



User Manual

AX3200 Wi-Fi 6 Gigabit Router

DIR-X3260

Preface

D-Link reserves the right to revise this publication and to make changes in the content hereof without obligation to notify any person or organization of such revisions or changes.

Manual Revisions

Hardware	Revision	Date	Description
A1	v1.00	2021/05/19	Initial release

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ErP Power Usage

This device is an Energy Related Product (ErP) with High Network Availability (HiNA), and automatically switches to a power-saving Network Standby mode within 1 minute of no packets being transmitted. It can also be turned off through a power switch to save energy when it is not needed.

DIR-X3260	Network Standby: 5.31 watts Switched Off: 0.69 watts
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Product Overview

Package Contents

	DIR-X3260
DIR-X3260	V
Quick Installation Guide	V
Quick Installation Card	V
Ethernet Cable (RJ45)	V
Power Adapter	V

If any of the above items are missing or damaged, please contact your local reseller.

Note: *Using a power supply with a different voltage rating than the one included with the router will cause damage and void the warranty for this product.*

System Requirements

Network Requirements	<ul style="list-style-type: none">• An Ethernet-based cable, DSL or fiber modem• IEEE 802.11ax/ac/n/g/b/a wireless clients• 10/100/1000 Ethernet
Web-based Configuration Utility Requirements	<p>Computer with the following:</p> <ul style="list-style-type: none">• Windows®, Macintosh, or Linux-based operating system• An installed Ethernet adapter <p>Browser Requirements:</p> <ul style="list-style-type: none">• Internet Explorer 10 or higher• Firefox 28 or higher• Safari 6 or higher• Chrome 28 or higher <p>Windows® Users: Make sure you have the latest version of Java installed. Visit www.java.com to download the latest version.</p>
D-Link Wi-Fi App Requirements	<ul style="list-style-type: none">• iOS® or Android™ device (Please refer to the app's store page to check whether your device is compatible.)

Features

Need super-fast Wi-Fi for your wire-free, all-streaming house? With a powerful dual-core processor, the AX3200 Wi-Fi 6 Gigabit Router packs in enough processing power to handle every networking task you throw at it. It's a powerful, intelligent home router with integrated voice assistant compatibility for Amazon Alexa and Google Assistant so you can control your network with voice commands.

Handle More with a High-Power Processor

With the DIR-X3260, you're not only enjoying buffer-free gaming and lightning fast surfing, you're also enjoying features such as an optimizing QoS, an automatic firmware update system that ensures the best protection and the latest features, and compatibility with voice assistants. All this is possible with the router's 1.3 GHz dual-core high-power processor, 128 MB of flash memory and 512 MB of RAM.

Enhanced Quality of Service Features

The built-in Quality of Service (QoS) engine allows you to prioritize important traffic to ensure that your favorite applications are receiving optimal bandwidth.

Always Up-to-Date with the Latest Features

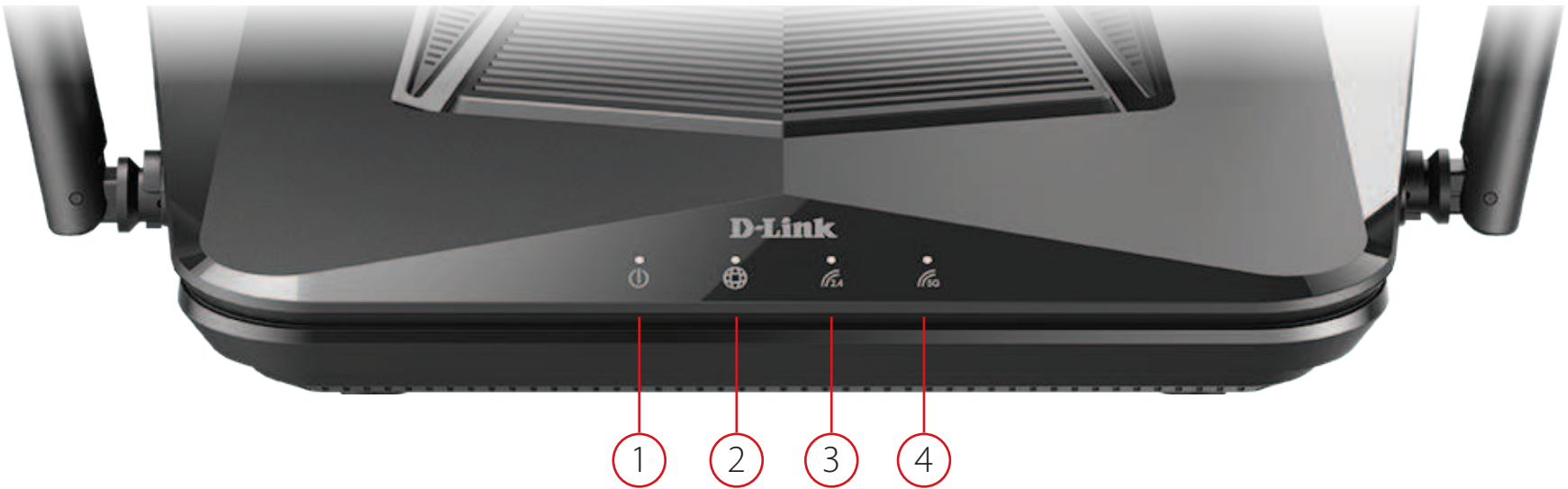
The DIR-X3260 will automatically check daily for updates to make sure that the device always has the latest features and the most secure firmware, and will install the update silently in the background. For an extra peace of mind, in the event of failure during the firmware update, the router will store a backup system image in the memory before proceeding with the update.

Easy to Set Up and Manage

Sharing your Internet connection doesn't have to be a complicated process; just download the free D-Link Wi-Fi app for your mobile device and follow the on-screen step-by-step instructions to set up your DIR-X3260. You also have the option to use a web browser to access the setup wizard and to manage your router. Support for industry-standard Wi-Fi Protected Setup (WPS) lets you create encrypted connections to new devices by pressing a button.

Hardware Overview

LED Indicators



1	Power	Solid White	The device is on and the system is healthy.
		Solid Orange	The device is booting up or performing the factory reset process.
		Blinking Orange	The device is under recovery mode.
2	Internet	Solid White	The Internet port connection is established.
		Solid Orange	The device cannot connect to the Internet.
		Blinking Orange	The device is undergoing the firmware upgrade process.
3	Wireless (2.4 GHz)	Solid White	The 2.4 GHz wireless band is enabled.
		Blinking White	The device is processing WPS.
4	Wireless (5 GHz)	Solid White	The 5 GHz wireless band is enabled.
		Blinking White	The device is processing WPS.

Installation

This section will walk you through the installation of your DIR-X3260.

Before you Begin

- Placement of the router is very important. Do not place the router in an enclosed area such as a closet, cabinet, attic, or garage.
- Configure the router with the computer that was last connected directly to your Internet connection. Verify that it is connected to the Internet before connecting additional devices.
- You can only use the Ethernet port on your modem. If you were using the USB connection before using the router, then you must turn off your modem, disconnect the USB cable and connect an Ethernet cable to the Internet port on the router, and then turn the modem back on. In some cases, you may need to call your Internet Service Provider (ISP) to change connection types (USB to Ethernet).
- If connecting to a DSL modem, make sure to have your DSL service information provided by your Internet Service Provider handy. This information is likely to include your DSL account's Username and Password. Your ISP may also supply you with additional WAN configuration settings which might be necessary to establish a connection.
- If you are connecting a considerable amount of networking equipment, it may be a good idea to take the time to label each cable or take a picture of your existing setup before making any changes.
- If you have DSL and are connecting via PPPoE, make sure you disable or uninstall any PPPoE software such as WinPoET, BroadJump, or EnterNet 300 from your computer or you will not be able to connect to the Internet.
- For wall mounting, please use screws to secure the device. We recommend using screws with the following dimensions: 6.5 mm head diameter / 3.5 mm screw diameter / 25 mm screw length (not including screw head).

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 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 (0.5 meters), at a 45-degree angle appears to be almost 3 feet (1 meter) thick. At a 2-degree angle it looks over 42 feet (14 meters) thick. Position devices so that the signal will travel straight through a wall or ceiling (instead of at an angle) for better reception.
3. Building materials make a difference. A solid metal door or aluminum studs may have a negative effect on range. Try to position access points, wireless routers, and computers so that the signal passes through drywall or open doorways. Materials and objects such as glass, steel, metal, walls with insulation, water (fish tanks), mirrors, file cabinets, brick, and concrete will degrade your wireless signal.
4. Keep your product away (at least 3-6 feet or 1-2 meters) from electrical devices or appliances that generate RF noise.
5. If you are using 2.4 GHz cordless phones or X-10 (wireless products such as ceiling fans, lights, and home security systems), your wireless connection may degrade dramatically or drop completely. Make sure your 2.4 GHz phone base is as far away from your wireless devices as possible. The base transmits a signal even if the phone is not in use.

Setup

There are several different ways you can configure your router to connect to the Internet

- **D-Link Wi-Fi App** - Use your compatible iOS or Android device to install and configure your router. Refer to **D-Link Wi-Fi App Setup** on page **8**.
- **Hardware Setup** - This section explains how to setup your DIR-X3260. Refer to **Hardware Setup** on page **10**.
- **D-Link Setup Wizard** - This wizard will launch when you log into the router by using your PC for the first time. Refer to **Setup Wizard** on page **13**.
- **Manual Setup** - Log in to the router to manually configure your router. Refer to **Configuration** on page **20**

D-Link Wi-Fi App Setup

The D-Link Wi-Fi app allows you to install and configure your DIR-X3260 from your compatible Android or iOS device.

Note: *The screenshots may be different depending on your mobile device's OS version. The following steps show the iOS interface of the D-Link Wi-Fi app. If you are using an Android device, the appearance may be different from that of the screenshots, but the process is the same.*

Step 1

Search and install the free **D-Link Wi-Fi** app available on the App Store or on Google Play. You can also scan the QR code on the right, which will take you to the respective D-Link Wi-Fi app store page.



Step 2

Launch the D-Link Wi-Fi app from the home screen of your device.



D-Link Wi-Fi

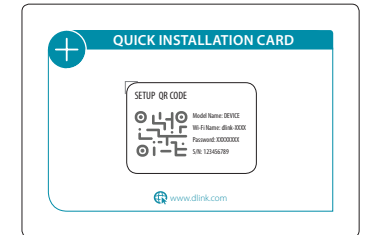
Step 3

Tap on the **Install New Device** button at the middle of the screen.



Step 4

Tap **Scan the QR code** to scan the setup QR code located on the Quick Installation Card and proceed to step 6. Alternatively, you can tap **Continue without scanning** to proceed to step 5.



Step 5

Select **Router** and select **DIR-X3260** from the list of available devices. Tap **Next** to continue.



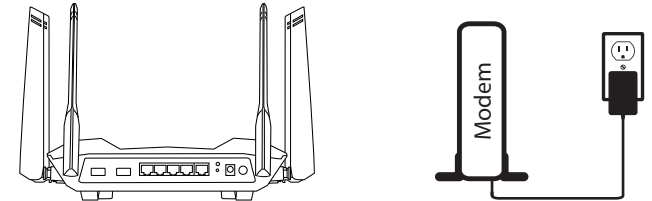
Step 6

You will now be guided through a step-by-step process for setting up your router. Simply follow the on-screen instructions to continue the installation and the configuration process.

Hardware Setup

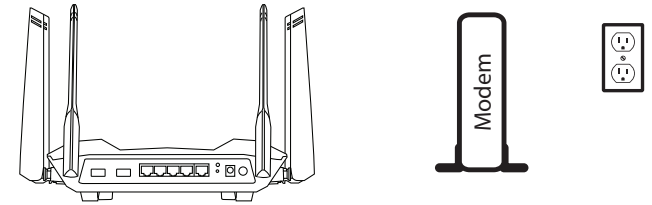
Step 1

Position your DIR-X3260 near your Internet-connected modem. Place it in an open area for better wireless coverage.



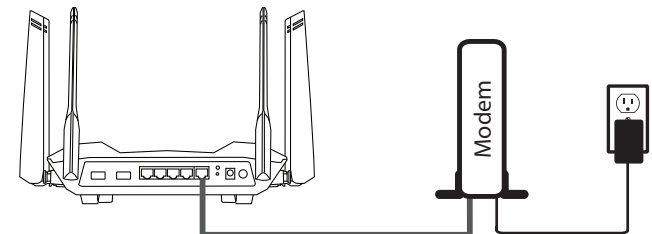
Step 2

Turn off and unplug the power to your cable or DSL broadband modem. This is required. In some cases, you may need to turn it off for up to five minutes.



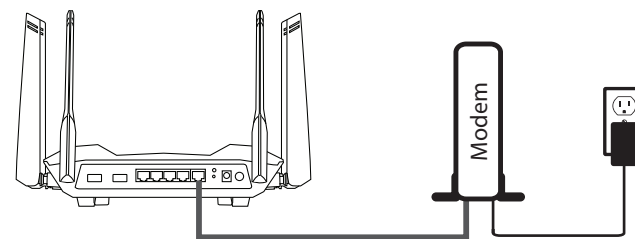
Step 3

Use the Ethernet cable to connect your modem to the port labelled **INTERNET** on the router.



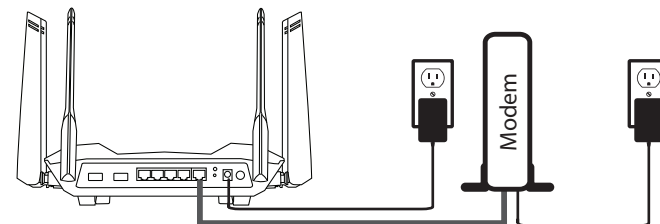
Step 4

Plug in and turn your modem back on and wait approximately one minute before proceeding.



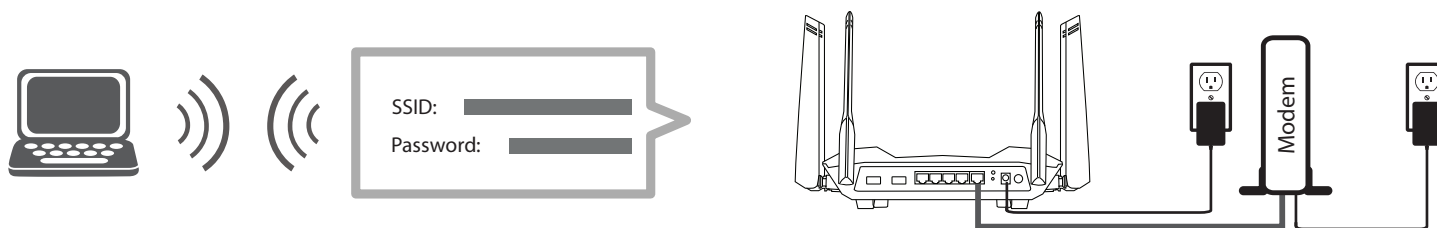
Step 5

Connect the supplied power adapter to the router and a power outlet, press the power button, and wait approximately one minute until the LED indicator on the front of the device changes from orange to solid white.

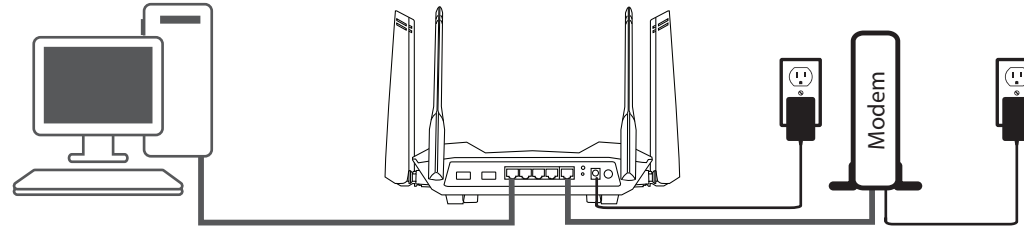


Step 6

If you are configuring the router wirelessly from a PC, connect to the Wi-Fi network printed on the label attached to the bottom of your router or on the Quick Installation Card.



If you are configuring the router from a PC with a wired Ethernet connection, plug one end of an Ethernet cable into the port labeled 1 on the back of the router, and the other end into the Ethernet port on your computer.



Step 7

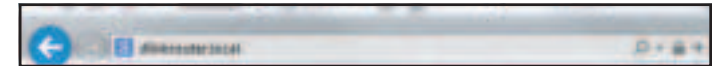
If you are connecting to a broadband service that uses a dynamic connection (not PPPoE), you may be online already. Try opening a web browser and connecting to a website. If the website does not load, proceed to **Setup Wizard** on page 13.

Setup Wizard

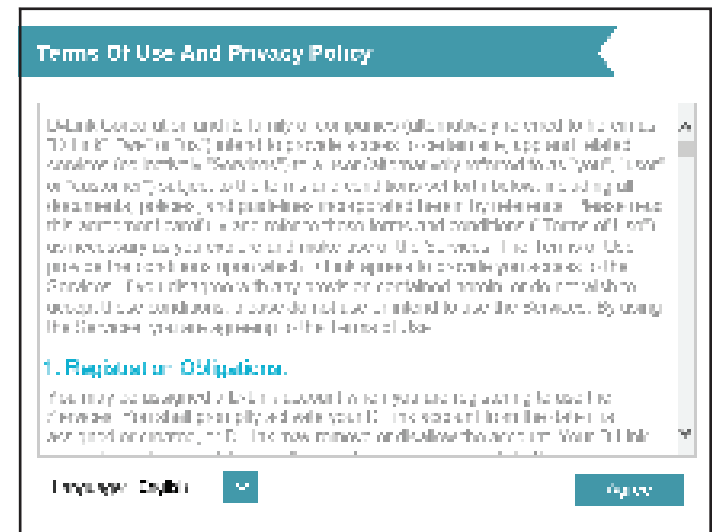
The setup wizard is designed to guide you through a step-by-step process to configure your new DIR-X3260 and connect to the Internet via a wireless setup process.

If this is your first time installing the router, open your web browser and enter **http://dlinkrouter.local/** in the address bar. Alternatively, enter the IP address of the router (default: **http://192.168.0.1**).

If this is your first time logging in to the page and no connection has been established, then log in with the password shown on the device label or Quick Install Guide.



Agree to the Terms of Use and Privacy Policy before proceeding.



Follow the on-screen instructions to configure your new D-Link router and connect to the Internet.

Click **Next** to continue.



Please wait while your router detects your Internet connection type.



If the router does not detect a valid Internet connection, a list of connection types to choose from will be displayed. Select your Internet connection type (this information can be obtained from your Internet Service Provider).

Click **Next** to continue.

Configure Your Internet Connection

Internet DIR-X3460 Wi-Fi Client

Please select your Internet connection type below:

- ☒ **DHCP Connection (Dynamic IP Address)**
Choose this option if your Internet connection automatically provides you with an IP Address. Most Cable Modems use this type of connection.
- ☐ **Username/Password Connection (PPPoE)**
Choose this option if your Internet connection requires a username and password to get online. Most DSL routers use this type of connection.
- ☐ **Static IP Address Connection**
Choose this option if your Internet Service Provider provided you with IP Address information that has to be manually configured.

Back Next

If the router detected or you selected **PPPoE**, enter your PPPoE username and password. If you do not have this information, please contact your ISP.

Click **Next** to continue.

Note: Make sure to remove all other existing PPPoE software from your computer. The software is no longer needed and will not work through a router.

PPPoE

Internet DIR-X3460 Wi-Fi Client

To setup this Internet connection, you will need to have a User Name from your Internet Service Provider. If you do not have this information, please contact your ISP.


Username:

Password:

Back Next

If the router detected or you selected **Static**, enter the IP and DNS settings supplied by your ISP. If you do not have this information, please contact your ISP.

Click **Next** to continue.



Static IP

Internet — DIR-X3260 — Wi-Fi Client

To set up this connection you will need to have a complete set of IP information by your Internet Service Provider. If you have a Static IP connection and do not have this information, please contact your ISP.

IP Address:

Subnet Mask:

Gateway Address:


Primary DNS Address:

Secondary DNS Address:

Type in a **Wi-Fi Network Name** and **Wi-Fi Password** to setup your Wi-Fi network. Your wireless clients will need to have this passphrase to be able to connect to your wireless network.

Click **Next** to continue.

Note: The router's Smart Connect feature presents a single wireless network. When connecting clients to an extension network, they will be automatically added to the best band, either 2.4 GHz or 5 GHz. To disable the Smart Connect feature and individually configure 2.4 GHz and 5 GHz networks, refer to **Wireless** on page **54**.



Wi-Fi Settings

Internet — DIR-X3260 — Wi-Fi Client

To setup a Wi-Fi network you will need to give your Wi-Fi network a name(SSID) and password.

Wi-Fi Network Name:

Wi-Fi Password:

In order to secure the router's configuration access, please enter a password. You will be prompted for this password every time you want to use the router's web configuration utility.

Click **Next** to continue.



The screenshot shows the 'Device Admin Password' configuration screen. At the top, a blue banner reads 'Device Admin Password'. Below it, a network diagram shows 'Internet' connected to 'DIR-X5400' (a yellow crown icon), which is connected to 'Wi-Fi Client' (a smartphone icon). The text states: 'By default, your new D-Link device does not have a password configured for administrator access to the Web-based configuration utility. To secure your new device, please create a password below.' There is a text input field labeled 'Device Admin Password:' containing the text 'DevicePassword1'. At the bottom, there are 'Back' and 'Next' buttons.

Select your time zone from the drop-down menu.

Click **Next** to continue.



The screenshot shows the 'Time Zone' configuration screen. At the top, a blue banner reads 'Time Zone'. Below it, the same network diagram as the previous screen is shown. The text states: 'Some essential features require you to set a time zone to work properly. Please select your time zone from the drop-down menu.' There is a text input field labeled 'Time Zone:' containing the text 'AsiaTaipei'. At the bottom, there are 'Back' and 'Next' buttons.

Keeping your router's firmware up-to-date provides you with the latest protection and new features over the air. Choose whether to keep your device up-to-date automatically or to manage the device updates by yourself.

Click **Next** to continue.



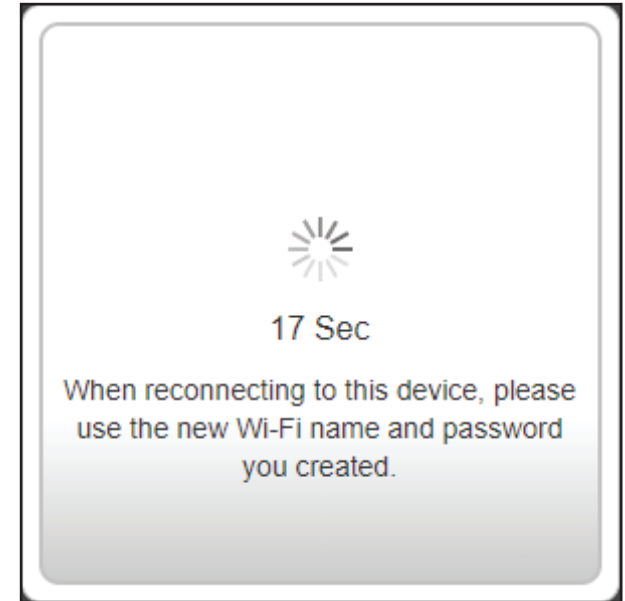
You will be presented with a summary of your settings.

Click **Next** to finalize the settings or **Back** to make changes.



Please wait while the device settings are saved.

Do not turn off or unplug your router during this time.

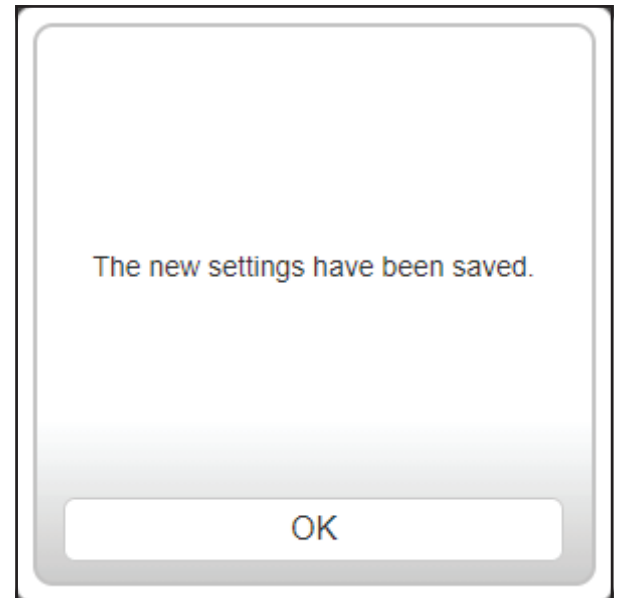


Your new settings have been saved and your router is now configured.

Click **OK** to close the Setup Wizard.

Congratulations, your device has been successfully configured!

You can log in to the configuration utility by inputting the Admin Password.



Configuration

To access the configuration utility, open your web-browser and enter **http://dlinkrouter.local/** or you may also connect by typing the IP address of the router (by default this is **http://192.168.0.1**) in the address bar.



Enter your password. If you previously followed the setup wizard, please use the admin password you entered during the wizard. Otherwise, log in with the password shown on the device label or Quick Install Guide.



Note: *If you cannot remember your password and cannot log in, use a paperclip to press the recessed **Reset** button on the back of the device for longer than 10 seconds to restore the router to its default settings.*

The router's home page will open displaying its current connection status.

The bar at the top of the page has quick access to **Settings**, **Features** and **Management** functions. You can quickly jump back Home at any time.

Note: *The system will automatically log out after a period of inactivity.*



Home

The Home page displays the current status of the router in the form of an interactive diagram. You can click each icon to display information about each part of the network at the bottom of the screen. The menu bar at the top of the page will allow you to quickly navigate to other pages.

The Home page displays whether or not the router is currently connected to the Internet.



If it is disconnected, click **Click to repair** to bring up the setup wizard, refer to the **Setup Wizard** on page **13** for more information.



Internet

To bring up more details about your Internet connection, click on the **Internet** icon.

Click **IPv4** or **IPv6** to see details of the IPv4 connection and IPv6 connection respectively.

Click **Release IP Address** to disconnect from the Internet. If you do this and wish to reconnect, click **Renew**.

To reconfigure the Internet settings, refer to **Internet - IPv4** on page 27



DIR-X3260

Click on the **DIR-X3260** icon to view details about the router and its wireless settings.

Here you can see the router's current Wi-Fi network name and password, as well as the router's MAC address, IPv4 address, and IPv6 address.

To reconfigure the network settings, either click **Go to settings** on the lower left, or click **Settings** (at the top of the page) and then **Network** on the menu that appears. Refer to **Network** on page **61** for more information.

To reconfigure the wireless settings, either click **Go to settings**, on the lower right, or click **Settings** (at the top of the page) and then **Wireless** on the menu that appears. Refer to **Wireless** on page **54** for more information.



Connected Clients

Click on the **Connected Clients** icon to view details about the connected clients to the router and their wireless settings.

On this page you can see all the clients currently connected to the router, and their IP addresses.

To edit each client's settings, click the pencil icon on the client you want to edit.



Edit Rule	
Name	Enter a custom name for this client.
Vendor	Displays the vendor of the client.
MAC Address	Displays the MAC address of the client.
IP Address	Displays the current IP address of the client.
Reserve IP	Enable to reserve an IP address for the client.
IP Address (Reserved)	Specify an IP address for the router's DHCP server to assign.
Parental Control	Enable Parental Control for the client to specify whether it is allowed network access.
Schedule	Use the drop-down menu to select the time schedule that the Parental Controls will be enabled for. The schedule may be set to Always OFF meaning that the client will always be blocked from accessing the network, or you can create your own schedules in the Schedules section to specify the times that the client is allowed to access the network. Refer to Time & Schedule - Schedule on page 81 for more information.

Click **Save** when you are done.

The screenshot shows the 'Edit Rule' configuration window. It includes the following fields and values:

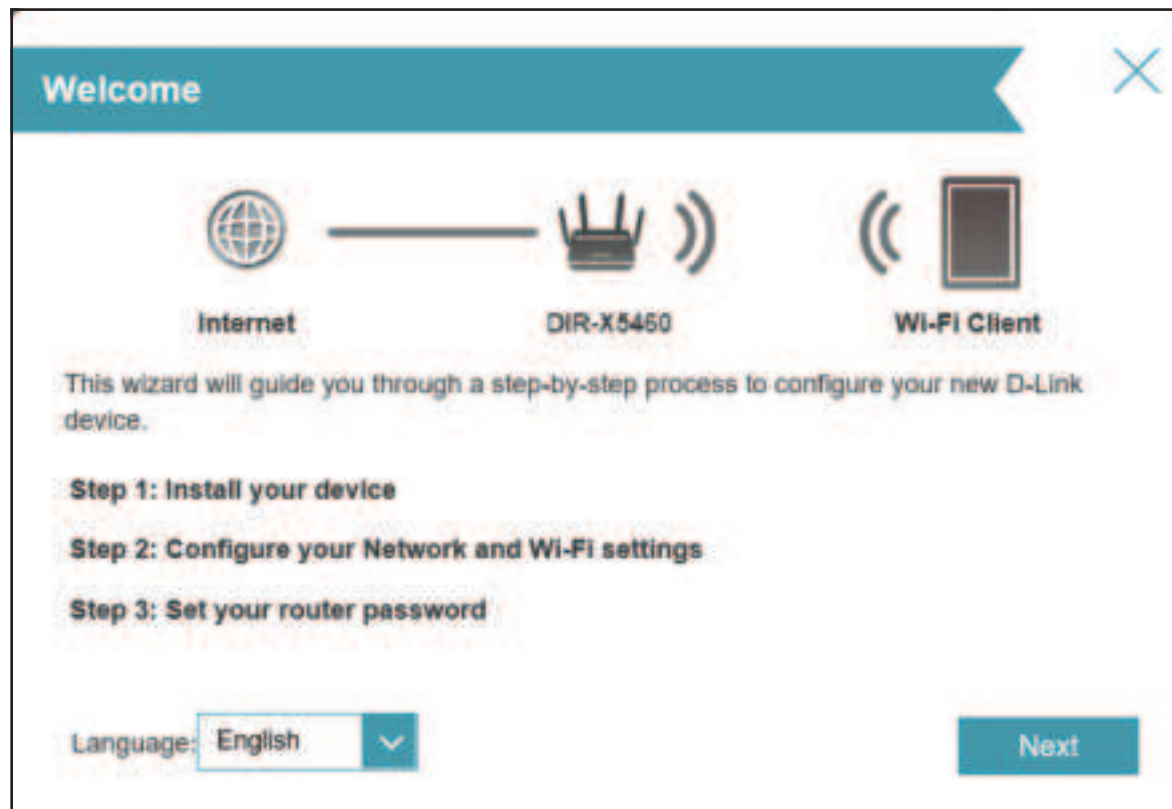
- Name:** 08628PCWIN10
- Vendor:** D-Link International
- MAC Address:** c8 d3 83 03 43 86
- IP Address:** 192.168.0.106
- Reserve IP:** Enabled (Remaining: 24)
- IP Address (Reserved):** (Empty text box)
- Parental Control:** Enabled
- Schedule:** Always OFF (dropdown menu)

A **Save** button is located at the bottom of the window.

Settings Wizard

In the Settings menu on the bar at the top of the page, click **Wizard** to open the setup wizard. This is the same wizard that appears when you start the router for the first time. Refer to **Setup Wizard** on page **13** for details.

Note: *When the Wizard is opened, the router will disconnect from the internet.*



Internet - IPv4

In the Settings menu on the bar at the top of the page, click **Internet** to see the Internet configuration options for the IPv4 connection details.

To configure the IPv6 Internet and network connection details, click the **IPv6** link. Refer to **Internet - IPv6** on page **37**

To configure the VLAN connection details, click the **VLAN** link. Refer to **Internet - VLAN** on page **52**

Click **Save** at any time to save the changes you have made on this page.

My Internet Connection is

Choose your Internet connection type from the drop-down menu. You will be presented with the appropriate options for your connection type.

For **IPv4 - Dynamic IP (DHCP)** refer to page **28**

For **IPv4 - Static IP** refer to page **29**

For **IPv4 - PPPoE** refer to page **30**

For **IPv4 - PPTP** refer to page **32**

For **IPv4 - L2TP** refer to page **34**

For **IPv4 - DS-Lite** refer to page **36**



IPv4 - Dynamic IP (DHCP)

Select **Dynamic IP (DHCP)** to obtain IP address information automatically from your Internet Service Provider (ISP). Select this option if your ISP does not specify an IP address to use. Click **Save** at any time to save the changes you have made on this page.

Advanced Settings...	
Host Name	The host name is optional but may be required by some ISPs. Leave it blank if you are not sure.
Primary DNS Server	Enter the primary DNS server IP address assigned by your ISP. This address is usually obtained automatically from your ISP.
Secondary DNS Server	Enter the secondary DNS server IP address assigned by your ISP. This address is usually obtained automatically from your ISP.
MTU	Maximum Transmission Unit - you may need to change the MTU for optimal performance with your ISP.
MAC Address Clone	The default MAC address is set to the Internet port's physical interface MAC address on the router. You can use the drop-down menu to replace the Internet port's MAC address with the MAC address of a connected client.



IPv4 - Static IP

Select **Static IP** if your IP information is provided by your Internet Service Provider (ISP). Click **Save** at any time to save the changes you have made on this page.

- IP Address** Enter the IP address provided by your ISP.
- Subnet Mask** Enter the subnet mask provided by your ISP.
- Default Gateway** Enter the default gateway address provided by your ISP.
- Primary DNS Server** Enter the primary DNS server IP address assigned by your ISP.



Advanced Settings...

- Secondary DNS Server** Enter the secondary DNS server IP address assigned by your ISP.
- MTU** Maximum Transmission Unit - you may need to change the MTU for optimal performance with your ISP.
- MAC Address Clone** The default MAC address is set to the Internet port's physical interface MAC address on the router. You can use the drop-down menu to replace the Internet port's MAC address with the MAC address of a connected client.



IPv4 - PPPoE

Select **PPPoE** if your ISP provides and requires you to enter a PPPoE username and password in order to connect to the Internet. Click **Save** at any time to save the changes you have made on this page.

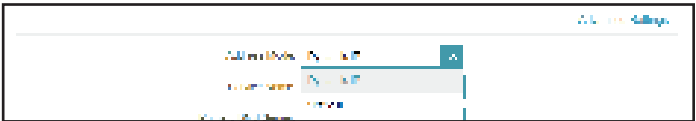
- Username** Enter the username provided by your ISP.
- Password** Enter the password provided by your ISP.
- Reconnect Mode** Select either **Always on**, **On Demand**, or **Manual**.

Maximum Idle Time Configurable when **On Demand** is selected. Enter a maximum idle time during which the Internet connection is maintained during inactivity. To disable this feature, select **Always on** as the reconnect mode.

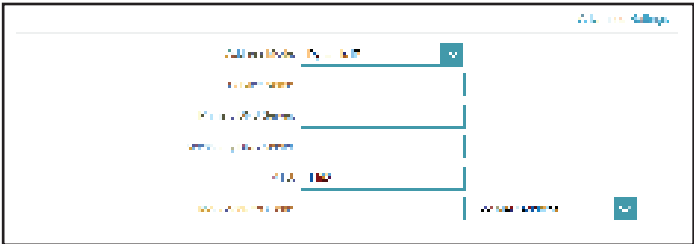


Advanced Settings...

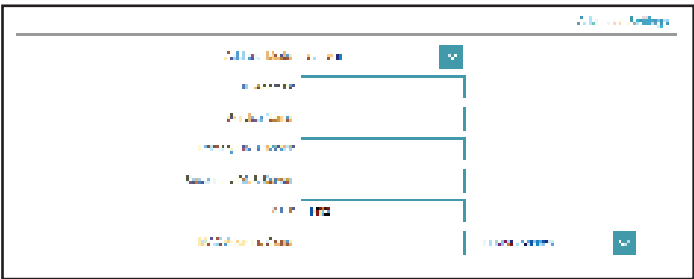
- Address Mode** Select **Static IP** if your ISP assigned you the IP address, subnet mask, gateway, and DNS server addresses. In most cases, select **Dynamic IP**.



Advanced Settings... - Dynamic IP	
Address Mode	Shows your chosen address mode.
Service Name	Enter the ISP service name (optional)
Primary DNS Server	Enter the primary DNS server IP address assigned by your ISP.
Secondary DNS Server	Enter the secondary DNS server IP address assigned by your ISP.
MTU	Maximum Transmission Unit - you may need to change the MTU for optimal performance with your ISP.
MAC Address Clone	The default MAC address is set to the Internet port's physical interface MAC address on the router. You can use the drop-down menu to replace the Internet port's MAC address with the MAC address of a connected client.



Advanced Settings... - Static IP	
Address Mode	Displays your chosen address mode.
IP Address	Enter the IP address provided by your ISP.
Service Name	Enter the ISP service name (optional)
Primary DNS Server	Enter the primary DNS server IP address assigned by your ISP.
Secondary DNS Server	Enter the secondary DNS server IP address assigned by your ISP.
MTU	Maximum Transmission Unit - you may need to change the MTU for optimal performance with your ISP.
MAC Address Clone	The default MAC address is set to the Internet port's physical interface MAC address on the router. You can use the drop-down menu to replace the Internet port's MAC address with the MAC address of a connected client.



IPv4 - PPTP

Choose **PPTP** (Point-to-Point-Tunneling Protocol) if your Internet Service Provider (ISP) uses a PPTP connection. Your ISP will provide you with a username and password. Click **Save** at any time to save the changes you have made on this page.

PPTP Server Enter the PPTP server IP address provided by your ISP.

Username Enter the username provided by your ISP.

Password Enter the password provided by your ISP.

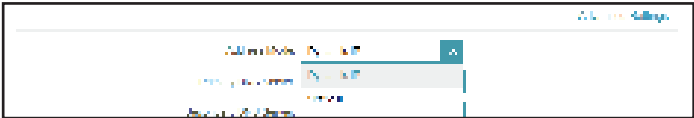
Reconnect Mode Select either **Always on**, **On Demand**, or **Manual**.

Maximum Idle Time Configurable when **On Demand** is selected. Enter a maximum idle time during which the Internet connection is maintained during inactivity. To disable this feature, select **Always on** as the reconnect mode.



Advanced Settings...

Address Mode Select **Static IP** if your ISP assigned you the IP address, subnet mask, gateway, and DNS server addresses. In most cases, select **Dynamic IP**.



Advanced Settings... - Dynamic IP

Address Mode

Shows your chosen address mode.

Primary DNS Server

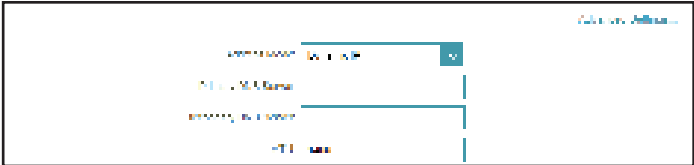
Enter the primary DNS server IP address assigned by your ISP.

Secondary DNS Server

Enter the secondary DNS server IP address assigned by your ISP.

MTU

Maximum Transmission Unit - you may need to change the MTU for optimal performance with your ISP.



Advanced Settings... - Static IP

Address Mode

Displays your chosen address mode.

PPTP IP Address

Enter the IP address provided by your ISP.

PPTP Subnet Mask

Enter the subnet mask provided by your ISP.

PPTP Gateway IP Address

Enter the gateway IP address provided by your ISP.

Primary DNS Server

Enter the primary DNS server IP address assigned by your ISP.

Secondary DNS Server

Enter the secondary DNS server IP address assigned by your ISP.

MTU

Maximum Transmission Unit - you may need to change the MTU for optimal performance with your ISP.



IPv4 - L2TP

Choose **L2TP** (Layer 2 Tunneling Protocol) if your Internet Service Provider (ISP) uses a L2TP connection. Your ISP will provide you with a username and password. Click **Save** at any time to save the changes you have made on this page.

L2TP Server	Enter the L2TP server IP address provided by your ISP.
Username	Enter the username provided by your ISP.
Password	Enter the password provided by your ISP.
Reconnect Mode	Select either Always on , On Demand , or Manual .
Maximum Idle Time	Configurable when On Demand is selected. Enter a maximum idle time during which the Internet connection is maintained during inactivity. To disable this feature, select Always on as the reconnect mode.

Advanced Settings...

Address Mode	Select Static IP if your ISP assigned you the IP address, subnet mask, gateway, and DNS server addresses. In most cases, select Dynamic IP .
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Advanced Settings... - Dynamic IP

Address Mode

Shows your chosen address mode.

Primary DNS Server

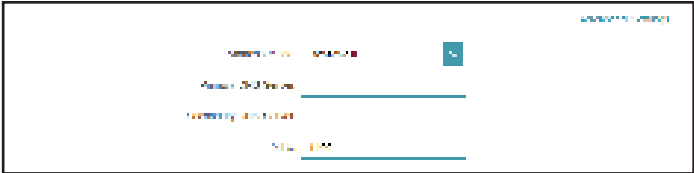
Enter the primary DNS server IP address assigned by your ISP.

Secondary DNS Server

Enter the secondary DNS server IP address assigned by your ISP.

MTU

Maximum Transmission Unit - you may need to change the MTU for optimal performance with your ISP.



Advanced Settings... - Static IP

Address Mode

Shows your chosen address mode.

L2TP IP Address

Enter the IP address provided by your ISP.

L2TP Subnet Mask

Enter the subnet mask provided by your ISP.

L2TP Gateway IP Address

Enter the gateway IP address provided by your ISP.

Primary DNS Server

Enter the primary DNS server IP address assigned by your ISP.

Secondary DNS Server

Enter the secondary DNS server IP address assigned by your ISP.

MTU

Maximum Transmission Unit - you may need to change the MTU for optimal performance with your ISP.



IPv4 - DS-Lite

DS-Lite is an IPv6 connection type. After selecting DS-Lite, the following parameters will be available for configuration. Click **Save** at any time to save the changes you have made on this page.

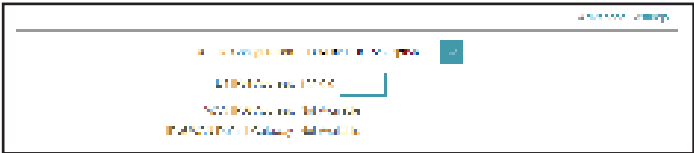
Advanced Settings...

DS-Lite Select **DS-Lite DHCPv6 Option** to let the router allocate the AFTR IPv6 address automatically. Select **Manual Configuration** to enter the AFTR IPv6 address manually.



Advanced Settings... - DS-Lite DHCPv6 Option

- B4 IPv4 Address** Enter the B4 IPv4 address value used here.
- WAN IPv6 Address** Once connected, the WAN IPv6 address will be displayed here.
- IPv6 Default WAN Gateway** Once connected, the IPv6 WAN default gateway address will be displayed here.



Advanced Settings... - Manual Configuration Option

- AFTR IPv6 Address** Enter the AFTR IPv6 address used here.
- B4 IPv4 Address** Enter the B4 IPv4 address value used here.
- WAN IPv6 Address** Once connected, the WAN IPv6 address will be displayed here.
- IPv6 WAN Default Gateway** Once connected, the IPv6 WAN default gateway address will be displayed here.



Internet - IPv6

In the Settings menu on the bar at the top of the page, click **Internet** to see the Internet configuration options for the IPv4 connection details, then click the **IPv6** link to access the configuration options for the IPv6 connection details.

To configure the IPv4 Internet and network connection details, click the **IPv4** link. Refer to **Internet - IPv4** on page 27

To configure the VLAN connection details, click the **VLAN** link. Refer to **Internet - VLAN** on page 52

Click **Save** at any time to save the changes you have made on this page.

My Internet Connection is

Choose your Internet connection type from the drop-down menu. You will be presented with the appropriate options for your connection type.

For **IPv6 - Auto Detection** refer to page 38

For **IPv6 - Static IPv6** refer to page 40

For **IPv6 - Auto Configuration (SLAAC/DHCPv6)** refer to page 42

For **IPv6 - PPPoE** refer to page 45

For **IPv6 - 6rd** refer to page 49

For **IPv6 - Local Connectivity Only** refer to page 51



IPv6 - Auto Detection

Select **Auto Detection** to automatically detect the IPv6 connection method used by your Internet Service Provider (ISP). If Auto Detection fails, you can manually select another IPv6 connection type. Click **Save** at any time to save the changes you have made on this page.



IPv6 DNS Settings	
DNS Type	Select either Obtain DNS server address automatically or Use the following DNS address .
Primary DNS Server	If you selected Use the following DNS address , enter the primary DNS server address.
Secondary DNS Server	If you selected Use the following DNS address , enter the secondary DNS server address.



LAN IPv6 Address Settings	
Enable DHCP-PD	Enable or disable DHCP Prefix Delegation.
LAN IPv6 Link-Local Address	Displays the router's LAN link-local address.
If Enable DHCP-PD is disabled, these additional parameters are available for configuration:	
LAN IPv6 Address	Enter a valid LAN IPv6 address.
LAN IPv6 Link-Local Address	Displays the router's LAN link-local address.



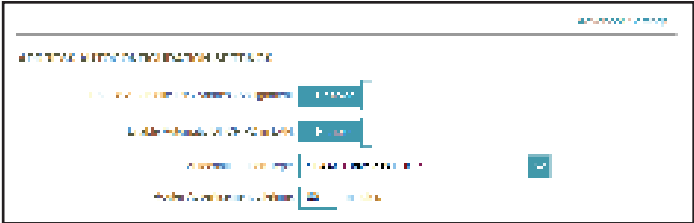
Advanced Settings... - Address Autoconfiguration Settings

- Enable Automatic IPv6 Address Assignment

Enable or disable the Automatic IPv6 Address Assignment feature.
- Enable Automatic DHCP-PD in LAN

Enable or disable DHCP-PD for other IPv6 routers connected to the LAN interface.
- Autoconfiguration Type

Select **SLAAC+RDNSS**, **SLAAC+Stateless DHCP**, or **Stateful DHCPv6**.



If you selected **SLAAC+RDNSS** or **SLAAC+Stateless DHCP** as the Autoconfiguration Type:

- Router Advertisement Lifetime

Enter the router advertisement lifetime (in minutes).



If you selected **Stateful DHCPv6** as the Autoconfiguration Type:

- IPv6 Address Range (Start)

Enter the starting IPv6 address for the DHCP server's IPv6 assignment.
- IPv6 Address Range (End)

Enter the ending IPv6 address for the DHCP server's IPv6 assignment.



IPv6 - Static IPv6

Select **Static IP** if your IPv6 information is provided by your Internet Service Provider (ISP). Click **Save** at any time to save the changes you have made on this page.

- Use Link-Local Address

Enable or disable link-local address use.
- IPv6 Address

Configurable when **Use Link-Local Address** is disabled. Enter the address supplied by your ISP.
- Subnet Prefix Length

Configurable when **Use Link-Local Address** is disabled. Enter the subnet prefix length supplied by your ISP.
- Default Gateway

Enter the default gateway for your IPv6 connection.
- Primary DNS Server

Enter the primary DNS server address.
- Secondary DNS Server

Enter the secondary DNS server address.

LAN IPv6 Address Settings

- LAN IPv6 Address

Enter the LAN (local) IPv6 address for the router.
- LAN IPv6 Link-Local Address

Displays the router's LAN link-local address.



Advanced Settings... - Address Autoconfiguration Settings	
Enable Automatic IPv6 Address Assignment	Enable or disable the Automatic IPv6 Address Assignment feature.
Autoconfiguration Type	Select SLAAC+RDNSS , SLAAC+Stateless DHCP , or Stateful DHCPv6 .

If you selected **SLAAC+RDNSS** or **SLAAC+Stateless DHCP** as the Autoconfiguration Type:

Router Advertisement Lifetime	Enter the router advertisement lifetime (in minutes).
-------------------------------	---

If you selected **Stateful DHCPv6** as the Autoconfiguration Type:

IPv6 Address Range (Start)	Enter the starting IPv6 address for the DHCP server's IPv6 assignment.
IPv6 Address Range (End)	Enter the ending IPv6 address for the DHCP server's IPv6 assignment.
IPv6 Address Lifetime	Enter the IPv6 address lifetime (in minutes).



IPv6 - Auto Configuration (SLAAC/DHCPv6)

Select **Auto Configuration** if your ISP assigns your IPv6 address when your router requests one from the ISP’s server. Some ISPs require you to adjust settings on your side before your router can connect to the IPv6 Internet. Click **Save** at any time to save the changes you have made on this page.

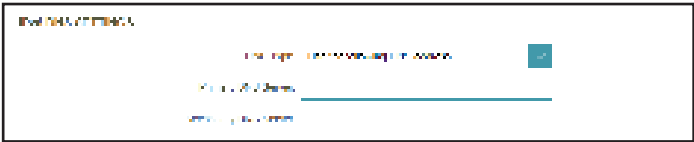


IPv6 DNS Settings

DNS Type Select either **Obtain DNS server address automatically** or **Use the following DNS address.**

Primary DNS Server If you selected **Use the following DNS address**, enter the primary DNS server address.

Secondary DNS Server If you selected **Use the following DNS address**, enter the secondary DNS server address.



LAN IPv6 Address Settings

Enable DHCP-PD Enable or disable prefix delegation services.

LAN IPv6 Link-Local Address Displays the router’s LAN link-local address.

*If **Enable DHCP-PD** is disabled, these additional parameters are available for configuration:*

LAN IPv6 Address Enter a valid LAN IPv6 address.

LAN IPv6 Link-Local Address Displays the router’s LAN link-local address.



Advanced Settings... - Address Autoconfiguration Settings

Enable Automatic IPv6 Address Assignment Enable or disable the Automatic IPv6 Address Assignment feature.

If **Enable DHCP-PD** is enabled in the previous LAN IPv6 Address Settings:

Enable Automatic DHCP-PD in LAN Enable or disable DHCP-PD for other IPv6 routers connected to the LAN interface.

Autoconfiguration Type Select **SLAAC+RDNSS**, **SLAAC+Stateless DHCP**, or **Stateful DHCPv6**.

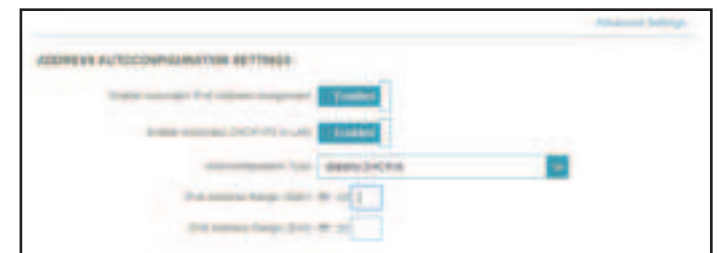
If you selected **SLAAC+RDNSS** or **SLAAC+Stateless DHCP** as the Autoconfiguration Type:

Router Advertisement Lifetime Enter the router advertisement lifetime (in minutes).

If you selected **Stateful DHCPv6** as the Autoconfiguration Type:

IPv6 Address Range (Start) Enter the starting IPv6 address for the DHCP server's IPv6 assignment.

IPv6 Address Range (End) Enter the ending IPv6 address for the DHCP server's IPv6 assignment.



Advanced Settings... - Address Autoconfiguration Settings

- Enable Automatic IPv6 Address Assignment

Enable or disable the Automatic IPv6 Address Assignment feature.
- If **Enable DHCP-PD** is disabled in the previous LAN IPv6 Address Settings:
- Autoconfiguration Type

Select **SLAAC+RDNSS**, **SLAAC+Stateless DHCP**, or **Stateful DHCPv6**.

If you selected **SLAAC+RDNSS** or **SLAAC+Stateless DHCP** as the Autoconfiguration Type:

- Router Advertisement Lifetime

Enter the router advertisement lifetime (in minutes).

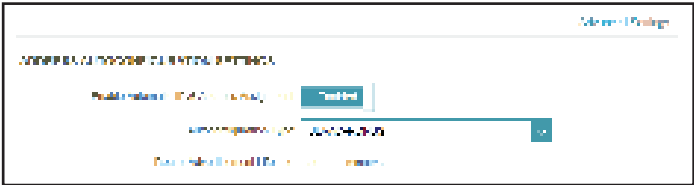
If you selected **Stateful DHCPv6** as the Autoconfiguration Type:

- IPv6 Address Range (Start)

Enter the starting IPv6 address for the DHCP server's IPv6 assignment.
- IPv6 Address Range (End)

Enter the ending IPv6 address for the DHCP server's IPv6 assignment.
- IPv6 Address Lifetime

Enter the IPv6 address lifetime (in minutes).



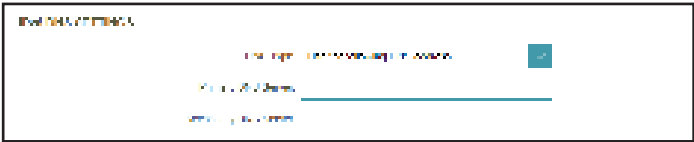
IPv6 - PPPoE

Select **PPPoE** if your ISP provides and requires you to enter a PPPoE username and password in order to connect to the Internet. Click **Save** at any time to save the changes you have made on this page.

- PPPoE Session** Create a new PPPoE session.
- Username** Enter the username provided by your ISP.
- Password** Enter the password provided by your ISP.
- Address Mode** Select either **Dynamic IP** or **Static IP**.
- IP Address** Configurable if Static IP is chosen. Enter the IP address provided by your ISP.
- Service Name** Enter the ISP service name (optional).
- Reconnect Mode** Select either **Always On** or **Manual**.
- MTU** Maximum Transmission Unit - you may need to change the MTU for optimal performance with your ISP.



IPv6 DNS Settings	
DNS Type	Select either Obtain DNS server address automatically or Use the following DNS address .
Primary DNS Server	If you selected Use the following DNS address , enter the primary DNS server address.
Secondary DNS Server	If you selected Use the following DNS address , enter the secondary DNS server address.



LAN IPv6 Address Settings	
Enable DHCP-PD	Enable or disable prefix delegation services.
LAN IPv6 Link-Local Address	Displays the router's LAN link-local address.
If Enable DHCP-PD is disabled, these additional parameters are available for configuration:	
LAN IPv6 Address	Enter a valid LAN IPv6 address.
LAN IPv6 Link-Local Address	Displays the router's LAN link-local address.



Advanced Settings... - Address Autoconfiguration Settings

- Enable Automatic IPv6 Address Assignment

Enable or disable the Automatic IPv6 Address Assignment feature.
- If **Enable DHCP-PD** is enabled in the previous LAN IPv6 Address Settings:

Enable Automatic DHCP-PD in LAN

Enable or disable DHCP-PD for other IPv6 routers connected to the LAN interface.

Autoconfiguration Type

Select **SLAAC+RDNSS**, **SLAAC+Stateless DHCP**, or **Stateful DHCPv6**.

If you selected **SLAAC+RDNSS** or **SLAAC+Stateless DHCP** as the Autoconfiguration Type:

- Router Advertisement Lifetime

Enter the router advertisement lifetime (in minutes).

If you selected **Stateful DHCPv6** as the Autoconfiguration Type:

- IPv6 Address Range (Start)

Enter the starting IPv6 address for the DHCP server's IPv6 assignment.
- IPv6 Address Range (End)

Enter the ending IPv6 address for the DHCP server's IPv6 assignment.



Advanced Settings... - Address Autoconfiguration Settings

- Enable Automatic IPv6 Address Assignment

Enable or disable the Automatic IPv6 Address Assignment feature.
- If **Enable DHCP-PD** is disabled in the previous LAN IPv6 Address Settings:

Autoconfiguration Type

Select **SLAAC+RDNSS**, **SLAAC+Stateless DHCP**, or **Stateful DHCPv6**.
- If you selected **SLAAC+RDNSS** or **SLAAC+Stateless DHCP** as the Autoconfiguration Type:

Router Advertisement Lifetime

Enter the router advertisement lifetime (in minutes).
- If you selected **Stateful DHCPv6** as the Autoconfiguration Type:

IPv6 Address Range (Start)

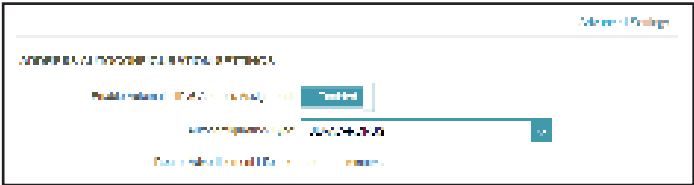
Enter the starting IPv6 address for the DHCP server's IPv6 assignment.

IPv6 Address Range (End)

Enter the ending IPv6 address for the DHCP server's IPv6 assignment.

IPv6 Address Lifetime

Enter the IPv6 address lifetime (in minutes).



IPv6 - 6rd

In this section the user can configure the IPv6 **6rd** connection settings. Click **Save** at any time to save the changes you have made on this page.

- Assign IPv6 Prefix

Currently unsupported.
- Primary DNS Server

Enter the primary DNS server address.
- Secondary DNS Server

Enter the secondary DNS server address.
- 6rd Manual Configuration

Enable Hub and Spoke Mode

Enable this option if you want to minimize the number of routes to the destination by using a hub and spoke method of networking.

6rd Configuration

Choose the **6rd DHCPv4 Option** to automatically discover and populate the data values, or **Manual Configuration** to enter the settings yourself.

If you selected **Manual Configuration** as the 6rd Configuration:

6rd IPv6 Prefix

Enter the 6rd IPv6 prefix and mask length supplied by your ISP.

WAN IPv4 Address

Displays the router's IPv4 address.

6rd Border Relay IPv4 Address

Enter the 6rd border relay IPv4 address settings supplied by your ISP.
-
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LAN IPv6 Address Settings

LAN IPv6 Address	Displays the router's LAN IPv6 Address link-local address.
LAN IPv6 Link-Local Address	Displays the router's LAN link-local address.



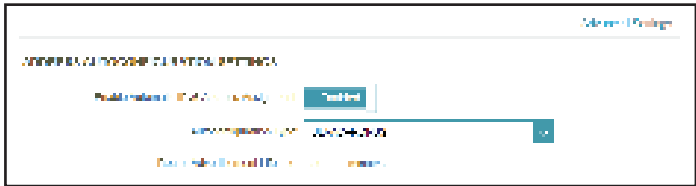
Advanced Settings... - Address Autoconfiguration Settings

Enable Automatic IPv6 Address Assignment	Enable or disable the Automatic IPv6 Address Assignment feature.
Autoconfiguration Type	Select SLAAC+RDNSS , SLAAC+Stateless DHCP , or Stateful DHCPv6 .



If you selected **SLAAC+RDNSS** or **SLAAC+Stateless DHCP** as the Autoconfiguration Type:

Router Advertisement Lifetime	Enter the router advertisement lifetime (in minutes).
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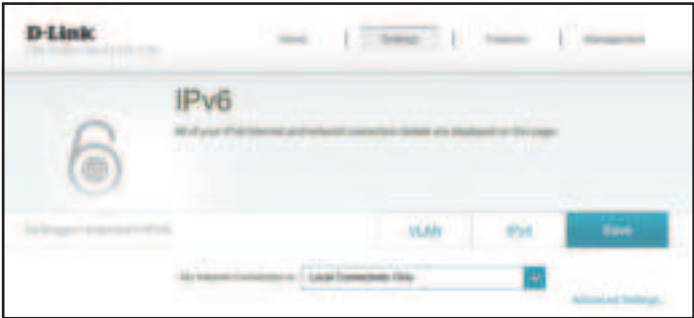
If you selected **Stateful DHCPv6** as the Autoconfiguration Type:

IPv6 Address Range (Start)	Enter the starting IPv6 address for the DHCP server's IPv6 assignment.
IPv6 Address Range (End)	Enter the ending IPv6 address for the DHCP server's IPv6 assignment.
IPv6 Address Lifetime	Enter the IPv6 address lifetime (in minutes).



IPv6 - Local Connectivity Only

Local Connectivity Only allows you to set up an IPv6 connection that will not connect to the Internet. Click **Save** at any time to save the changes you have made on this page.



Advanced Settings... - IPv6 ULA Settings

- Enable ULA** Click here to enable Unique Local IPv6 Unicast Addresses settings.
- Use Default ULA Prefix** Enable this option to use the default ULA prefix.
- ULA Prefix** Configurable if you disable Use Default ULA Prefix. Enter your own ULA prefix.



Advanced Settings... - Current IPv6 ULA Settings

- Current ULA Prefix** Displays the current ULA prefix.
- LAN IPv6 ULA** Displays the LAN's IPv6 ULA.



Internet - VLAN

In the Settings menu on the bar at the top of the page, click **Internet** to see the Internet configuration options for the IPv4 connection details, then click the **VLAN** link to access the configuration options for the VLAN connection details.

VLAN allows for services such as Triple-Play to be used, and divides a network into segments that can only be accessed by other devices in the same VLAN.

To configure the IPv4 Internet and network connection details, click the **IPv4** link. Refer to **Internet - IPv4** on page **27**

To configure the IPv6 Internet and network connection details, click the **IPv6** link. Refer to **Internet - IPv6** on page **37**

Click **Save** at any time to save the changes you have made on this page.

Status Click to enable or disable the Triple-Play VLAN feature. More configuration options will be available if the Status is enabled.



If Triple-Play Status is **Enabled**:

Priority ID Enable or disable traffic priority ID for the Internet, IPTV, and VoIP VLANs. If Priority ID is enabled, Priority ID options are available for configuration. Select a priority ID from the drop-down menus to assign to the corresponding VLAN. Higher priority ID traffic takes precedence over traffic with a low priority ID tag.

VLAN TAG Enable VLAN TAG to enter VLAN ID, as provided by your ISP

Internet VLAN ID Enter the VLAN ID for your Internet connection, as provided by your ISP.

IPTV VLAN ID Enter the VLAN ID for your IPTV service, as provided by your ISP.

VOIP VLAN ID Enter the VLAN ID for your VoIP network, as provided by your ISP.

Interface Traffic Type Setting

LAN Port 1-4 From the drop-down menu, you can select the type of connection (Internet, IPTV, or Voice over IP) coming from the WAN connection to each interface on the router.



Wireless

In the Settings menu on the bar at the top of the page, click **Wireless** to see your wireless network settings for your DIR-X3260.

Click **Save** at any time to save the changes you have made on this page.

Smart Connect

Status

Enable or disable the Smart Connect Feature. When enabled, only a few configuration options are available to simplify configuration.

If Smart Connect is Status is **Enabled**:

Wireless

- Wi-Fi Name (SSID)

Create a name for your wireless network using up to 32 characters.
- Password

Create a password to use for wireless security. Wireless clients will need to enter this password to successfully connect to the network.



Wireless - Advanced Settings...

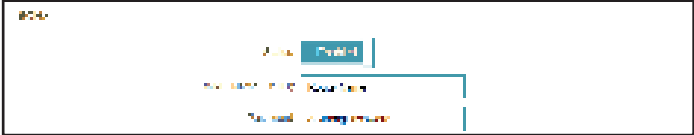
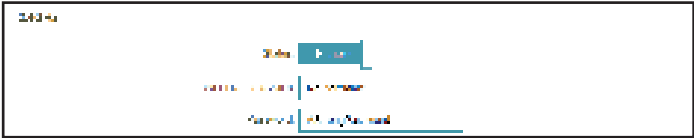
- Security Mode** Choose **None** or **WPA/WPA2-Personal** (recommended).
- DFS Channel** DFS enables you to use more channels to help find one with the least interference. However, please note that when using DFS, the router must scan for radar signals for a minute before using a channel, and will change channels automatically if radar signals are detected.
- Transmission Power** Select the desired wireless transmission power.
- Schedule** Use the drop-down menu to select the time schedule that the rule will be enabled for. The schedule may be set to Always Enable, or you can create your own schedules in the Schedules section. Refer to **Time & Schedule - Schedule** on page **81** for more information.



Smart Connect	
Status	Enable or disable the Smart Connect Feature. When disabled, 2.4GHz and 5GHz configuration options become available.

If Smart Connect is Status is **Disabled**:

2.4GHz / 5GHz	
Status	Enable or disable the 2.4GHz / 5GHz wireless network.
Wi-Fi Name (SSID)	Create a name for your wireless network using up to 32 characters.
Password	Create a password to use for wireless security. Wireless clients will need to enter this password to successfully connect to the network.



2.4GHz - Advanced Settings...

- Security Mode

Choose **None** or **WPA/WPA2-Personal** (recommended).
- 802.11 Mode (2.4GHz)

Select the desired wireless networking standards to use. The available options for the 2.4 GHz wireless network are **Mixed 802.11b/g/n**, **Mixed 802.11g/n**, or **802.11n only**.
- Wi-Fi Channel

Select the desired channel. The default is **Auto** (recommended).
- Transmission Power

Select the desired wireless transmission power.
- Channel Width (2.4GHz)

Select **Auto 20/40** if you are using both 802.11n and non-802.11n devices, or select **20 MHz** if you are not using any 802.11n devices.
- HT20/40 Coexistence (2.4GHz)

Enable or disable HT20/40 Coexistence.
- Visibility Status

The default setting is **Visible**. Select **Invisible** if you do not want to broadcast the SSID of your wireless network.
- Schedule

Use the drop-down menu to select the time schedule that the rule will be enabled for. The schedule may be set to **Always Enable**, or you can create your own schedules in the **Schedules** section. Refer to **Time & Schedule - Schedule** on page **81** for more information.



5GHz - Advanced Settings...

- Security Mode

Choose **None** or **WPA/WPA2-Personal** (recommended).
- 802.11 Mode (5GHz)

Select the desired wireless networking standards to use. The available options for the 5 GHz wireless network are **Mixed 802.11a/n/ac/ax**, **Mixed 802.11a/n/ac**, **Mixed 802.11n/ac**, **Mixed 802.11a/n**, **802.11ac only**, **Mixed 802.11a only**, or **802.11n only**.
- Wi-Fi Channel

Select the desired channel. The default is **Auto** (recommended).
- DFS Channel

DFS enables you to use more channels to help find one with the least interference. However, please note that when using DFS, the router must scan for radar signals for a minute before using a channel, and will change channels automatically if radar signals are detected.
- Transmission Power

Select the desired wireless transmission power.
- Channel Width (5GHz)

Select **Auto 20/40/80** if you are using 802.11ac, 802.11n, and 802.11a devices, select **Auto 20/40** if you are using 802.11n and 802.11a devices, or select **20 MHz** if you are using 802.11a devices.
- Visibility Status

The default setting is **Visible**. Select **Invisible** if you do not want to broadcast the SSID of your wireless network.
- Schedule

Use the drop-down menu to select the time schedule that the rule will be enabled for. The schedule may be set to **Always Enable**, or you can create your own schedules in the **Schedules** section. Refer to **Time & Schedule - Schedule** on page **81** for more information.



Wi-Fi Protected Setup

The easiest way to connect your wireless devices to the router is with Wi-Fi Protected Setup (WPS).

WPS-PBC Status Enable or disable WPS-PBC (Push Button Configuration) functionality.



Guest Zone

In the Settings menu on the bar at the top of the page, click **Wireless** to see your wireless network settings for your DIR-X3260. Then click the link to **Guest Zone** to configure your guest zone settings.

The **Guest Zone** feature will allow you to create temporary zones that can be used by guests to access the Internet. These zones will be separate from your main wireless network. You may configure different zones for the 2.4 GHz and 5 GHz wireless bands.

Click **Save** at any time to save the changes you have made on this page.

If Smart Connect is Status is **Enabled** in the previous Wireless settings:

Wireless	
Status	Enable or disable the Guest Zone feature. The status is disabled by default.
Wireless Name (SSID)	Create a name for your wireless network using up to 32 characters.
Password	Create a password to use for wireless security.
Schedule	Use the drop-down menu to select the time schedule that the rule will be enabled for. The schedule may be set to Always Enable , or you can create your own schedules in the Schedules section. Refer to Time & Schedule - Schedule on page 81 for more information.



Home Network Access	
Internet Access Only	Enabling this option will confine connectivity to the Internet, preventing guests from accessing other local network devices.

Network

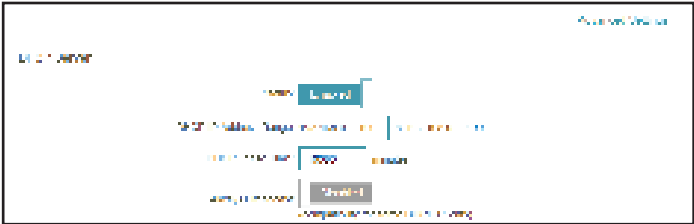
In the Settings menu on the bar at the top of the page, click **Network** to change the local network settings of the router and to configure the DHCP settings.

Click **Save** at any time to save the changes you have made on this page.

Network Settings	
LAN IP Address	Enter the IP address of the router. The default IP address is 192.168.0.1 . If you change the IP address, once you click Save , 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 of the router. The default subnet mask is 255.255.255.0 .
Management Link	The default address to access the router's configuration is http://dlinkrouter.local/ . You can replace dlinkrouter with a name of your choice.
Local Domain Name	Enter the domain name (optional).
Enable DNS Relay	Disable to transfer the DNS server information from your ISP to your computers. If enabled, your computers will use the router for a DNS server.



DHCP Server	
Status	Enable or disable the DHCP server.
DHCP IP Address Range	Enter the starting and ending IP addresses for the DHCP server's IP assignment. Note: <i>If you statically 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.</i>
DHCP Lease Time	Enter the length of time for the IP address lease in minutes.
Always Broadcast	Enable this feature to broadcast your network's DHCP server to LAN/WLAN clients.

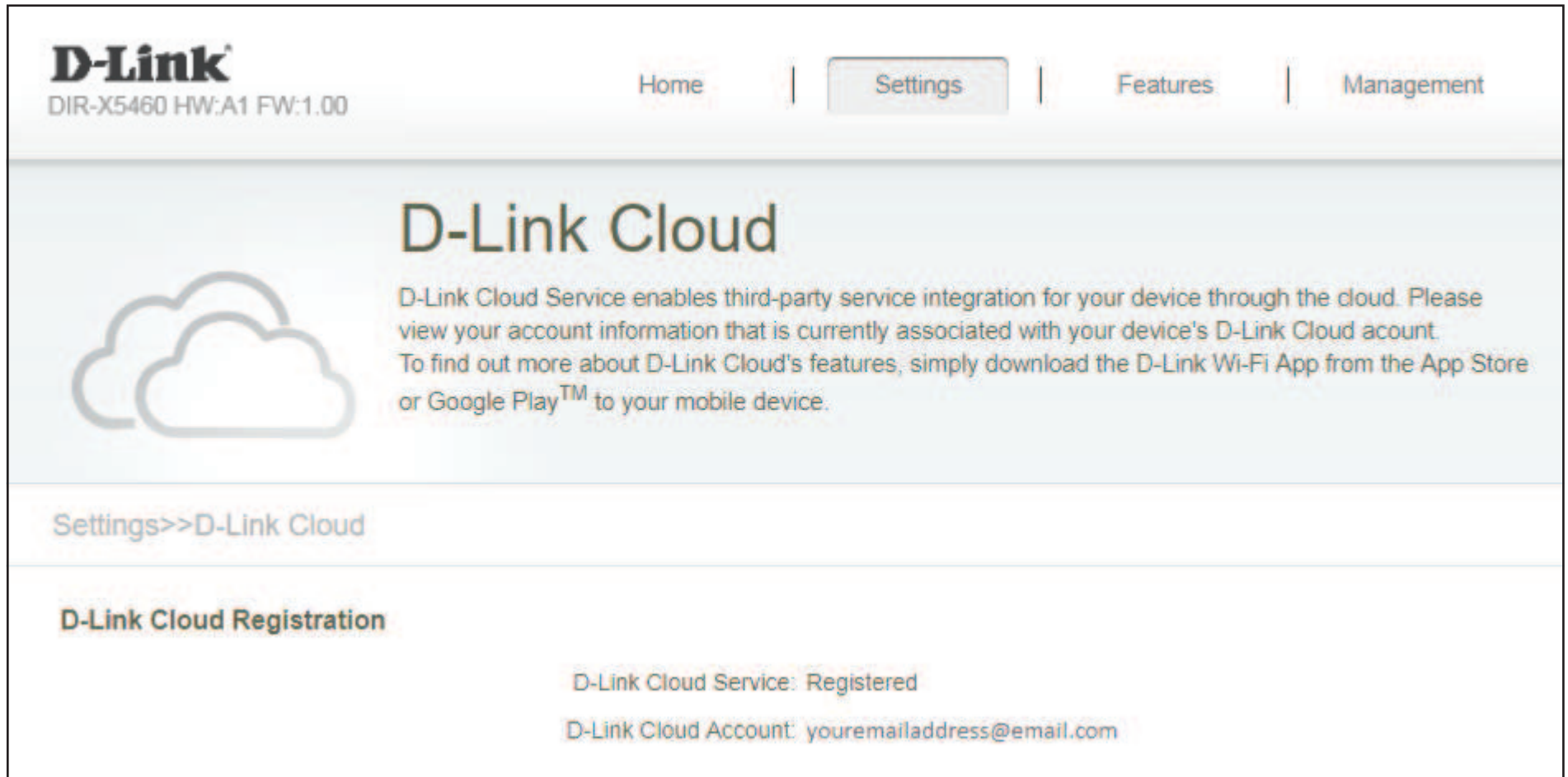


Advanced Settings...	
WAN Port Speed	You may set the port speed of the Internet port to 10 Mbps , 100 Mbps , 1000 Mbps , or Auto (recommended).
UPnP	Enable or disable Universal Plug and Play (UPnP). UPnP provides compatibility with networking equipment, software, and peripherals.
IPv4 Multicast Streams	Enable to allow IPv4 multicast traffic to pass through the router from the Internet. This is enabled by default.
IPv6 Multicast Streams	Enable to allow IPv6 multicast traffic to pass through the router from the Internet. This is enabled by default.



D-Link Cloud

In the Settings menu on the bar at the top of the page, click **D-Link Cloud** to see your D-Link Cloud Service details. This page lists whether you are registered with D-Link Cloud Service and email address associated with the account. Use the D-Link Wi-Fi app to find out more about D-Link Cloud's features.



Features

QoS Engine

In the Features menu on the bar at the top of the page, click **QoS Engine** to configure connected clients Internet access priority.

Click **Save** at any time to save the changes you have made on this page.

Management Type Use the drop-down menu to select the Management Type that the rule will be enabled for. This may be set to **Off** or **Manage By Device**.

Download Speed (Mbps) Set the download speed based on your ISP subscription plan in order to adjust the QoS engine.

Upload Speed (Mbps) Set the upload speed based on your ISP subscription plan in order to adjust the QoS engine.



This **Quality of Service (QoS) Engine** will allow you to prioritize particular clients over others, so that those clients receive higher bandwidth. For example, if one client is streaming a movie and another is downloading a non-urgent file, you might wish to assign the former device a higher priority than the latter so that the movie streaming is not disrupted by the traffic of the other devices on the network.

Under **Connected Clients**, you will see device cards representing each connected client. If some are off-screen, you can use the < and > buttons to scroll through the cards.

A maximum of **one** device can be assigned **Highest** priority.

A maximum of **two** devices can be assigned **High** priority.

A maximum of **eight** devices can be assigned **Medium** priority.

If no devices are explicitly assigned a priority, they will all be treated with equal priority. If some devices are not assigned a priority and others are, the unassigned devices will be treated with the lowest priority.

To assign a priority level to a device, drag the device card from the All Devices list over an empty slot and release the mouse button. The card will remain in the slot. If you want to remove a priority assignment from a device and return it to the All Devices list, click the cross icon in the top right of the device card.



Firewall Settings - Advanced

In the Features menu on the bar at the top of the page, click **Firewall** to configure the router's firewall settings. The firewall feature protects your network from malicious attacks over the Internet.

To configure the IPv4 firewall rules, click the **IPv4 Rules** link. Refer to **Firewall Settings - IPv4/IPv6 Rules** on page 68

To configure the IPv6 firewall rules, click the **IPv6 Rules** link. Refer to **Firewall Settings - IPv4/IPv6 Rules** on page 68

Click **Save** at any time to save the changes you have made on this page.

Enable DMZ Enable or disable Demilitarized Zone (DMZ). This completely exposes the client to threats over the Internet, and is not recommended in ordinary situations.

DMZ IP Address If you enabled DMZ, enter the IP address of the client you wish to expose, or use the drop-down menu to quickly select it.

Enable SPI IPv4 Enabling Stateful Packet Inspection (SPI) helps to prevent cyber attacks by validating that the traffic passing through the session conforms to the protocol.

Enable Anti-spoof Checking Enable this feature to help protect your network from certain kinds of "spoofing" attacks.

IPv6 Simple Security Enable or disable IPv6 simple security.

IPv6 Ingress Filtering Enable or disable IPv6 ingress filtering.



Advanced Settings... - Application Level Gateway (ALG) Configuration

- PPTP** Allows multiple machines on the LAN to connect to their corporate network using the PPTP protocol.
- IPSec (VPN)** Allows multiple VPN clients to connect to their corporate network using IPSec. Some VPN clients support traversal of IPSec through NAT. This Application Level Gateway (ALG) may interfere with the operation of such VPN clients. If you are having trouble connecting with your corporate network, try turning this ALG off. Please check with the system administrator of your corporate network whether your VPN client supports NAT traversal.
- RTSP** Allows applications that uses Real Time Streaming Protocol (RTSP) to receive streaming media from the Internet.
- SIP** Allows devices and applications using VoIP (Voice over IP) to communicate across NAT. Some VoIP applications and devices have the ability to discover NAT devices and work around them. This ALG may interfere with the operation of such devices. If you are having trouble making VoIP calls, try turning this ALG off.



Firewall Settings - IPv4/IPv6 Rules

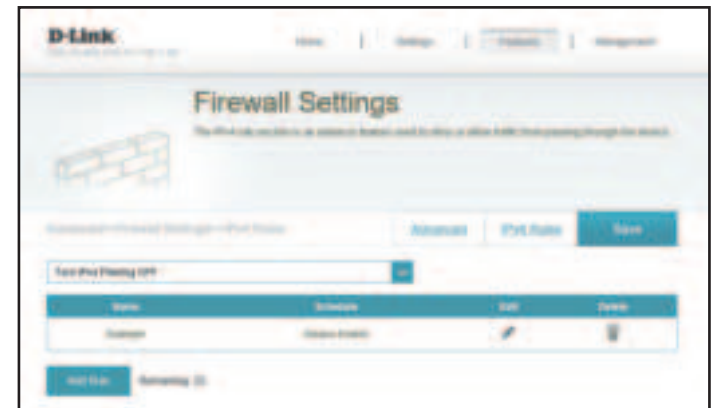
In the Features menu on the bar at the top of the page, click **Firewall** to configure the router's firewall settings, then click the **IPv4 Rules** link or the **IPv6 Rules** link to configure what kind of traffic is allowed to pass through the network.

To configure the Firewall Advanced settings, click the **Advanced** link. Refer to **Firewall Settings - Advanced** on page 66

Click **Save** at any time to save the changes you have made on this page.

To begin, use the drop-down menu to select whether you want to **ALLOW** or **DENY** the rules you create. You can also choose to turn filtering **OFF**.

If you wish to remove a rule, click on the trash can icon in the Delete column. If you wish to edit a rule, click on the pencil icon in the Edit column. If you wish to create a new rule, click the **Add Rule** button.



If you clicked on **Edit** or **Add Rule**, the following options will appear:

- Name**

Enter a name for the rule.
- Source IP Address Range**

Enter the source IP address range that the rule will apply to. Using the drop-down menu, specify whether it is a **WAN** or **LAN** IP address.
- Destination IP Address Range**

Enter the destination IP address range that the rule will apply to. Using the drop-down menu, specify whether it is a **WAN** or **LAN** IP address.
- Protocol & Port Range**

Select the protocol of the traffic to allow or deny (**Any**, **TCP**, or **UDP**) and then enter the range of ports that the rule will apply to.
- Schedule**

Use the drop-down menu to select the time schedule that the rule will be enabled for. The schedule may be set to **Always Enable**, or you can create your own schedules in the **Schedules** section. Refer to **Time & Schedule - Schedule** on page **81** for more information.

The screenshot shows a 'Create New Rule' dialog box with the following fields and options:

- Name:** A text input field.
- Source IP Address Range:** A dropdown menu with 'WAN' selected, followed by a text input field.
- Destination IP Address Range:** A dropdown menu with 'LAN' selected, followed by a text input field.
- Protocol & Port Range:** A dropdown menu with 'TCP' selected, followed by a text input field.
- Schedule:** A dropdown menu with 'Always Enable' selected.
- Apply:** A blue button at the bottom.

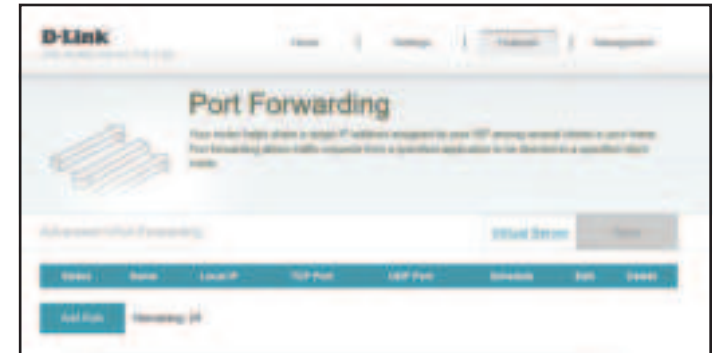
Port Forwarding

In the Features menu on the bar at the top of the page, click **Port Forwarding** to specify a port or range of ports to open for specific devices on the network. This might be necessary for certain applications to connect through the router.

To configure the Virtual Server settings, click the **Virtual Server** link. Refer to **Port Forwarding - Virtual Server** on page 72

Click **Save** at any time to save the changes you have made on this page.

If you wish to remove a rule, click on the trash can icon in the Delete column. If you wish to edit a rule, click on the pencil icon in the Edit column. If you wish to create a new rule, click the **Add Rule** button.



If you clicked on **Edit** or **Add Rule**, the following options will appear:

- Name** Enter a name for the rule.
- Local IP** Enter the IP address of the computer on your local network that you want to allow the incoming service to. Alternatively, select the device from the drop-down menu.
- TCP Port** Enter the TCP ports that you want to open. You can enter a single port or a range of ports. Separate ports with a comma (for example: 24,1009,3000-4000).
- UDP Port** Enter the UDP ports that you want to open. You can enter a single port or a range of ports. Separate ports with a comma (for example: 24,1009,3000-4000).
- Schedule** Use the drop-down menu to select the time schedule that the rule will be enabled for. The schedule may be set to **Always Enable**, or you can create your own schedules in the **Schedules** section. Refer to **Time & Schedule - Schedule** on page **81** for more information.



The screenshot shows a 'Create New Rule' dialog box with a close button (X) in the top right corner. The form contains the following fields and controls:

- Name:** A text input field.
- Local IP:** A text input field with a dropdown arrow on the right, currently showing 'Computer Name'.
- TCP Port:** A text input field.
- UDP Port:** A text input field.
- Schedule:** A dropdown menu currently set to 'Always Enable'.
- Apply:** A blue button at the bottom right.

Port Forwarding - Virtual Server

In the Features menu on the bar at the top of the page, click **Port Forwarding** then click the **Virtual Server** link to configure its settings and specify a single public port on your router for redirection to an internal LAN IP address and Private LAN port. This might be necessary for certain applications to connect through the router.

To configure the Port Forwarding settings, click the **Port Forwarding** link. Refer to **Port Forwarding** on page 70

Click **Save** at any time to save the changes you have made on this page.

If you wish to remove a rule, click on the trash can icon in the Delete column. If you wish to edit a rule, click on the pencil icon in the Edit column. If you wish to create a new rule, click the **Add Rule** button.



If you clicked on **Edit** or **Add Rule**, the following options will appear:

- Name** Enter a name for the rule. Alternatively, select the protocol/ Application Name from the drop-down menu.
- Local IP** Enter the IP address of the computer on your local network that you want to allow the incoming service to. Alternatively, select the device from the drop-down menu.
- Protocol** Select the protocol of the traffic to allow or deny (**TCP, UDP, Both, or Other**).
- Protocol Number** If you entered **Other** above, enter the protocol number.
- External Port** Enter the public port you want to open.
- Internal Port** Enter the private port you want to open.
- Schedule** Use the drop-down menu to select the time schedule that the rule will be enabled for. The schedule may be set to **Always Enable**, or you can create your own schedules in the **Schedules** section. Refer to **Time & Schedule - Schedule** on page **81** for more information.

Website Filter

In the Features menu on the bar at the top of the page, click **Website Filter**. The website filters feature allows rules to be set that restrict access to a specified web address (URL) or blocks specified keywords in the URL. You can use Website Filter to restrict access to potentially harmful and inappropriate websites.

Click **Save** at any time to save the changes you have made on this page.

To begin, use the drop-down menu to select whether you want to **ALLOW** or **DENY** the access to the listed sites.

If you wish to remove a Website URL/Domain, click on the trash can icon in the Delete column. If you wish to list a new site to allow or deny access to, click the **Add Rule** button.



Static Route - IPv4

In the Features menu on the bar at the top of the page, click **Static Route** to define custom routes, controlling how data traffic is moved around your network.

To configure the Static Route IPv6 settings, click the **IPv6** link. Refer to **Static Route - IPv6** on page 76

Click **Save** at any time to save the changes you have made on this page.

If you wish to remove a route, click on the trash can icon in the Delete column. If you wish to edit a route, click on the pencil icon in the Edit column. If you wish to create a new route, click the **Add Route** button.



If you clicked on **Edit** or **Add Rule**, the following options will appear:

- Name** Enter a name for the rule.
- Destination Network** Enter the IP address of packets that will take this route.
- Mask** Enter the subnet mask of the route.
- Gateway** Enter your next hop gateway to be taken when this route is used.
- Metric** Enter a route metric value ranging from **0** to **15**. This value indicates the cost of using this route.
- Interface** Select the interface that the IP packet must use to transit out of the router when this route is used.

