEP Key: Enter the password(key) for your wireless network. You can use the dropdown box to choose whether you want to create a password using HEX or ASCII characters. It will need to match the requirements for the WEP Key Length as shown. If you select WPA-Personal as your Security Mode: WPA Mode: Select whether to use WPA, WPA2, or both WPA and WPA2 for your wireless network.

. Cipher Type: Choose whether to use TKIP, AES, or both TKIP and AES ciphers for your wireless network. Group Key You can set the Group Key Update Interval here, if necessary. Update Interval: Pre-Shared Enter the password(key) for your wireless network. Key: D-Link DSL-2770L User Manual 38 Section 3 - Configuration If you select WPA-Enterprise as your Security Mode: WPA Mode: Select whether to use WPA, WPA2, or both WPA and WPA2 for your wireless network.

Cipher Type: Choose whether to use TKIP, AES, or both TKIP and AES ciphers for your wireless network. Group Key You can set the Group Key Update Interval here, if necessary. Update Interval: Authentication Enter the authentication timeout in seconds. TImeout: RADIUS Server Enter your RADIUS server IP address. IP Address: RADIUS Server Enter your RADIUS server port.

Port: RADIUS Server Enter your RADIUS server shared secret. Shared Secret: D-Link DSL-2770L User Manual 39 Section 3 - Configuration LAN Setup This section will allow you to change the local network settings of the router and to configure the DHCP settings. Router Settings This section will allow you to configure the router settings. Router IP Address: Enter the IP address of the router. The default IP address is 192.168.1.1. If you change the IP address, once you click Save Settings, you will need to enter the new IP address in your browser to get back into the configuration utility. Subnet Mask: Enter the Subnet Mask.

The default subnet mask is 255.255.255.0. D-Link DSL-2770L User Manual 40 Section 3 - Configuration DHCP Server Settings (Optional) DHCP stands for Dynamic Host Control Protocol. The DSL-2770L has a built-in DHCP server. The DHCP Server will automatically assign an IP address to the computers on the LAN/private network. Be sure to set your computers to be DHCP clients by setting their TCP/IP settings to "Obtain an IP Address Automatically." When you turn your computers on, they will automatically load the proper TCP/IP settings provided by the DSL-2770L. The DHCP Server will automatically allocate an unused IP address from the IP address pool to the requesting computer.

You must specify the starting and ending address of the IP address pool. Enable DHCP Check this box to enable the DHCP server on your router. Uncheck to Server: disable this function. DHCP IP Address Enter the starting and ending IP addresses for the DHCP server's IP Range: assignment. Note: If you statically (manually) assign IP addresses to your computers or devices, make sure the IP addresses are outside of this range or you may have an IP conflict. DHCP Lease Time: The length of time for the IP address lease. Enter the Lease time in minutes. DHCP Relay: Check the box to allow the DSL-2770L to act as a DHCP relay. DHCP Server IP If DHCP Relay is enabled, enter the IP address of the DHCP server to relay. Address: D-Link DSL-2770L User Manual 41 Section 3 - Configuration Add DHCP Reservation If you want a computer or device to always have the same IP address assigned, you can create a DHCP reservation.

The router will assign the IP address only to that computer or device. Note: This IP address must be within the DHCP IP Address Range. DHCP Displays any reservation entries. Displays the host name (name of your Reservations List: computer or device), MAC Address, and IP address. Click Add to create a new DHCP reservation. Select an existing reservation and click Edit to change its settings, or click Delete to remove the reservation. Enable: After clicking Add or Edit, the following settings are available: IP Address: Enter the IP address you want to assign to the computer or device. This IP Address must be within the DHCP IP Address Range. MAC Address: Enter the MAC address of the computer or device. If you want to assign an IP address to the computer you are currently on, click the Clone button to automatically fill in the MAC address.

Dynamic DHCP Displays a list of clients currently using dynamic DHCP and their names, Clients: MAC addresses, IP addresses, and reservation time remaining. D-Link DSL-2770L User Manual 42 Section 3 - Configuration Time and Date The Time Configuration option allows you to configure, update, and maintain the correct time on the internal system clock.

From this section you can set the time zone that you are in and set the Time Server. Daylight Saving can also be configured to automatically adjust the time when needed. Automatically When enabled, the router will automatically update its time by using synchronize with an Internet time server. Alternatively, you can disable this option and Internet time manually set the time. server: NTP Server Used: Enter the IP address of a NTP server or select one from the drop-down menu. Current Router Displays the current date and time of the router. Time: Time Zone: Select your Time Zone from the drop-down menu. Enable Daylight To select Daylight Saving time manually, select enabled or disabled, and Saving: enter a start date and an end date for daylight saving time. Date and Time: If Automatically synchronize with Internet time server is disabled, You can manually input the time. Enter the values in these fields for the Year, Month, Day, Hour, Minute, and Second and then click Set Time. You can also click Copy Your Computer's Time Settings to sync the date and time with the computer you are currently on. D-Link DSL-2770L User Manual 43 Section 3 - Configuration IPv6 On this page, you can configure the IPv6 Connection type and settings. IPv6: Enable or disable IPv6 for your router.

IPv6 Connection: If you wish to use IPv6, choose your IPv6 connection type: • Static IPv6 • DHCPv6 • PPPoE • 6 to 4 • IPv6 in IPv4 Tunnel • PPPoA Based on the connection type you choose, the following settings will change. Refer to the following pages for more details. D-Link DSL-2770L User Manual 44 Section 3 - Configuration Static IPv6 IPv6 Address: Enter the address settings supplied by your Internet provider (ISP). Subnet Prefix Enter a subnet prefix length. Length: Default Gateway: Enter the default gateway for your IPv6 connection.

Primary/ Enter the primary and secondary DNS server addresses. Secondary DNS Address: LAN IPv6 Address: Enter the LAN (local) IPv6 address for the router. LAN Link-Local Displays the router's LAN Link-Local Address. @@@@Router Enter the IPv6 Address Lifetime (in minutes). Advertisement Lifetime: D-Link DSL-2770L User Manual 45 Section 3 - Configuration DHCPv6 Primary/Secondary Enter the primary and secondary DNS server addresses. DNS Address: LAN IPv6 Address: Enter the LAN (local) IPv6 address for the router. LAN Link-Local Displays the router's LAN Link-Local Address. @@@@Router Enter the IPv6 Address Lifetime (in minutes). Advertisement Lifetime:Link-Local Address: D-Link DSL-2770L User Manual 46 Section 3 - Configuration PPPoE Username: Enter your PPPoE user name. Password: Enter your PPPoE password.

Service Name: Enter the ISP Service Name. @@1492 is the default MTU. LAN IPv6 Address: Enter the LAN (local) IPv6 address for the router. LAN Link-Local Displays the router's LAN Link-Local Address. @@@@Router Enter the IPv6 Address Lifetime (in minutes). Advertisement Lifetime:Link-Local Address: D-Link DSL-2770L User Manual 47 Section 3 - Configuration 6 to 4 6 to 4 Address: Your 6 to 4 address will be shown here. Primary/Secondary Enter the primary and secondary DNS server addresses. DNS Address: LAN IPv6 Address: Enter the LAN (local) IPv6 address for the router. LAN Link-Local Displays the router's LAN Link-Local Address. @@@@Router Enter the IPv6 Address Lifetime (in minutes).

Advertisement Lifetime:Link-Local Address: D-Link DSL-2770L User Manual 48 Section 3 - Configuration IPv6 in IPv4 Tunneling Remote IPv4 Enter the IPv4 remote address you will use. Address: Local IPv4 Address: Enter the IPv4 local address you will use. Local IPv6 Address: Enter the IPv6 local address you will use. Primary/Secondary Enter the primary and secondary DNS server addresses. DNS Address: LAN IPv6 Address: Enter the LAN (local) IPv6 address for the router.

LAN Link-Local Displays the router's LAN Link-Local Address. @@@@Router Enter the IPv6 Address Lifetime (in minutes). Advertisement Lifetime: D-Link DSL-2770L User Manual 49 Section 3 - Configuration PPPoA Username: Enter your PPPoA user name. Password: Enter your PPPoA password. Service Name: Enter the ISP Service Name.

@@1492 is the default MTU. LAN IPv6 Address: Enter the LAN (local) IPv6 address for the router. LAN Link-Local Displays the router's LAN Link-Local Address. @@@@Router Enter the IPv6 Address Lifetime (in minutes). @@@@@@@@@@@@@@@The drive will be formatted using the EXT3 file system. @@Check This This will check the drive for errors. @@Disk Total This shows the full capacity of the USB storage drive. @@@@@@WorkGroup: Enter the network workgroup to join for the USB drive. @@FTP Port: Set the port you want to use for the FTP server. FTP Max Set the maximum allowable connections per IP.

@@Client Support Select whether to support Unicode. @@@@@@@@@@Service Name: Enter a name to identify your iTunes server. Service Port: Enter which port to use for the service. @@@@If you select FTP, you will see these settings. Job Name: Enter a name to identify the download job. @@Save To: Enter the path you want to save the file to. @@@@@Download Type: If you select HTTP, you will see these settings. Job Name: Enter a name to identify the download job. @@Save To: Enter the path you want to save the file to. @@D-Link DSL-2770L User Manual 56 Section 3 - Configuration Clicking the E-mail Alert Configuration button shows these settings: HTTP/FTP Select whether you want to enable e-mail alerts when a file is transferred download alert: over HTTP/FTP.

SMTP Server Enter the SMTP address of the e-mail account you want to send Address: notifications from. SMTP Server Port: Enter the SMTP port of the e-mail account you want to send notifications from. SMTP UserName/ Enter the username and password for the e-mail account you want to Password: send notifications from. Email Address: Enter the e-mail address you want your notifications to be sent to. Email Subject: Enter the subject to use for your e-mail notifications.

D-Link DSL-2770L User Manual 57 Section 3 - Configuration Download Status If you click Download Status on the NAS page, these settings will appear. Here you can view and manage the download tasks of the DSL-2770L. After selecting a task, you can click Pause/Resume to pause and resume a download, or you can click Start Now to start the download task. D-Link DSL-2770L User Manual 58 Section 3 - Configuration Web HDD If you click Web HDD on the NAS page, you can see the folders and files stored on your USB drive. Click on a folder to open it, or click the Back button to up a directory.

Click Upload to upload a file to the current folder, or click a file to select it, then click Download to download the file to your computer, or click Delete to delete it from the storage drive. Click the Add Folder button and enter a folder name to create a new folder in the current folder. D-Link DSL-2770L User Manual 59 Section 3 - Configuration SharePort Mobile This page will allow you to set up access to files on an external USB storage drive1 that is plugged into the router.

You can do this through local network or from the Internet using either a web browser or an app on your smartphone or tablet. You can create users that can be allowed access to these files through SharePort Mobile services accessible through a web UI or on mobile devices using the SharePort Mobile app available for iOS and Android. Enable SharePort Check this box if you wish to be able to access SharePort through a Web Access browser as well as the mobile app. HTTP Access Port: Enter the port you want to use when accessing SharePort using a web browser. Allow Remote Check this box if you wish to be able to access SharePort through a web Access: browser over the Internet. User Creation: To give a new user access to your SharePort storage, enter a User Name and Password here. You can Add new users or choose existing users from the drop-down menu if you wish to Edit or Delete them.

Note: The Admin password is the same as the admin password for the router. The Guest password is guest and cannot be changed. User List: This list displays all of the users with access to the SharePort Mobile content, what they can access, and their Read/Write Permissions. Click on the edit icon at the right to change home folder and access rights for the user. Number of Devices: All devices you have set up for SharePort access will be listed here. SharePort Web This area will display the links to connect to your SharePort drive Access Link: through a web browser from a device on your network. 1 Supports capacities of up to 1 TB for USB storage drives. D-Link DSL-2770L User Manual 60 Section 3 - Configuration mydlink Settings Devices that are mydlink-enabled can be accessed and managed through the mydlink website and by using mydlink mobile apps for iOS and Android. You cannot take advantage of these features without a mydlink account. @@@@@@Service Ports: Enter the external port(s) that you want to forward.
@@You can enter a single port or a range of ports. Separate ports with a common. Example: 24,1009,3000-4000 Enable: Check this box to enable the rule.
@@You can create a new schedule by clicking the Add New Rule..
. button, or you can leave it blank to allow the rule to be always on. @@@@@@@@Trigger: This is the port used to trigger the application. It can be either a single port or a range of ports. @@You may define a single port or a range of ports.
You can use a comma to add multiple ports or port ranges. @@By default the QoS Engine settings are disabled and application priority is not classified automatically. QoS: This option is disabled by default. Enable this option for better performance and experience with online games and other interactive applications, such as VoIP. WAN Interface: Select which WAN interface to adjust the QoS settings for. Bandwidth of Enter the upstream bandwidth for your Internet connection. Upstream: Bandwidth of Enter the downstream bandwidth for your Internet Connection Downstream: WMM(Wi-Fi Select whether you wish to enable the WMM feature, then click the Multimedia) Apply WMM Settings button. Wireless QoS: Click on this button to add a Wireless QoS rule. LAN QoS: Click on this button to add a LAN QoS rule. QoS Rules Table: This shows a list of your current QoS rules.

You can check or uncheck a rule to enable or disable it, or you can click on the X next to the rule to delete it. D-Link DSL-2770L User Manual 64 Section 3 - Configuration If you clicked on Wireless QoS or LAN QoS, you will see these settings. If you want to create a compound rule(for TCPPORT, UDPPORT, or TOS only), click the Add A Conjunction (AND) Rule button. Rule: Check the box if you want the rule to be enabled. Class/Class Info: Select what criteria the rule should apply to, and enter the relevant criteria in the Class Info text box. •IP: IP address •TCPPORT: TCP port •UDPPORT: UDP port •MAC: MAC address •DSCP: DSCP name •TOS: Type of service Function/Function Based on the Class selected, enter what you want the rule to apply to data: and enter the relevant information in the Function data text box. For example, for TCPPORT, you should enter the TCP port the rule should apply to. •PRI: Set priority level •MAXR: Set maximum bandwidth rate •MINR: Set minimum bandwidth rate •SESSION: Set connection session •DROP: Drop the packet •LOG: Log the event •ALERT: Create an alert event Direction: Set which traffic direction the rule should apply to. D-Link DSL-2770L User Manual 65 Section 3 - Configuration Outbound Filters The Outbound Filter option is an advanced method of controlling data sent out to the Internet. With this feature you can configure outbound data filtering rules that control data based on an IP address range.
Select whether to Allow all traffic specified by your rules to pass, or to Deny all traffic specified by your rules. Source IP:Ports: Enter the starting IP address and ports from your network. Enter 0.0.0.
0 if you do not want to specify an IP range. Destination Enter the ending IP address and ports outside your network. Enter IP:Ports: 255.255.255.
255 if you do not want to specify and IP range. Enable: Check this box to enable the rule. @@You can create a new schedule by clicking the Add New Rule...
button, or you can leave it blank to allow the rule to be always on. For more details on creating schedule rules, refer to "Schedules" on page 85 D-Link DSL-2770L User Manual 66 Section 3 - Configuration Inbound Filters The Inbound Filter option is an advanced method of controlling data received from the Internet. With this feature you can configure inbound data filtering rules that control data based on an IP address range. Select whether to Allow all traffic specified by your rules to pass, or to Deny all traffic specified by your rules. Source IP:Ports: Enter the starting IP address and ports from outside your network.

Enter 0.0.0.0 if you do not want to specify an IP range. Destination Enter the ending IP address and ports inside your network. Enter IP:Ports: 255.255.255.255 if you do not want to specify and IP range. Enable: Check this box to enable the rule.
@@You can create a new schedule by clicking the Add New Rule... button, or you can leave it blank to allow the rule to be always on. For more details on creating schedule rules, refer to "Schedules" on page 85 D-Link DSL-2770L User Manual 67 Section 3 - Configuration Wireless Filter The Wireless Filter feature allows you to limit wireless access to your network based on a device's MAC address.
Enable Wireless Check this box to enable wireless filtering by MAC address. Select Mac Filtering: whether to Allow access to all computers specified, or to Deny access to all computers specified. Filter Name: Enter a name for the filter rule. Wireless MAC Enter the MAC address of the wireless device you want to filter. Address: Click the Add/Apply button to save your changes and apply your settings.
D-Link DSL-2770L User Manual 68 Section 3 - Configuration DNS Setup The DDNS feature allows you to host a server (Web, FTP, or Game Server) using a domain name that you have purchased (such as www.

exampledomain.com) with your dynamically assigned IP address. You can use one of the listed DDNS service, or you can sign up for D-Link's free DDNS service at www.dlinkddns.com. After modifying any settings, click Save Settings to save your changes. DDNS: Tick this checkbox to enable the DDNS feature. Provider: Select a DDNS service provider to use. Host Name: Enter the Host Name that you registered with your DDNS service provider.

Username / E-mail: Enter the Username for your DDNS account. Password / Key: Enter the Password for your DDNS account. D-Link DSL-2770L User Manual 69 Section 3 - Configuration Firewall & DMZ A firewall protects your network from the outside world. The DSL-2770L offers a firewall type functionality. The SPI feature helps prevent cyber attacks. Sometimes you may want a computer exposed to the outside world for certain types of applications. If you choose to expose a computer, you can enable DMZ. DMZ is short for Demilitarized Zone. This option will expose the chosen computer completely to the outside world. Enable SPI: SPI (Stateful Packet Inspection, also known as dynamic packet filtering) helps to prevent cyber attacks by tracking more state per session.

It validates that the traffic passing through the session conforms to the protocol. Enable DMZ: If an application has trouble working from behind the router, you can expose one computer to the Internet and run the application on that computer. Note: Placing a computer in the DMZ may expose that computer to a variety of security risks. Use of this option is only recommended as a last resort. DMZ IP Address: Specify the IP address of the computer on the LAN that you want to have unrestricted Internet communication.

If this computer obtains it's IP address automatically using DHCP, be sure to make a static reservation on the Setup > Network Settings page so that the IP address of the DMZ machine does not change. D-Link DSL-2770L User Manual 70 Section 3 - Configuration Advanced Internet This screen lets you add or remove PVC settings and select your ADSL mode. It is recommended that you only change settings on this page as directed by your service provider. Multiple PVC This shows you your current PVC settings. You can click the Add button Settings: to add a new PVC setting, click the Edit button for a PVC setting to edit it, or tick the checkbox next to a setting and click Delete to remove it.

Advanced ADSL Select which ADSL mode to use. Settings: D-Link DSL-2770L User Manual 71 Section 3 - Configuration Advanced Wireless This page allows you to change some of the advanced wireless settings of the DSL-2770L. It is recommended that you only change these settings if you are familiar with their functions and proper settings, or are instructed to do so. Beacon Interval: Specify a value for the beacon interval. Beacons are packets sent by an Access Point to synchronize a wireless network. 100 is the default setting and is recommended. Transmit Power: Set the transmit power of the antennas. RTS Threshold: This value should remain at its default setting of 2347. If inconsistent data flow is a problem, only a minor modification should be made. Fragmentation: The fragmentation threshold, which is specified in bytes, determines whether packets will be fragmented.

Packets exceeding the 2346 byte setting will be fragmented before transmission. 2346 is the default setting. DTIM Interval: Set the interval for DTIM. A Delivery Traffic Indication Message (DTIM) is a countdown informing clients of the next window for listening to broadcast and multicast messages. The default interval is 3. WMM Capable: WMM (Wi-Fi Multimedia) is a QoS (Quality of Service) system for your wireless network. Enable this option to improve the quality of video and voice applications for your wireless clients. TX Rates: Select the basic transfer rates based on the speed of wireless adapters on your wireless network. It is strongly recommended to keep this setting to Auto. Guest Wireless Here, you can set up a Wireless Guest Network, which will provide access Settings: to the Internet, but not to your network devices.

To use this feature, tick the Enable Wireless Guest Network checkbox. For more details, refer to "Wireless Settings" on page 34. D-Link DSL-2770L User Manual 72 Section 3 - Configuration Advanced LAN Advanced LAN contains settings which can change the way the router handles certain types of traffic. We recommend that you do not change any of these settings unless you are already familiar with them or have been instructed to make the change by one of our support personnel. After modifying any settings, click Save Settings to save your changes.

Enable UPnP: Tick this checkbox to use the Universal Plug and Play (UPnP™) feature. UPNP provides compatibility with various networking equipment, software, and peripherals. Enable WAN Ping Select the box to allow the WAN port to be "pinged." Blocking WAN Respond: pings may provide some extra security from hackers. D-Link DSL-2770L User Manual 73 Section 3 - Configuration Port Mapping This page allows you to configure port mapping settings for both the Ethernet ports and wireless APs.

LAN VLAN Settings: Enter the VID you want to use for each Ethernet port, as well as whether you want to apply Tx tagging for the port. Wireless LAN VLAN Enter the VID you want to use for each wireless AP, as well as whether Settings-AP: you want to apply Tx tagging for the port. WAN VLAN Click this button to configure settings for each VID. Settings: If you click on the WAN VLAN Settings button, these settings will appear: VID: Enter the VID you want to edit. Routing Type: Select what routing type to use, NAT or Bridge. DHCP Setting: If you select NAT, this will be DHCP by default. WAN Type: If you select Bridge, select which WAN to use. WAN Map VLAN ID: If you select Bridge, enter the VLAN ID to use. D-Link DSL-2770L User Manual 74 Section 3 - Configuration SNMP Setup This page allows you to configure the SNMP settings for remote management of this device. SNMP Local: Set whether you want to enable local SNMP access for the router.

SNMP Remote: Set whether you want to enable remote SNMP access for the router. Get Community: Enter the community that the router will respond to for GetRequests. Set Community: Enter the community that the router will accept for SetRequests. IP 1/2/3/4: Enter the IP addresses of the PCs you will use for SNMP management. SNMP Version: Enter the SNMP version to use. WAN Access IP If you want to limit SNMP access to a specific PC/IP address only, enter Address: the IP address here. By default, this is set to 0.0.0.0 and allows any computer to have SNMP access.

D-Link DSL-2770L User Manual 75 Section 3 - Configuration Remote Management This page allows you to configure the remote management settings of this device. Enable Remote Tick this box to enable remote management. This will allow you to Management: access the web configuration interface remotely through the Internet. This may require you to know your IP address or set up DDNS.

IP Allowed to Enter the IP address you want to allow remote access from.

By default, Access: this is set to 0.0.0.0, which will allow access any computer on the Internet. Port: Set which port you want to use for remote access.

D-Link DSL-2770L User Manual 76 Section 3 - Configuration Routing The Routing page allows you to specify custom routes that determine how data is moved around your network. After modifying any settings, click Save Settings to save your changes. RIP: Select this box to enable routing, then select which routing protocol to use: • RIPv1: Protocol in which the IP address is routed through the internet. • RIPv2: Enhanced version of RIPv1 with added features such as Authentication, Routing Domain, Next Hop Forwarding, and Subnet-mask Exchange. ID: This identifies the rule. Destination: Enter in the IP of the specified network that you want to access using the static route. Subnet Mask: Enter in the subnet mask to be used for the specified network. Gateway: Enter in the gateway IP address for the specified network. Hop: Enter in the amount of hops it will take to reach the specified network. Note: In a transmission path, each link is terminated at a network device such as a router or gateway.

The number of hops equals the number of routers or gateways that data must pass through before reaching the destination. Enable: Select this box to enable the rule. D-Link DSL-2770L User Manual 77 Section 3 - Configuration IPv6 Firewall This page lets you adjust the IPv6 firewall settings to control IPv6 traffic allowed in and out of your network. After modifying any settings, click Save Settings to save your changes. Configure IPv6 Select whether to Filtering Below: • Turn IPv6 Filtering OFF • Turn IPv6 Filtering ON and ALLOW computers listed to access the network (all computers not specified will be denied access) • Turn IPv6 Filtering ON and DENY computers listed to access the network (all computers not specified will be allowed access) For each rule, tick the checkbox on the left to enable the rule. Name: Enter a name for the rule. Schedule: Select whether to have the rule active Always, Never, or according to a schedule you have created. For more about creating schedules, refer to page 85. Source: Enter the starting IP address of the traffic you want to filter. Dest: Enter the ending IP address of the traffic you want to filter.

Protocol: Enter which protocol you want to filter. Port Range: Enter the port range of the traffic you want to filter. D-Link DSL-2770L User Manual 78 Section 3 - Configuration Budget Quota This page lets you set quotas for how much traffic is allowed to pass through the network. This may be useful to control usage if there is a bandwidth cap in place. Enable Limitation Tick this box to enable quotas.

Quota: Select Interface: Select which interface to apply the budget quota to. Limit Time(Days): Enter the period of time to apply the budget quota to. After the time limit has passed, the quota will reset. Enable Download Tick this box to enable download quotas. Quota: Download Quota: Set the maximum allowed download amount in megabytes for the period of time specified in Limit Time.

Enable Upload Tick this box to enable upload quotas. Quota: Upload Quota: Set the maximum allowed upload amount in megabytes for the period of time specified in Limit Time. Traffic Information: This shows your current received and transmitted traffic totals so far. You can click the Refresh button to update the totals. Please note that the totals update every three minutes. D-Link DSL-2770L User Manual 79 Section 3 - Configuration Tools Password This page will allow you to change the password used to log in to the web configuration interface. Current/ To change the password, enter the current password, then the new New/Confirm password you want to use, then enter it again to confirm it, then click Password: Apply Settings to save your changes. Session Idle Set the idle time in seconds that are allowed before the web Time Out: configuration interface automatically logs out the user. Enable Enables a challenge-response test to require users to type letters or CAPTCHA: numbers from a distorted image displayed on the screen to prevent online hackers and unauthorized users from gaining access to your router's network settings. D-Link DSL-2770L User Manual 80 Section 3 - Configuration Save/Restore Settings This section allows you to manage the router's configuration settings, reboot the router, and restore the router to the factory default settings.

Restoring the unit to the factory default settings will erase all settings, including any rules that you've created. Save Settings to Use this option to save the current router configuration settings to a Local Hard Drive: file on the hard disk of the computer you are using. First, click the Save button. A file dialog will appear, allowing you to select a location and file name for the settings. Load Settings Use this option to load previously saved router configuration from Local Hard settings. First, use the Browse option to find a previously saved file of Drive: configuration settings. Then, click the Load button to transfer those settings to the router. Restore to This option will restore all configuration settings back to the settings Factory Default that were in effect at the time the router was shipped from the factory. Settings: Any settings that have not been saved will be lost, including any rules that you have created. If you want to save the current router configuration settings, use the Save button above.

D-Link DSL-2770L User Manual 81 Section 3 - Configuration Firmware Update You can upgrade the firmware of the access point here. Make sure the firmware you want to use is on the local hard drive of the computer. Please check the D-Link support website for firmware updates at http://support.dlink.com.

You can download firmware upgrades to your hard drive from this site. Upload: After you have downloaded the new firmware, click Browse... to locate the firmware update on your hard drive.

Click Upload to complete the firmware upgrade. Accept Unofficial Tick this box to allow unofficial firmware to be loaded onto the device. Firmware: Please note that this is not recommended, and any damage caused by an unofficial firmware may invalidate your product warranty. D-Link DSL-2770L User Manual 82 Section 3 - Configuration Ping Test Ping Test: The Ping Test is used to send Ping packets to test if a computer is on the Internet. Enter the IP address that you wish to Ping and click Ping. Ping Results: The results of your ping attempts will be displayed here. D-Link DSL-2770L User Manual 83 Section 3 - Configuration System Log The router keeps a running log of events and activities occurring on the router. You may send these logs to a SysLog server on your network. Log Types: Tick the checkboxes to indicate whether you want to log events related to the System, Attacks, Dropped packets or connections, or Debug information.