



EXO | AX
NEXT GENERATION

AX1800 Mesh Wi-Fi 6 Router



DIR-X1870
User Manual

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

Revision	Date	Description
1.00	November 06, 2020	Initial release

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Power Usage

ErP Power Usage

This device is an Energy Related Product (ErP) that automatically switches to a power-saving Network Standby mode within 1 minute of no packets being transmitted. If it is not needed during certain periods of time, it can be unplugged to save energy.

Network Standby: 2.88 watts

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Package Contents



DIR-X1870



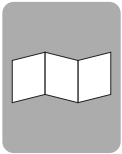
Power adapter



Ethernet Cable



Quick Installation Card



Quick Installation Guide

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

System Requirements

Network Requirements	• An Ethernet-based cable or DSL modem • IEEE 802.11ax/ac/n/g/b/a wireless clients • 10/100/1000 Mbps Ethernet
Web-based Configuration Utility Requirements	Computer with the following: • Windows, Macintosh, or Linux-based operating system • An installed Ethernet adapter or Wi-Fi interface Browser requirements: • Internet Explorer 10 or higher • Firefox 28 or higher • Safari 6 or higher • Chrome 28 or higher
D-Link Wi-Fi App Requirements	• iOS® or Android™ device (Please refer to the app's store page to check whether your device is compatible.)

Introduction

Why do you need Wi-Fi 6 (11ax)? Because your smart home isn't reaching the limits of its potential. The most common Wi-Fi standards in use today simply aren't built to support multiple personal devices and smart home gadgets running simultaneously 24/7. The DIR-X1870 AX1800 Mesh Wi-Fi 6 Router brings next-generation Wi-Fi technology into your home, giving you the quantum leap in capacity and bandwidth to support more devices at once. By combining high-speed 802.11ax Wi-Fi with dual-band technology and Gigabit Ethernet ports, the DIR-X1870 provides a seamless networking experience with a high degree of convenience and flexibility.

Mind-Blowing Speed and Range

The DIR-X1870 AX1800 Mesh Wi-Fi 6 Router brings a host of new technologies to create the best wireless networking experience to date. Unlike the existing 11ac wireless standard that operates only in the 5 GHz range, Wi-Fi 6 fully utilizes both 2.4 GHz and 5 GHz bands. It also comes with 1024 QAM to boost throughput to devices by up to 25%, and 80 MHz contiguous channel width for even more bandwidth. All this adds up to fast combined speeds of up to 1800 Mbps (1,201 Mbps + 574 Mbps). Built-in Power Amplifiers and beamforming extend the reach of your Wi-Fi and direct the signals where they need to go. Wi-Fi 6 lets you unleash all that lightning-fast Wi-Fi over larger areas from your bedroom and bathroom all the way to the basement and the backyard.

Made for Smart Home

The DIR-X1870 upgrades your network to the latest Wi-Fi 6 wireless technology which supports dual-band Wi-Fi with up to 4 simultaneous streams, handling all the connected devices you throw at it at the same time with ease. Enjoy simultaneous throughput to multiple devices for seamless high definition streaming media, VR gaming, and cloud storage. In addition, the DIR-X1870 future proofs your Internet as it utilizes a 10/100/1000 Mbps Gigabit Ethernet WAN port. The built-in Quality of Service (QoS) engine allows you to prioritize traffic to your preferred client, ensuring that your favorite devices are receiving optimal bandwidth.

Exceptional Capacity

If you thought Wi-Fi utilizing MU-MIMO was cool, wait until you meet Orthogonal Frequency Division Multiple Access (OFDMA). It's a signature technology in Wi-Fi 6 that splits a channel into four sub-channels. The result? Signals from multiple devices get transmitted together in one shot and never have to queue up again. Get an incredible 4x boost in your bandwidth capacity perfect for smart homes filled with bandwidth-hungry IoT devices threatening to devour your Wi-Fi capacity.

Unprecedented Network Efficiency

There's nothing worse than inefficient Wi-Fi putting a damper on your network experience. In environments with multiple routers or access points, BSS Coloring makes transmissions more unique by 'coloring' them with their own unique code, resulting in less interference and more range in congested Wi-Fi environments. Target Wake Time (TWT) efficiently schedules transmissions for client devices, meaning they know when to be ready for data and when to take a break, increasing your device's battery life. With the DIR-X1870, give your smart home the network efficiency boost it deserves.

Easy to Setup 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 compatible iOS or Android device and follow the on-screen step-by-step instructions to set up your DIR-X1870. You also have the option to use a web browser to access the setup wizard and manage your router. In addition, access control features allow you to restrict access to your network, giving you greater control over network users. The DIR-X1870 even integrates voice assistant compatibility for Amazon Alexa and the Google Assistant so you can control your network with voice commands.

Always Up-to-Date with the Latest Features

Tired of having to check the website or going to the DIR-X1870's UI manually to check for the latest firmware updates? The DIR-X1870 will automatically check for updates on a daily basis to make sure that the device always has the latest features and installs updates silently in the background. For an extra peace of mind, in the event of failure during an automatic or manual firmware upgrade, the router will store a backup system image in the memory beforehand.

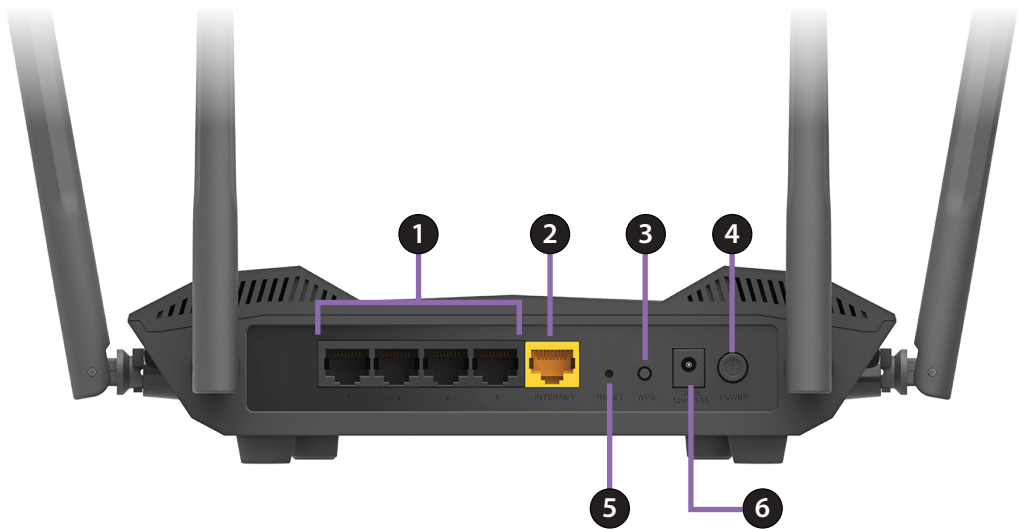
Hardware Overview

DIR-X1870 LED Indicator



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.

DIR-X1870 Rear



1	Gigabit LAN Ports (1- 4)	Connect Ethernet devices such as computers, switches, storage (NAS) devices, and game consoles.
2	Gigabit WAN Port	Using an Ethernet cable, connect your broadband modem to this port.
3	WPS	Press this button to establish an instant connection to a wireless client using Wi-Fi Protected Setup (WPS).
4	Power Button	Press the power button to power the device on or off.
5	Reset	Press and hold to perform a factory reset.
6	Power Connector	Connect the included power adapter here to power on the device.

Hardware Setup

Using the D-Link Wi-Fi App

The D-Link Wi-Fi app allows you to install and configure your device from a 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

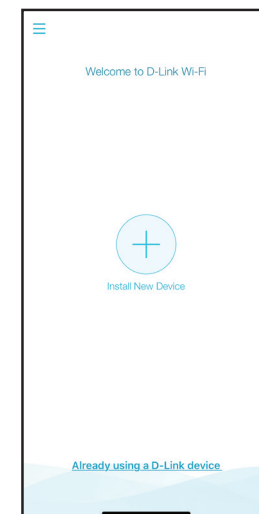
Launch the D-Link Wi-Fi app from the home screen of your device.



D-Link Wi-Fi

Step 3

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



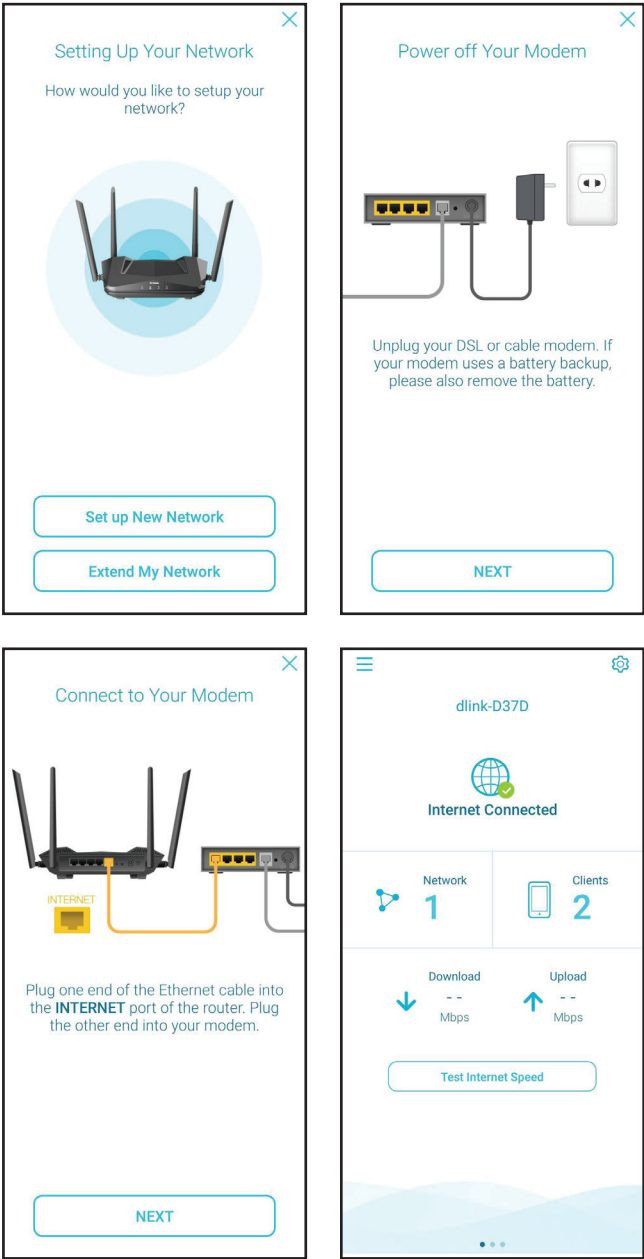
Step 4

Tap **Yes** to scan the setup QR code located in the Quick Install Card and proceed to step 6. Alternatively, you can tap **No** to proceed to step 5.



Step 5

Select your device and tap **Next** to continue. You will now be guided through a step-by-step process for setting up your product. Simply follow the on-screen instructions to complete the installation and the configuration process.

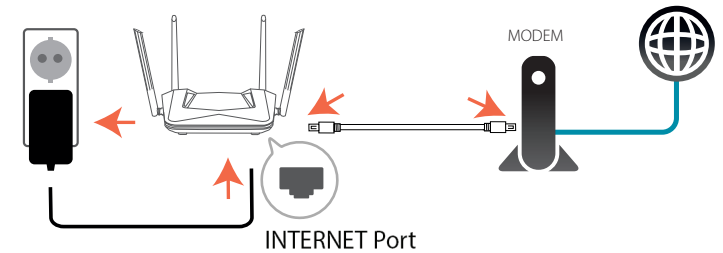


Web Based Installation

If you do not wish to use the D-Link Wi-Fi app, you can manually set up your device and configure your Wi-Fi network using the web-based user interface.

Step 1

Position the DIR-X1870 close to your Internet-connected modem and connect an Ethernet cable to the modem and to the WAN port of the DIR-X1870. Next, connect the power adapter and plug the DIR-X1870 into a power outlet.



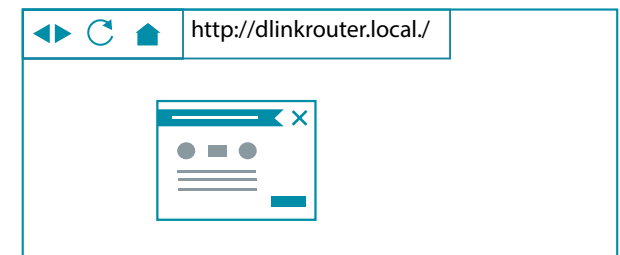
Step 2

Wait for the DIR-X1870 to boot up. When the wireless LEDs are solidly lit, wirelessly connect your computer to the Wi-Fi name (SSID) printed on the bottom of the device, or on the included Quick Install Card.



Step 3

Type **http://dlinkrouter.local/** into a web browser and follow the on-screen instructions to complete the setup.



Your device is now set up and ready to use. You can now configure your DIR-X1870 Wi-Fi settings using the free D-Link Wi-Fi mobile app or the web-based user interface. Refer to the **Configuration** section on page **page 11** for more information on configuring your network using the web-based user interface.

Configuration

Accessing the Web User Interface

You can access the web-based user interface using one of the following web browsers:

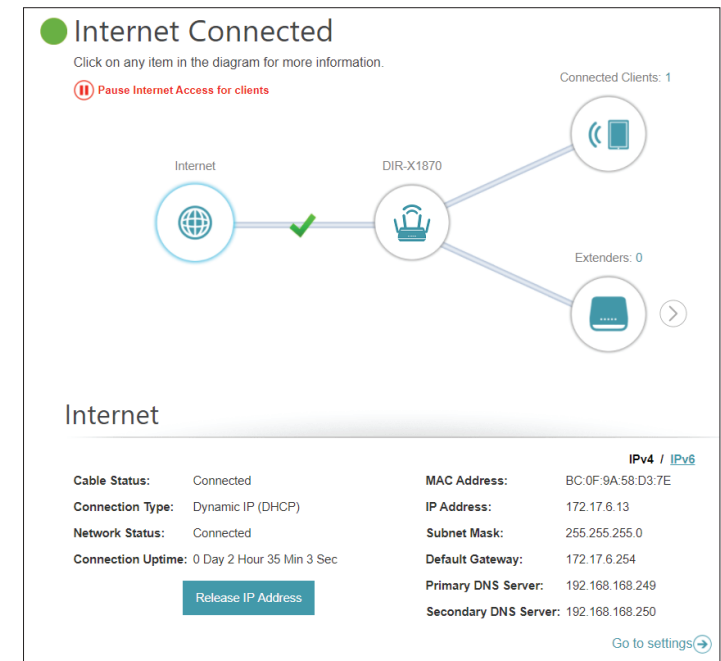
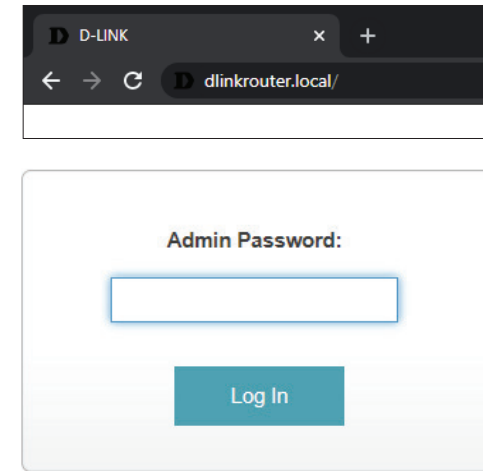
- Internet Explorer 10 or higher
- Firefox 28 or higher
- Safari 6 or higher
- Chrome 28 or higher

1. Open a web browser.
2. Type **http://dlinkrouter.local/** in the address bar.
3. Specify the admin password.

- If this is the first logging in, the password is "**password**"
- If you have previously configured the device with the Setup Wizard, use the password you created during initial setup

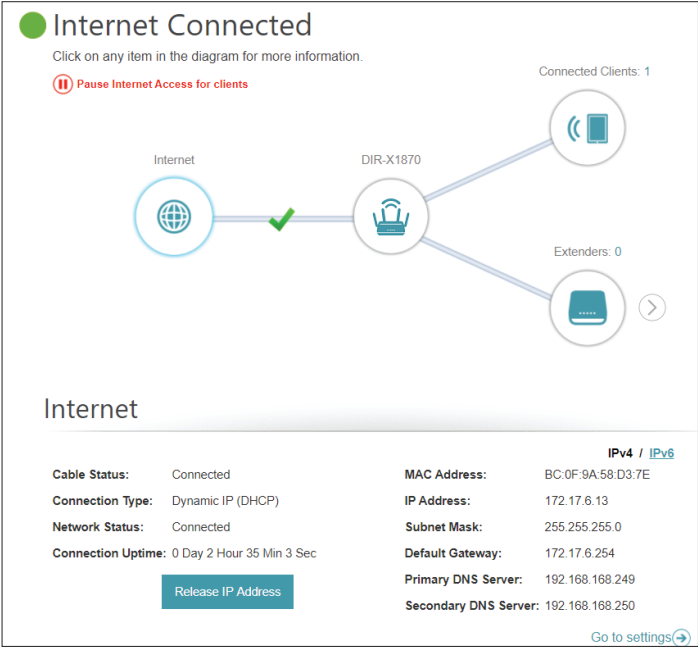
4. Click **Log In**.

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



Home

The Home page displays the current status of your Wi-Fi network 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. Refer to the following pages for a description of each section.



Internet

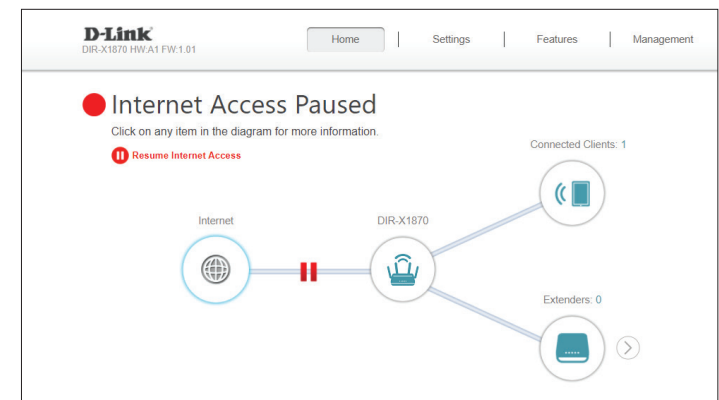
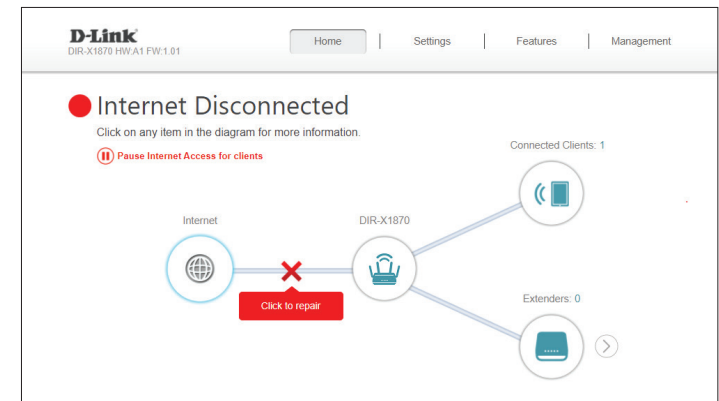
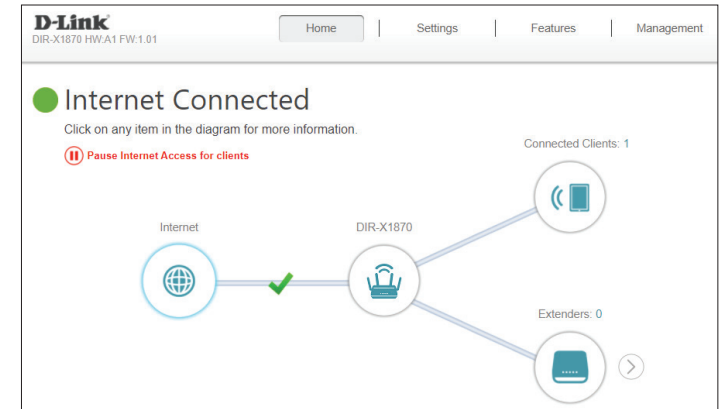
Click on the **Internet** icon to bring up more details about your Internet connection. Click **IPv4** or **IPv6** to see details of the IPv4 and IPv6 connection respectively.

The Home page displays whether or not the DIR-X1870 is currently connected to the Internet. If it is disconnected, click **Click to repair** to bring up the setup wizard, refer to **Wizard** on page **18** for more information.

Click **Release IP Address** to release the current IP address and disconnect from the Internet. If you wish to reconnect the Internet, click **Renew IP Address**.

Click **Pause Internet Access for clients** to temporarily disconnect the Internet connection, alternatively click **Resume Internet Access** to resume the Internet access if previously paused.

To reconfigure the Internet settings, click **Go to settings** at the bottom-right.



DIR-X1870

Click on the **DIR-X1870** icon to view details about the DIR-X1870's wireless and local network settings. This includes IPv4 and IPv6 local networks, and Wi-Fi information.

This overview is only informational. To configure these sections, refer to the corresponding configuration sections in this manual.



Connected Clients

Click on the **Connected Clients** icon to view details about the clients currently connected to your Wi-Fi network.

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

Name: Displays the name of this client. You can edit the client's name here.

Vendor: Displays the vendor of the device.

MAC Address: Displays the MAC address of the device.

IP Address: Displays the current IP address of this client.

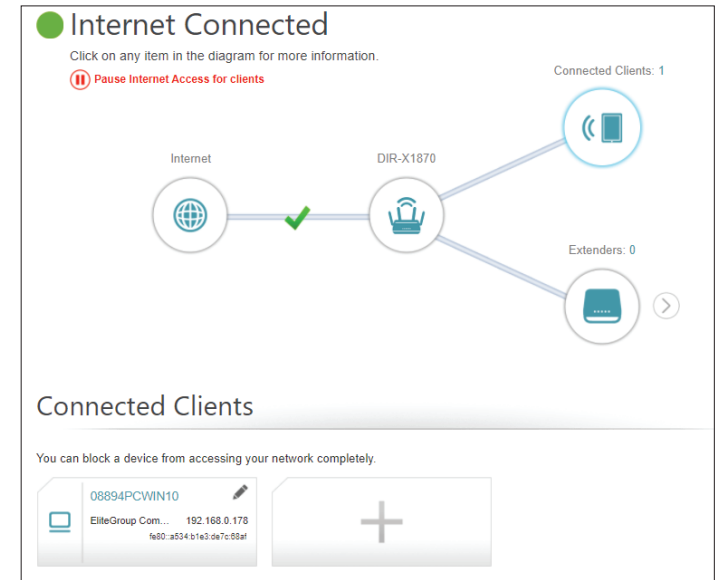
Reserve IP: Enable to reserve an IP address for this client.

IP Address (Reserved): Specify an IP address for the DHCP server to assign to this client.

Parental Control: Enable or disable parental control to allow or block access to the network for this user.

Schedule: If **Parental Control** is enabled, use the drop-down menu to select the time schedule that the rule will be enabled for. The schedule may be set to **Always Off**, or you can create your own schedules in the **Schedule** section. Refer to **Schedule** on page 62 for more information.

Click **Save** when you are done.



The 'Edit Rule' form is displayed. It has a close button (X) in the top right corner. The fields are as follows:

- Name:** 08894PCWIN10
- Vendor:** EliteGroup Computer Systems Co., LTD
- MAC Address:** 94:C6:91:7F:E2:28
- IP Address:** 192.168.0.178
- Reserve IP:** Enabled (toggle switch) Remaining: 24
- IP Address (Reserved):** (empty text box)
- Parental Control:** Enabled (toggle switch)
- Profile:** Always Block (dropdown menu)
- Save** button at the bottom.

Extenders

Click on the **Extenders** icon to view details about all additional devices in your Mesh Wi-Fi network.

To edit an extender's name, click the pencil icon in the top-right of the box of the extender that you want to rename.

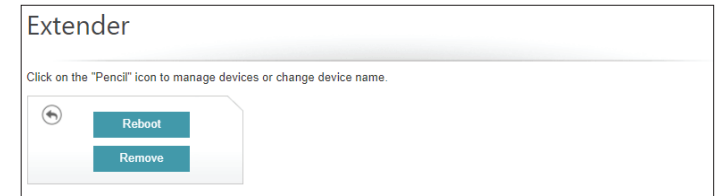
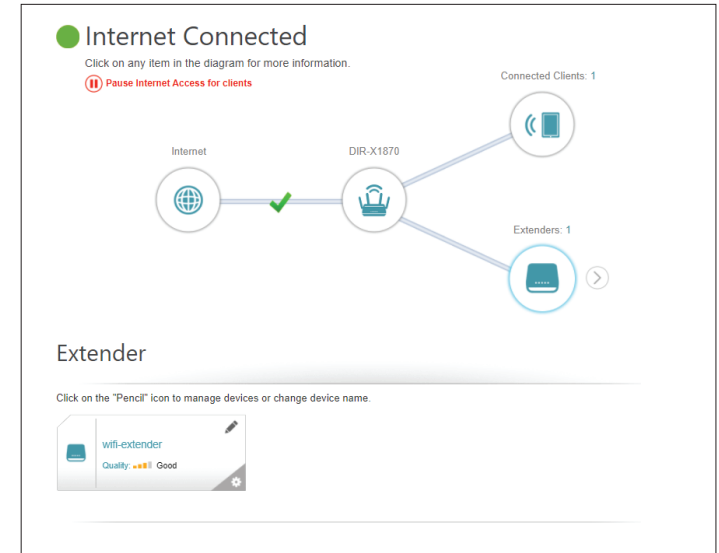
To reboot an extender, click the settings icon in the bottom-right of the extenders's box and click **Reboot**.

To remove an extender from your Mesh Wi-Fi network, click the settings icon in the bottom-right of the extenders's box and click **Remove**.

Name: Enter a name for the DIR-X1870.

MAC Address: Displays the MAC address of the DIR-X1870.

Click **Save** when you are done.



The screenshot shows the 'Edit Name' dialog box. It has a title 'Edit Name' and a close button (X). The form contains a 'Name:' field with the value 'wifi-extender' and a 'MAC Address:' field with the value 'F0:B4:D2:20:B1:66'. Below these fields is a 'Save' button.

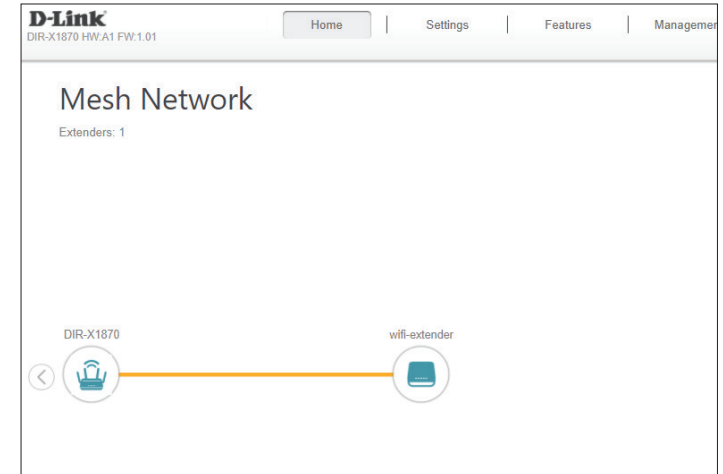
Mesh Network

Click on the **Extenders** icon to view details about all additional devices in your Mesh Wi-Fi network.

To edit an extender's name, click the pencil icon in the top-right of the box of the extender that you want to rename.

To reboot an extender, click the settings icon in the bottom-right of the extenders's box and click **Reboot**.

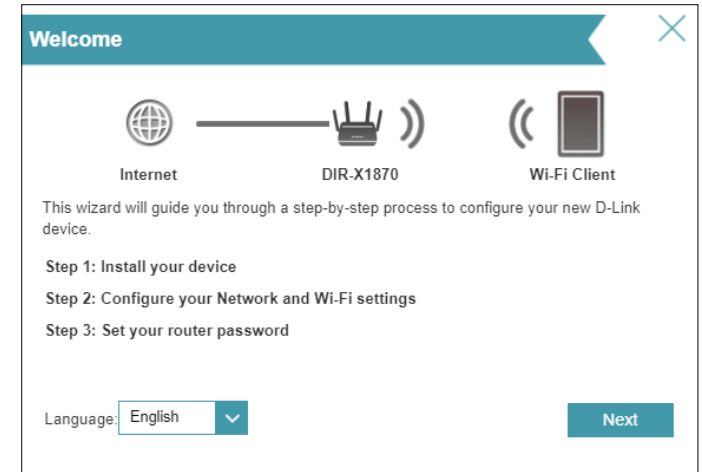
To remove an extender from your Mesh Wi-Fi network, click the settings icon in the bottom-right of the extenders's box and click **Remove**.



Settings Wizard

In the Settings menu on the bar on the top of the page, click **Wizard** to open the setup wizard. This is the same wizard that appears when you set up the device using the web-user interface for the first time.

This Wizard will also launch when clicking the **Click to Repair** button when no Internet connection is detected.



Internet IPv4

In the Settings menu on the bar on the top of the page, click **Internet** to see the Internet configuration options.

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. Click **Advanced Settings...** to expand the list and see all of the options.

For **Dynamic IP (DHCP)** refer to **Dynamic IP (DHCP) on page 20**.

For **Static IP** refer to **Static IP on page 21**.

For **PPPoE** refer to **PPPoE on page 22**.

For **PPTP** refer to **PPTP on page 24**.

For **L2TP** refer to **L2TP on page 26**.

For **DS-Lite** refer to **DS-Lite on page 28**.

To configure an IPv6 connection, click the **IPv6** link. Refer to page **29**.

The screenshot shows the 'Internet' configuration page. At the top, there's a header with a globe icon and the title 'Internet'. Below the header, there's a sub-header 'Settings>>Internet>>IPv4' and three tabs: 'VLAN', 'IPv6', and 'Save'. The main content area has a label 'My Internet Connection is:' followed by a dropdown menu. The dropdown menu is open, showing a list of options: 'Dynamic IP (DHCP)', 'Static IP', 'Dynamic IP (DHCP)', 'PPPoE', 'PPTP', 'L2TP', and 'DS-Lite'. To the right of the dropdown menu, there's a link labeled 'Advanced Settings...'. The background of the page is light blue with a subtle grid pattern.

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.

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 physical interface MAC address of port **1** on the device. You can use the drop-down menu to replace the Internet port's MAC address with the MAC address of a connected client.

Click **Save** when you are done.

D-Link
DIR-X1870 HW/A1 FW:1.01

Home | Settings | Features | Management

Internet

Use this section to configure your Internet Connection type. There are several connection types to choose. If you are unsure of your connection method, please contact your Internet Service Provider. Note: If using the PPPoE option, you will need to remove or disable any PPPoE client software on your computers.

Settings>>Internet>>IPv4

My Internet Connection is: **Dynamic IP (DHCP)**

Advanced Settings...

Host Name:

Primary DNS Server:

Secondary DNS Server:

MTU:

MAC Address Clone:

Static IP

Select **Static IP** if your IP information is provided by your Internet Service Provider (ISP).

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 physical interface MAC address of port **1** on the device. You can use the drop-down menu to replace the Internet port's MAC address with the MAC address of a connected client.

Click **Save** when you are done.

The screenshot shows the D-Link DIR-X1870 web interface. At the top, there's a navigation bar with 'Home', 'Settings', 'Features', and 'Management'. Below this is a header section with the D-Link logo and the title 'Internet'. A sub-header indicates the current path: 'Settings > Internet > IPv4'. There are tabs for 'VLAN', 'IPv6', and 'Save'. The main content area is titled 'My Internet Connection is:' and has a dropdown menu set to 'Static IP'. Below this, there are input fields for 'IP Address', 'Subnet Mask', 'Default Gateway', and 'Primary DNS Server'. A link for 'Advanced Settings...' is visible. Further down, there are input fields for 'Secondary DNS Server', 'MTU' (set to 1500), and 'MAC Address Clone' (with a dropdown menu showing '<< MAC Address').

PPPoE

Select **PPPoE** if your ISP provides and requires you to enter a PPPoE username and password in order to connect to the Internet.

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: Enter a maximum idle time (in minutes) 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**.

If you selected **Dynamic IP** as the Address Mode:

Service Name: Enter the ISP service name (optional).

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.

The screenshot shows the D-Link web interface for the DIR-X1870 router. The 'Internet' configuration page is active, showing settings for a PPPoE connection. The 'My Internet Connection' is set to 'PPPoE'. The 'Reconnect Mode' is set to 'Always on'. The 'Address Mode' is set to 'Dynamic IP'. The 'MTU' is set to 1492. The 'MAC Address Clone' is set to '<< MAC Address'. There are tabs for 'VLAN' and 'IPv6', and a 'Save' button.

PPPoE (continued)

MAC Address Clone: The default MAC address is set to the physical interface MAC address of port **1** on the device. You can use the drop-down menu to replace the Internet port's MAC address with the MAC address of a connected client.

If you selected **Static IP** as the Address Mode:

IP Address: Enter the IP address provided by your ISP.

Service Name: Enter the ISP service name (optional).

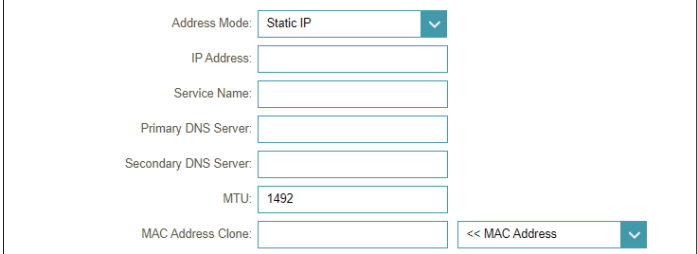
Primary DNS Server: Enter the primary DNS server IP address assigned by your ISP.

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 physical interface MAC address of port **1** on the device. You can use the drop-down menu to replace the Internet port's MAC address with the MAC address of a connected client.

Click **Save** when you are done.



The screenshot displays a configuration form for PPPoE. It includes the following fields and controls:

- Address Mode:** A dropdown menu currently set to "Static IP".
- IP Address:** A text input field.
- Service Name:** A text input field.
- Primary DNS Server:** A text input field.
- Secondary DNS Server:** A text input field.
- MTU:** A text input field with the value "1492" pre-filled.
- MAC Address Clone:** A text input field followed by a dropdown menu showing "<< MAC Address".

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.

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: Enter a maximum idle (in minutes) 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**.

If you selected **Dynamic IP** as the Address Mode:

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.

The screenshot shows the D-Link DIR-X1870 web interface. The top navigation bar includes 'Home', 'Settings', 'Features', and 'Management'. The 'Settings' tab is active, and the 'Internet' sub-tab is selected. The page title is 'Internet'. Below the title, there is a note: 'Use this section to configure your Internet Connection type. There are several connection types to choose. If you are unsure of your connection method, please contact your Internet Service Provider. Note: If using the PPPoE option, you will need to remove or disable any PPPoE client software on your computers.' The 'My Internet Connection is:' dropdown is set to 'PPTP'. Below this, there are input fields for 'PPTP Server', 'Username', and 'Password'. The 'Reconnect Mode' dropdown is set to 'Always on'. At the bottom, there are fields for 'Address Mode' (set to 'Dynamic IP'), 'Primary DNS Server', 'Secondary DNS Server', and 'MTU' (set to '1400'). A 'Save' button is located at the top right of the settings area.

PPTP (continued)

If you selected **Static IP** as the Address Mode:

PPTP IP Address: Enter the IP address provided by your ISP.

PPTP Subnet Mask: Enter the subnet mask provided by your ISP.

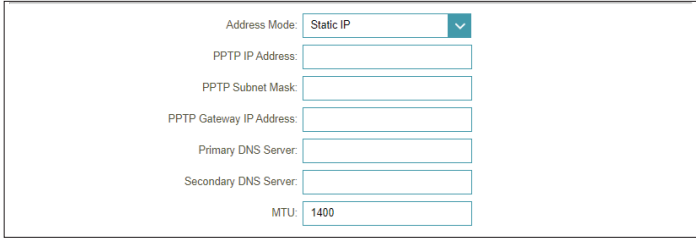
PPTP Gateway IP Address: Enter the gateway IP address provided by your ISP.

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.

Click **Save** when you are done.



The screenshot shows a configuration window with the following fields:

- Address Mode: Static IP (dropdown menu)
- PPTP IP Address: (text input field)
- PPTP Subnet Mask: (text input field)
- PPTP Gateway IP Address: (text input field)
- Primary DNS Server: (text input field)
- Secondary DNS Server: (text input field)
- MTU: 1400 (text input field)

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.

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: Enter a maximum idle (in minutes) 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**.

If you selected **Dynamic IP** as the Address Mode:

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.

The screenshot shows the 'Internet' configuration page. At the top, there's a header 'Internet' with a sub-note: 'Use this section to configure your Internet Connection type. There are several connection types to choose. If you are unsure of your connection method, please contact your Internet Service Provider. Note: If using the PPPoE option, you will need to remove or disable any PPPoE client software on your computers.' Below this is a tabbed interface with 'IPv4', 'VLAN', and 'IPv6' tabs, and a 'Save' button. The 'My Internet Connection is:' dropdown is set to 'L2TP'. Underneath, there are input fields for 'L2TP Server: IP or Domain name', 'Username:', and 'Password:'. The 'Reconnect Mode:' dropdown is set to 'Always on'. To the right of these fields is a link for 'Advanced Settings...'. At the bottom, the 'Address Mode:' dropdown is set to 'Dynamic IP', followed by input fields for 'Primary DNS Server:', 'Secondary DNS Server:', and 'MTU: 1400'.

L2TP (continued)

If you selected **Static IP** as the Address Mode:

L2TP IP Address: Enter the IP address provided by your ISP.

L2TP Subnet Mask: Enter the subnet mask provided by your ISP.

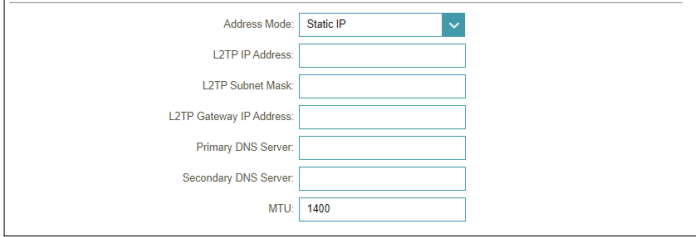
L2TP Gateway IP Address: Enter the gateway IP address provided by your ISP.

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.

Click **Save** when you are done.



The screenshot shows a configuration window with the following fields:

- Address Mode: Static IP (dropdown menu)
- L2TP IP Address: (text input field)
- L2TP Subnet Mask: (text input field)
- L2TP Gateway IP Address: (text input field)
- Primary DNS Server: (text input field)
- Secondary DNS Server: (text input field)
- MTU: 1400 (text input field)

DS-Lite

DS-Lite is an IPv6 connection type. After selecting DS-Lite, the following parameters will be available for configuration:

Advanced Settings

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

If you selected **DS-Lite DHCPv6 Option** as the DS-Lite Configuration:

B4 IPv6 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.

If you selected **Manual Configuration** as the DS-Lite Configuration:

AFTR IPv6 Address: Enter the AFTR IPv6 address used here.

B4 IPv6 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.

Click **Save** when you are done.

D-Link
DIR-X1870 HW: A1 FW: 1.01

Home | Settings | Features | Management

Internet

Use this section to configure your Internet Connection type. There are several connection types to choose. If you are unsure of your connection method, please contact your Internet Service Provider. Note: If using the PPPoE option, you will need to remove or disable any PPPoE client software on your computers.

Settings>>Internet>>IPv4

VLAN | IPv6 | Save

My Internet Connection is: **DS-Lite**

[Advanced Settings...](#)

DS-Lite Configuration: **DS-Lite DHCPv6 Option**

B4 IPv4 Address: 192.0.0.

WAN IPv6 Address: Not Available

IPv6 WAN Default Gateway: Not Available

DS-Lite Configuration: **Manual Configuration**

AFTR IPv6 Address:

B4 IPv4 Address: 192.0.0.

WAN IPv6 Address: Not Available

IPv6 WAN Default Gateway: Not Available

IPv6

To configure an IPv6 connection, click the **IPv6** link. To return to the IPv4 settings, click **IPv4**.

My Internet Connection Is: Choose your IPv6 connection type from the drop-down menu. You will be presented with the appropriate options for your connection type. Click **Advanced Settings...** to expand the list and see all of the options.

For **Static IPv6** refer to page **30**.

For **Auto Configuration (SLAAC/DHCPv6)** refer to page **32**.

For **PPPoE** refer to page **34**.

For **6rd** refer to page **37**.

For **Local Connectivity Only** refer to page **39**.



Static IPv6

Select **Static IP** if your IPv6 information is provided by your Internet Service Provider (ISP).

Use Link-Local Address: Enable or disable link-local address use. Enabling this feature will use your local IPv6 address as the static IP. Disable this feature to manually enter your static IPv6 address and subnet prefix length.

IPv6 Address: If **Use Link-Local Address** is disabled, enter the address supplied by your ISP.

Subnet Prefix Length: If **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 device.

LAN IPv6 Link-Local Address: Displays the DIR-X1870's LAN link-local address.

D-Link
DIR-X1870 HW: A1 FW: 1.01

Home | Settings | Features | Management

IPv6

All of your IPv6 Internet and network connection details are displayed on this page.

Settings>>Internet>>IPv6

VLAN | IPv4 | Save

My Internet Connection is: Static IPv6

Use Link-Local Address: Disabled

IPv6 Address:

Subnet Prefix Length:

Default Gateway:

Primary DNS Server:

Secondary DNS Server:

LAN IPv6 Address Settings

LAN IPv6 Address: /64

LAN IPv6 Link-Local Address: FE80::76DA:DAFF:FED9:1057

[Advanced Settings](#)

Static IPv6 (Continued)

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).

Click **Save** when you are done.

Address Autoconfiguration Settings

Enable Automatic IPv6 Address Assignment:

Enabled

Autoconfiguration Type:

SLAAC+Stateless DHCP

Router Advertisement Lifetime:

30

 minutes

Address Autoconfiguration Settings

Enable Automatic IPv6 Address Assignment:

Enabled

Autoconfiguration Type:

SLAAC+RDNSS

Router Advertisement Lifetime:

30

 minutes

Address Autoconfiguration Settings

Enable Automatic IPv6 Address Assignment:

Enabled

Autoconfiguration Type:

Stateful DHCPv6

IPv6 Address Range (Start):

ffff: 00

IPv6 Address Range (End):

ffff: 00

IPv6 Address Lifetime:

10080

 minutes

Auto Configuration (SLAAC/DHCPv6)

Select **Auto Configuration (SLAAC/DHCPv6)** if your ISP assigns your IPv6 address when your router requests one from the ISP's server. Some ISPs require you to adjust these settings before your router can connect to the IPv6 Internet.

IPv6 DNS Settings

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

If **Use the following DNS address** is selected:

Primary DNS Server: Enter the primary DNS server address.

Secondary DNS Server: 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 DIR-X1870'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 device's LAN link-local address.

Auto Configuration (SLAAC/DHCPv6) (Continued)

Advanced Settings - Address Autoconfiguration Settings

Enable Automatic IPv6 Address Assignment: Enable or disable the Automatic IPv6 Address Assignment feature. Enabling this feature presents additional configuration options.

Enable Automatic DHCP-PD in LAN: Enable or disable DHCP-PD for other IPv6 routers connected to the LAN interface. This option is only available if **Enable DHCP-PD** is enabled.

Note: This feature requires a smaller subnet prefix than /64 (i.e. allowing for a larger address allocation), such as /63. Contact your ISP for more information.

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: If **Enable DHCP-PD** is disabled, enter the IPv6 address lifetime (in minutes).

Click **Save** when you are done.

Address Autoconfiguration Settings

Enable Automatic IPv6 Address Assignment: ☒ Enabled

Enable Automatic DHCP-PD in LAN: ☒ Enabled

Autoconfiguration Type: SLAAC+Stateless DHCP

Router Advertisement Lifetime: 30 minutes

Address Autoconfiguration Settings

Enable Automatic IPv6 Address Assignment: ☒ Enabled

Enable Automatic DHCP-PD in LAN: ☒ Enabled

Autoconfiguration Type: SLAAC+RDNSS

Router Advertisement Lifetime: 30 minutes

Address Autoconfiguration Settings

Enable Automatic IPv6 Address Assignment: ☒ Enabled

Enable Automatic DHCP-PD in LAN: ☒ Enabled

Autoconfiguration Type: Stateful DHCPv6

IPv6 Address Range (Start): ffff::00

IPv6 Address Range (End): ffff::00

Address Autoconfiguration Settings

Enable Automatic IPv6 Address Assignment: ☒ Enabled

Autoconfiguration Type: Stateful DHCPv6

IPv6 Address Range (Start): ffff::00

IPv6 Address Range (End): ffff::00

IPv6 Address Lifetime: 10080 minutes

PPPoE

Select **PPPoE** if your ISP provides and requires you to enter a PPPoE username and password in order to connect to the Internet.

PPPoE Session: Select **Create a new session** to start a new PPPoE session.

Username: Enter the username provided by your ISP.

Password: Enter the password provided by your ISP.

Address Mode: Select **Static IP** if your ISP assigned you an IP address. In most cases, select **Dynamic IP**.

IP Address: If you selected **Static IP** as the Address Mode, 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.

The screenshot shows the D-Link DIR-X1870 IPv6 configuration interface. The page title is "IPv6" with a subtitle "All of your IPv6 Internet and network connection details are displayed on this page." The navigation bar includes "Home", "Settings", "Features", and "Management". The "Settings" tab is active, and the "Internet" section is selected, showing "IPv6" settings. The "My Internet Connection is:" dropdown is set to "PPPoE". The "PPPoE Session:" dropdown is set to "Create a new session". The "Username:" and "Password:" fields are empty. The "Address Mode:" dropdown is set to "Dynamic IP". The "Service Name:" field is empty. The "Reconnect Mode:" dropdown is set to "Always on". The "MTU:" field is set to "1492" bytes. A "Save" button is visible in the top right corner.

PPPoE (Continued)

IPv6 DNS Settings

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

If **Use the following DNS address** is selected:

Primary DNS Server: Enter the primary DNS server address.

Secondary DNS Server: Enter the secondary DNS server address.

IPv6 DNS Settings

DNS Type: Obtain a DNS server address automatically

IPv6 DNS SETTINGS

DNS Type: Use the following DNS address

Primary DNS Server:

Secondary DNS Server:

LAN IPv6 Address Settings

Enable DHCP-PD: Enable or disable prefix delegation services.

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

LAN IPv6 Address Settings

Enable DHCP-PD: Enabled

LAN IPv6 Link-Local Address: FE80::76DA:DAFF:FED9:1057

Advanced Settings...

LAN IPv6 Address Settings

Enable DHCP-PD: Disabled

LAN IPv6 Address: /64

LAN IPv6 Link-Local Address: FE80::76DA:DAFF:FED9:1057

Advanced Settings...

PPPoE (Continued)

Advanced Settings - Address Autoconfiguration Settings

Enable Automatic IPv6 Address Assignment: Enable or disable the Automatic IPv6 Address Assignment feature. Enabling this feature presents additional configuration options.

Enable Automatic DHCP-PD in LAN: Enable or disable DHCP-PD for other IPv6 routers connected to the LAN interface. This option is only available if **Enable DHCP-PD** is enabled.
Note: This feature requires a smaller subnet prefix than /64 (i.e. allowing for a larger address allocation), such as /63. Contact your ISP for more information.

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: If **Enable DHCP-PD** is disabled, enter the IPv6 address lifetime (in minutes).

Click **Save** when you are done.

Address Autoconfiguration Settings

Enable Automatic IPv6 Address Assignment: ☒ Enabled

Enable Automatic DHCP-PD in LAN: ☒ Enabled

Autoconfiguration Type: SLAAC+Stateless DHCP

Router Advertisement Lifetime: 30 minutes

Address Autoconfiguration Settings

Enable Automatic IPv6 Address Assignment: ☒ Enabled

Enable Automatic DHCP-PD in LAN: ☒ Enabled

Autoconfiguration Type: SLAAC+RDNSS

Router Advertisement Lifetime: 30 minutes

Address Autoconfiguration Settings

Enable Automatic IPv6 Address Assignment: ☒ Enabled

Enable Automatic DHCP-PD in LAN: ☒ Enabled

Autoconfiguration Type: SLAAC+RDNSS

Router Advertisement Lifetime: 30 minutes

Address Autoconfiguration Settings

Enable Automatic IPv6 Address Assignment: ☒ Enabled

Autoconfiguration Type: Stateful DHCPv6

IPv6 Address Range (Start): ffff: 00

IPv6 Address Range (End): ffff: 00

IPv6 Address Lifetime: 10080 minutes

6rd

In this section the user can configure the IPv6 **6rd** connection settings.

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 feature 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 choose **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.

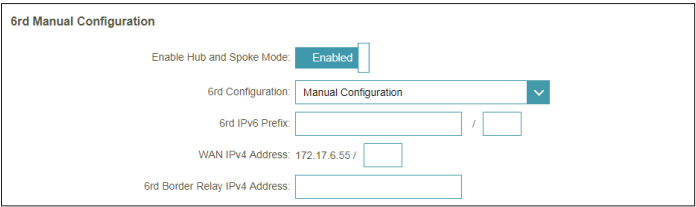
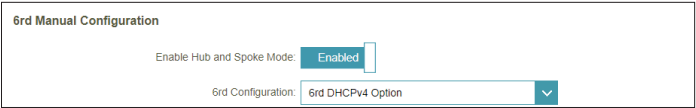
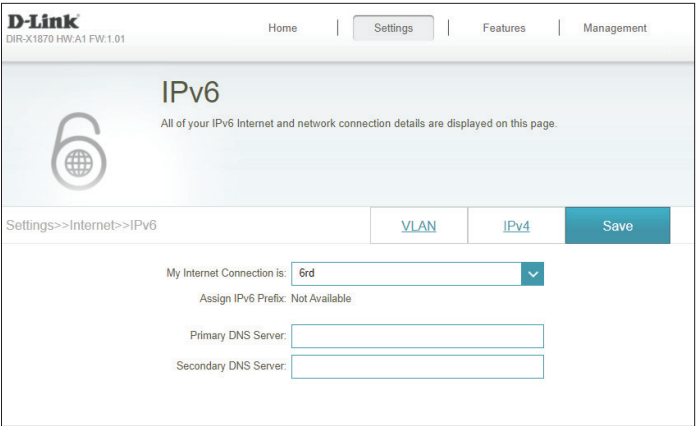
WAN IPv4 Address: Displays the device's IPv4 address.

6rd Border Relay IPv4 Address: Enter the 6rd border relay IPv4 address settings supplied by your ISP.

LAN IPv6 Address Settings

LAN IPv6 Address: Displays the device's LAN IPv6 Address link-local address.

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



6rd (Continued)

Advanced Settings - Address Autoconfiguration Settings

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

Address Autoconfiguration Settings

Enable Automatic IPv6 Address Assignment: ☒

Autoconfiguration Type: SLAAC+Stateless DHCP

Router Advertisement Lifetime: 30 minutes

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).

Address Autoconfiguration Settings

Enable Automatic IPv6 Address Assignment: ☒

Autoconfiguration Type: SLAAC+RDNSS

Router Advertisement Lifetime: 30 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).

Address Autoconfiguration Settings

Enable Automatic IPv6 Address Assignment: ☒

Autoconfiguration Type: Stateful DHCPv6

IPv6 Address Range (Start): ::::: 00

IPv6 Address Range (End): ::::: 00

IPv6 Address Lifetime: 10080 minutes

Click **Save** when you are done.

Local Connectivity Only

Local Connectivity Only allows you to set up an IPv6 connection that will not connect to the Internet.

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.

If you selected **Enable ULA** and disabled **Default ULA Prefix**:

ULA Prefix: Enter your own ULA prefix.

Current IPv6 ULA Settings

Current ULA Prefix: Displays the current ULA prefix.

LAN IPv6 ULA: Displays the LAN's IPv6 ULA.

Click **Save** when you are done.

The screenshot shows the D-Link DIR-X1870 IPv6 settings page. The top navigation bar includes 'Home', 'Settings', 'Features', and 'Management'. The main heading is 'IPv6' with a subtext: 'All of your IPv6 Internet and network connection details are displayed on this page.' Below this, there's a breadcrumb trail 'Settings > Internet > IPv6' and tabs for 'VLAN', 'IPv4', and 'Save'. A dropdown menu for 'My Internet Connection is:' is set to 'Local Connectivity Only'. Under the 'IPv6 ULA SETTINGS' section, 'Enable ULA' is set to 'Enabled' and 'Use Default ULA Prefix' is also set to 'Enabled'. At the bottom, the 'Current IPv6 ULA Settings' section displays 'Current ULA Prefix: fd08:26b9:2481:1::/64' and 'LAN IPv6 ULA: fd08:26b9:2481:1:76DA:DAff:feD9:0F5B/64'.

Wireless Wi-Fi

From this page you can configure your Wi-Fi settings.

Wi-Fi Mesh

Status: Indicates the status of the seamless Wi-Fi mesh system.

Smart Connect

Status: Indicates the status of Smart Connect. This will be enabled by default if Wi-Fi Mesh is enabled.

Wireless

Wi-Fi Name (SSID): Enter a name for your Wi-Fi network.

Password: Create a password for your Wi-Fi network. Wireless clients will need to enter this password to successfully connect to the network.

Advanced Settings - Wireless

Security Mode: Choose None, WPA2/WPA3-Personal or WPA/WPA2.

Transmission Power: Select the desired wireless transmission power.

Wi-Fi Protected Setup

The easiest way to connect your wireless devices to your DIR-X1870 is with Wi-Fi Protected Setup (WPS).

The screenshot shows the D-Link DIR-X1870 Web UI. The top navigation bar includes 'Home', 'Settings', 'Features', and 'Management'. The 'Settings' tab is selected. The main heading is 'Wireless'. Below the heading is a sub-heading 'Wireless' and a note: 'Use this section to configure the wireless settings for your D-Link Router. Please make sure that any changes made in this section will need to be updated on your wireless device.' The page is divided into sections: 'Wi-Fi Mesh' with a 'Status' toggle set to 'Enabled'; 'Smart Connect' with a 'Status' toggle set to 'Enabled'; 'Wireless' with 'Wi-Fi Name (SSID)' set to 'dlink-D37D' and 'Password' set to 'ybyj74344'; and 'Wi-Fi Protected Setup' with 'WPS-PBC Status' set to 'Enabled'. There are 'Guest Zone' and 'Save' buttons at the top right of the settings area.

Wi-Fi (Continued)

WPS-PBC Status: Enable or disable WPS Push Button Configuration (PBC) functionality. Enabling this feature allows wireless clients to connect to the Wi-Fi through an encrypted connection by using the WPS button.

Click **Save** when you are done.

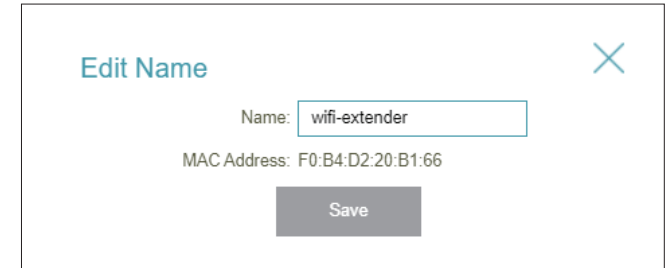
Wi-Fi Protected Setup

WPS-PBC Status ☒ Enabled

Guest Zone

The **Guest Zone** feature will allow you to create a temporary wireless network that can be used by guests to access the Internet. This zone will be separate from your main Wi-Fi network.

In the Settings menu on the bar on the top of the page, click **Wireless**, then click the **Guest Zone** link.



Edit Name

Name: wifi-extender

MAC Address: F0:B4:D2:20:B1:66

Save

Wi-Fi System

Status: Enable or disable the Guest Wi-Fi network.

Wi-Fi Name (SSID): Enter a name for your guest wireless network.

Password: Create a password for your guest Wi-Fi network. Wireless clients will need to enter this password to successfully connect to the network.

Network

This section will allow you to change the local network settings of the device and configure the DHCP settings. In the Settings menu on the bar on the top of the page, click **Network**. Click **Advanced Settings...** to expand the list and see all of the options.

Network Settings

LAN IP Address: Enter the IP address of the device. 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 web configuration utility is **http://dlinkrouter.local/**

Here, you can replace this with a different name. If you change the management link, you will be required to browse to the new URL in order to access the web UI.

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 device for a DNS server.

The screenshot shows the D-Link web interface for the DIR-X1870. The top navigation bar includes 'Home', 'Settings', 'Features', and 'Management'. The 'Settings' menu is active, and the 'Network' sub-menu is selected. The page title is 'Network'. Below the title, there is a brief instruction: 'Use this section to configure the network settings for your device. You can enter a name for your device in the management link field, and use the link to access web UI in a web browser. We recommend you change the management link if there are more than one D-Link devices within the network.' The main content area is titled 'Network Settings' and contains several input fields: 'LAN IP Address' (192.168.0.1), 'Subnet Mask' (255.255.255.0), 'Management Link' (http://dlinkrouterD37D.local/), 'Local Domain Name' (empty), and 'Enable DNS Relay' (a toggle switch set to 'Enabled'). A 'Save' button is located at the top right of the settings area. At the bottom right, there is a link for 'Advanced Settings...'.

Network (Continued)

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: If you have reserved static IP addresses to client devices, make sure the IP addresses are outside of this range or you might have an IP conflict. Refer to **Connected Clients** section page **15** for how reserve IP addresses for clients.

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 device from the Internet.

IPv6 Multicast Streams: Enable to allow IPv6 multicast traffic to pass through the device from the Internet.

Click **Save** when you are done.

The screenshot shows the 'DHCP Server' configuration page. It has two main sections: 'DHCP Server' and 'Advanced Settings'. In the 'DHCP Server' section, 'Status' is set to 'Enabled'. 'DHCP IP Address Range' is set to '192.168.0.100' to '192.168.0.249'. 'DHCP Lease Time' is set to '720' minutes. 'Always Broadcast' is set to 'Disabled' with a note '(compatibility for some DHCP Clients)'. The 'Advanced Settings' section includes 'WAN Port Speed' set to 'Auto', 'UPnP' set to 'Enabled', 'IPv4 Multicast Streams' set to 'Enabled', and 'IPv6 Multicast Streams' set to 'Enabled'.

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.


DIR-X1870 HW:A1 FW:1.01

Home | Settings | Features | Management



D-Link Cloud

D-Link Cloud Service enables third-party service integration for your device through the cloud. Please view your account information that is currently associated with your device's D-Link Cloud account. To find out more about D-Link Cloud's features, simply download the D-Link Wi-Fi App from the App Store or Google Play™ to your mobile device.

Settings>>D-Link Cloud

D-Link Cloud Registration

D-Link Cloud Service: Unregistered

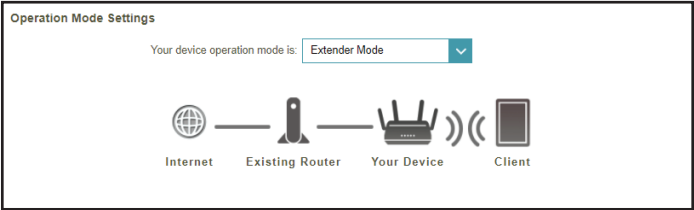
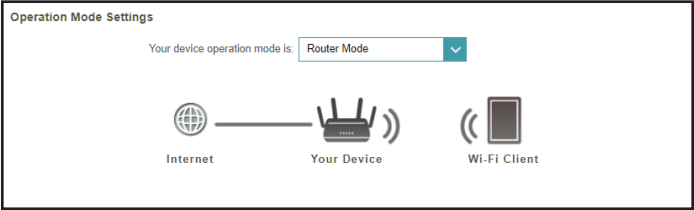
Operation Mode

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.

Operation Mode Settings

- Router Mode** Select Router Mode to run this device as a router.
- Extender Mode** Select Extender Mode to run this device as an extender



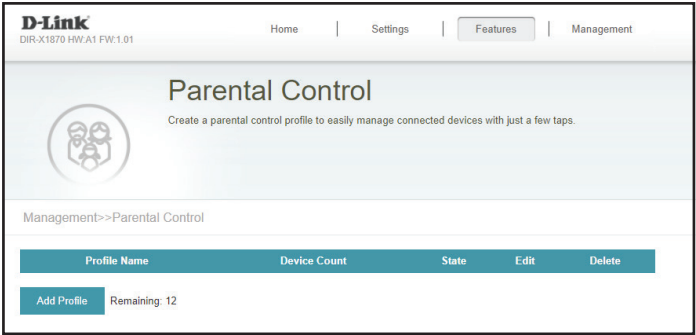
Features

Parental Control

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

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 Profile** button.

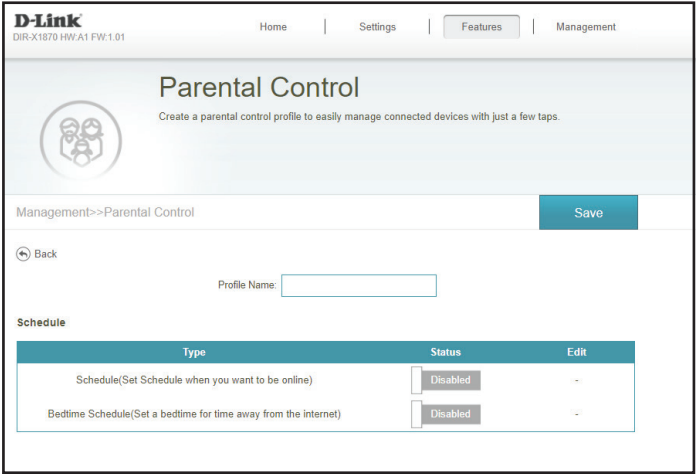


Profile Name Enter a profile name for the schedule.

Schedule

Schedule (Set Schedule when you want to be online) Set a time period for the device to be allowed Internet access.

Bedtime Schedule (Set a bedtime for time away from the internet) Set a time period for the device to be denied Internet access.



If Schedule or Bedtime Schedule Status is **Enabled**:

Click on the pencil icon in the Edit column if you wish to create a new schedule,

Each box represents one hour, with the time at the top of each column. To add a time period to the schedule, simply click on the starting hour and drag to the ending hour. You can add multiple days to the schedule and multiple periods per day.

Click **Apply** when you are done.

Schedule			
Type	Status	Edit	
Schedule(Set Schedule when you want to be online)	Enabled		
Bedtime Schedule(Set a bedtime for time away from the internet)	Enabled		

Schedule

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Mon																								
Tue																								
Wed																								
Thu																								
Fri																								
Sat																								
Sun																								

■ Schedule
■ Bedtime Schedule

Apply

Website Filter

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

Website Name Enter a Website name that you wish to deny access to.

URL Keyword Enter a URL Keyword name that you wish to deny access to.

Website Filter

Website Name	URL Keyword	Edit	Delete
Add Rule	Remaining: 24		

Add Rule

Website Name:

URL Keyword:

Apply

Device

Click the **Add Device** button to select the devices that you wish to add to the schedule

Device

Selected Devices

Add Device Remaining: 24

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 to a higher priority than the latter so that the movie streaming is not disrupted by the traffic of the other devices on the network.

In the Advanced menu on the bar on the top of the page, click **QoS Engine**.

Management Type: From the drop-down menu, select **Off** to disable or select **Manage by Device** to enable the Quality of Service (QoS) feature.

Download Speed (Mbps): Enter the maximum download speed (in Mbps) for connected clients. If QoS is enabled, clients will not be able to exceed this value.

Upload Speed (Mbps): Enter the maximum upload speed (in Mbps) for all connected clients combined. If QoS is enabled, once this threshold is reached, traffic of clients with higher priority will be processed first, while traffic of lower priority clients will wait until enough bandwidth becomes available.

D-Link
DIR-X1870 HW v1 FW 1.01

Home | Settings | **Features** | Management

QoS Engine

Connected clients can be assigned Internet access priority. Click and drag client cards into open slots.

Advanced > QoS Engine Save

Internet Speed Checkup: Check Speed

Management Type: Off

Download Speed (Mbps): 300

Upload Speed (Mbps): 300

Set the download and upload speed based on your ISP subscription plan in order to adjust the QoS engine to provide precise client priorities.

Connected Clients

08894PCWIN10
ELITEGROUP COMPU...
192.168.0.178

Drag the device cards above to the priority boxes below.

Highest	High	Medium

QoS Engine (Continued)

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.

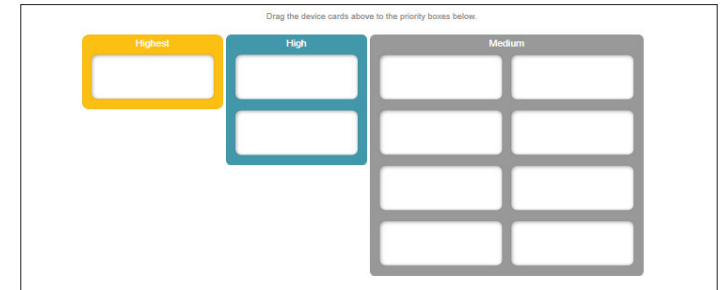
A maximum of **two** devices can be assigned **High** priority.

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

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

To assign a priority level to a device, drag the device card from the Connected Clients 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 Connected Clients list, click the close button (x) in the top right of the device card.

Click **Save** when you are done.



Firewall Advanced

The integrated firewall helps protect your network from malicious attacks over the Internet. In the Features menu on the bar on the top of the page, click **Firewall Settings**. Click **Advanced Settings...** to expand the list and see all of the options.

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 verifying that the traffic passing through the session conforms to known protocols.

Enable Anti-Spoof Checking: Enable this feature to better 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.

The screenshot displays the D-Link Firewall Advanced Settings interface. At the top, there's a navigation bar with 'Home', 'Settings', 'Features', and 'Management'. The 'Features' tab is active, showing the 'Firewall' section. Below the title, a description states: 'Your router's high-performance firewall feature continuously monitors Internet traffic, protecting your network and connected devices from malicious Internet attacks.' The breadcrumb trail is 'Advanced > Firewall > Advanced'. There are tabs for 'IPv4 Rules' and 'IPv6 Rules', and a 'Save' button. The settings are as follows:

- Enable DMZ: ☒ Enabled
- DMZ IP Address: << Computer Name (dropdown)
- Enable SPI IPv4: ☒ Enabled
- Enable Anti-spoof Checking: ☒ Enabled
- IPv6 Simple Security: ☒ Enabled
- IPv6 Ingress Filtering: ☒ Enabled

At the bottom, there's a section for 'Application Level Gateway (ALG) Configuration' with the following settings:

- PPTP: ☒ Enabled
- IPSec (VPN): ☒ Enabled
- RTSP: ☒ Enabled
- SIP: ☒ Enabled

A link for 'Advanced Settings...' is located at the bottom right of the main settings area.

Advanced (Continued)

Advanced Settings - Application Level Gateway (ALG) Configuration

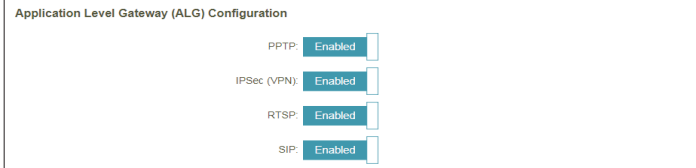
PPTP: Allows multiple machines on the LAN to connect to their corporate network using the PPTP protocol.

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.

Click **Save** when you are done.



A screenshot of the 'Application Level Gateway (ALG) Configuration' window. It contains four rows, each with a protocol name and a toggle switch set to 'Enabled':

Application Level Gateway (ALG) Configuration	
PPTP:	Enabled
IPSec (VPN):	Enabled
RTSP:	Enabled
SIP:	Enabled

IPv4/IPv6 Rules

The IPv4/IPv6 Rules section is an advanced option that lets you configure what kind of traffic is allowed to pass through the network. To configure the IPv4 rules, from the Firewall Settings page click **IPv4 Rules**. To configure IPv6 rules, from the Firewall Settings page click **IPv6 Rules**. To return to the main Firewall Settings page, click **Advanced**.

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 its trash can icon in the Delete column. If you wish to edit a rule, click on its pencil icon in the Edit column. If you wish to create a new rule, click the **Add Rule** button. Click **Save** when you are done. If you edit or create a rule, the following options will appear:

Name: Enter a name for the rule.

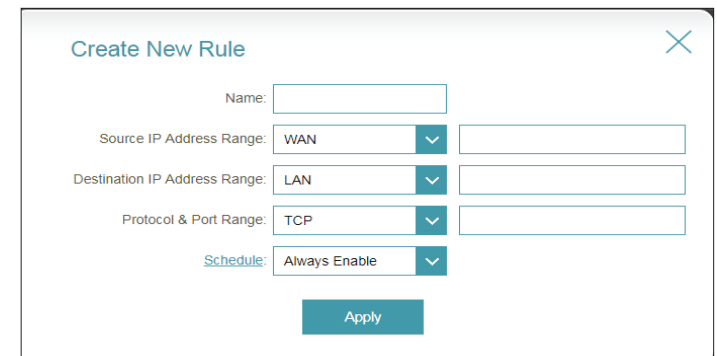
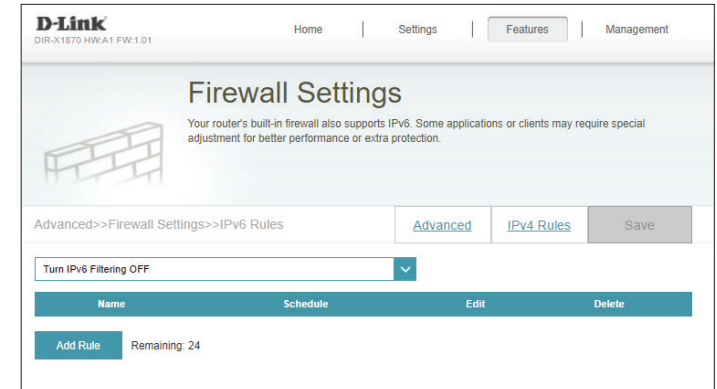
Source IP Address Range: Enter the source IP address range that the rule will apply to, and using the drop-down menu, specify whether it is a **WAN** or **LAN** IP address.

Destination IP Address Range: Enter the destination IP address range that the rule will apply to, and 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 on. The schedule may be set to **Always Enable**, or you can create your own schedules in the **Schedule** section. Refer to **Schedule** on page 62 for more information.

Click **Apply** when you are done.



Port Forwarding

Port Forwarding

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

If you wish to remove a rule, click on its trash can icon in the Delete column. If you wish to edit a rule, click on its pencil icon in the Edit column. If you wish to create a new rule, click the **Add Rule** button. Click **Save** when you are done. If you edit or create a rule, the following options will appear:

Name: Enter a name for the rule.

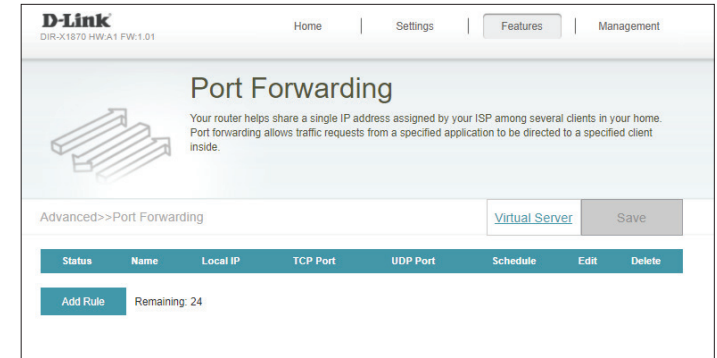
Local IP: Enter the IP address of the device on your local network to which the port will be forwarded. Alternatively, select the device from the drop-down menu.

TCP Port: Enter the TCP ports that you want to forward. 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 forward. 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 on. The schedule may be set to **Always Enable**, or you can create your own schedules in the **Schedule** section. Refer to **Schedule** on page 62 for more information.

Click **Apply** when you are done.



Virtual Server

The virtual server allows you to specify a single public port on the device for redirection to an internal LAN IP address and Private LAN port. To configure the virtual server, from the Port Forwarding page click **Virtual Server**. To return to the main Port Forwarding page, click **Port Forwarding**.

If you wish to remove a rule, click on its trash can icon in the Delete column. If you wish to edit a rule, click on its pencil icon in the Edit column. If you wish to create a new rule, click the **Add Rules** button. Click **Save** when you are done. If you edit or create a rule, the following options will appear:

Name: Enter a name for the rule. Alternatively, select the protocol/Application from the drop-down menu.

Local IP: Enter the IP address of the device on your local network to which the external port will forward. Alternatively, select the device from the drop-down menu.

Protocol: Select the protocol of the traffic that will be forwarded to the selected IP address (**TCP**, **UDP**, **Both**, or **Other**).

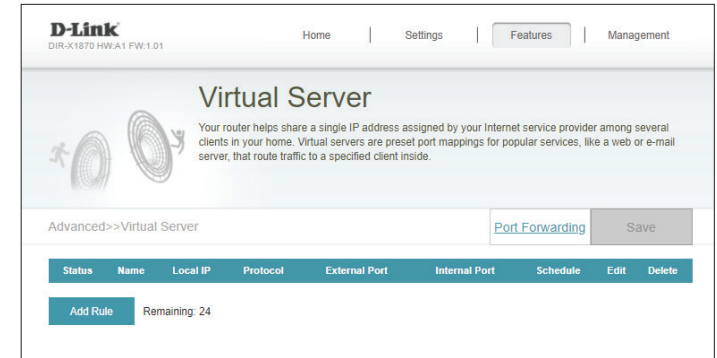
Protocol Number: If you selected **Other** as the protocol, enter the protocol number.

External Port: If you selected **TCP**, **UDP**, or **Both** as the protocol, enter the public port you want to forward.

Internal Port: If you selected **TCP**, **UDP**, or **Both** as the protocol, 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 on. The schedule may be set to **Always Enable**, or you can create your own schedules in the **Schedule** section. Refer to **Schedule** on page 62 for more information.

Click **Apply** when you are done.



Create New Rule [X]

Name: << Application Name [v]

Local IP: << Computer Name [v]

Protocol: TCP [v]

External Port:

Internal Port:

Schedule: Always Enable [v]

Apply

Create New Rule [X]

Name: << Application Name [v]

Local IP: << Computer Name [v]

Protocol: Other [v]

Protocol Number:

Schedule: Always Enable [v]

Apply

Static Routes

IPv4

The Static Routes section allows you to define custom routes to control how traffic moves around your network.

In the Features menu on the bar on the top of the page, click **Static Routes**. To configure IPv6 rules, click **IPv6** and refer to **IPv6 on page 57**. To return to the main IPv4 static routes page, click **IPv4**.

If you wish to remove a rule, click on its trash can icon in the Delete column. If you wish to edit a rule, click on its pencil icon in the Edit column. If you wish to create a new rule, click the **Add Route** button. Click **Save** when you are done. If you edit or create a rule, the following options will appear:

Name: Enter a name for the route.

Destination Network: Enter the destination IP address of this route.

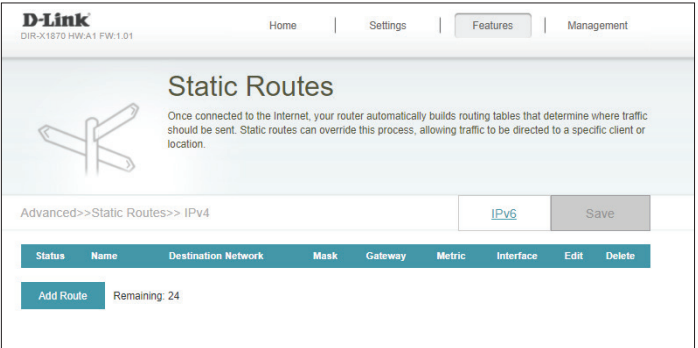
Mask: Enter the subnet mask of the route.

Gateway: Enter your next hop gateway to be taken if this route is used.

Metric: The route metric is a value from 1 to 16 that indicates the cost of using this route. A value of 1 is the lowest cost and 16 is the highest cost.

Interface: Select the interface that the IP packet must use to transit out of the router when this route is used.

Click **Apply** when you are done.



Create New Route

Name:

Destination Network:

Mask:

Gateway:

Metric:

Interface:

WAN

Apply

IPv6

To configure IPv6 routes, on the Static Routes page click **IPv6**. To return to the main IPv4 static routes page, click **IPv4**.

If you wish to remove a rule, click on its trash can icon in the Delete column. If you wish to edit a rule, click on its pencil icon in the Edit column. If you wish to create a new rule, click the **Add Rules** button. Click **Save** when you are done. If you edit or create a rule, the following options will appear:

Name: Enter a name for the route.

DestNetwork: This is the IP address of the router used to reach the specified destination.

PrefixLen: Enter the IPv6 address prefix length of the packets that will take this route.

Gateway: Enter your next hop gateway to be taken if this route is used.

Metric: The route metric is a value from 1 to 16 that indicates the cost of using this route. A value of 1 is the lowest cost and 16 is the highest cost.

Interface: Select the interface that the IP packet must use to transit out of the router when this route is used.

Click **Apply** when you are done.

Dynamic DNS

Most Internet Service Providers (ISPs) assign dynamic (changing) IP addresses. Using a dynamic DNS service provider, people can enter your domain name in their web browser to connect to your server no matter what your IP address is.

In the Features menu on the bar on the top of the page, click **Dynamic DNS**.

Enable Dynamic DNS: Enable or disable dynamic DNS. Enabling this feature will reveal further configuration options.

Status: Displays the current dynamic DNS connection status.

Server Address: Select a Dynamic DNS server from the drop-down menu, or select **Manual** to manually enter a DDNS server address.

Host Name: Enter the host name that you registered with your dynamic DNS service provider.

User Name: Enter your dynamic DNS username.

Password: Enter your dynamic DNS password.

Time Out: Enter a timeout time (in hours).

Click **Save** when you are done.

At the bottom of the page are the IPv6 host settings. To configure an IPv6 dynamic DNS host, refer to following page.

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Home | Settings | **Features** | Management

Dynamic DNS

Dynamic Domain Name Service allows your router to associate an easy-to-remember domain name such as [YourDomainName].com with the regularly changing IP address assigned by your Internet Service provider. This feature is helpful when running a virtual server.

Advanced >> Dynamic DNS Save

Enable Dynamic DNS: ☒ Enabled

Status: Disconnected

Server Address:

Host Name:

User Name:

Password:

Time Out: hours

Status	Host Name	IPv6 Address	Edit	Delete
Add Record	Remaining: 10			

Dynamic DNS (Continued)

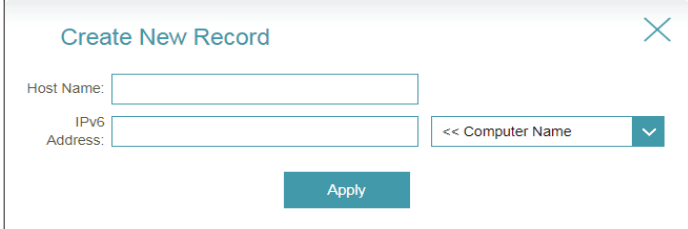
The IPv6 host settings are found at the bottom of the Dynamic DNS page.

If you wish to remove a rule, click on its trash can icon in the Delete column. If you wish to edit a rule, click on its pencil icon in the Edit column. If you wish to create a new rule, click the **Add Record** button. Click **Save** when you are done. If you edit or create a rule, the following options will appear:

Host Name: Enter the host name that you registered with your dynamic DNS service provider.

IPv6 Address: Enter the IPv6 address of the dynamic DNS server. Alternatively, select the server device in the drop-down menu.

Click **Apply** when you are done.



The screenshot shows a 'Create New Record' dialog box. It has a title bar with a close button (X). Inside, there are two text input fields: 'Host Name:' and 'IPv6 Address:'. To the right of the 'IPv6 Address:' field is a dropdown menu with the text '<< Computer Name' and a downward arrow. Below these fields is a blue 'Apply' button.

Quick VPN

In the Features menu on the bar at the top of the page, click **Quick VPN**. This page will help you configure the Quick VPN feature of your router. Before proceeding, ensure that your Internet connection is working properly. We recommend configuring Dynamic DNS before proceeding with Quick VPN setup. If your router is assigned an IP address from your ISP using DHCP, it may frequently change, requiring clients credentials to be set up again and a simple DDNS address will be easier than an IP address.

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

L2TP over IPSec

Enable or disable the Quick VPN server.

Username

Enter a username between 1 and 20 characters.

Password

Enter a password between 1 and 20 characters.

PSK

Enter a passkey between 6 and 64 characters.

VPN Profile for iOS Device and MAC OS X

Click export to save the VPN profile settings file for iOS devices or Mac OS X.

Advanced Settings...

Authentication Protocol

Choose the authentication protocol type: **MSCHAPv2**, **PAP**, or **CHAP**. **MSCHAPv2** is the default.

MPPE

Select the encryption cipher strength: **None**, **RC4-40**, or **RC4-128**. **RC4-128** is the default.

The screenshot shows the D-Link Quick VPN configuration interface. At the top, there's a navigation bar with 'Home', 'Settings', 'Features', and 'Management'. The 'Features' menu is active, showing 'Quick VPN'. Below the title, there's a brief description: 'Quickly and easily create a profile for secure remote access to a Local Area Network (LAN). This profile can be used to configure other devices to connect to your LAN via a secure VPN tunnel.' There are 'User' and 'Save' buttons. The 'General' section includes a toggle for 'L2TP over IPSec' (set to 'Enabled'), input fields for 'Username', 'Password', and 'PSK' (set to 'URcGA36251'), and an 'Export' button for the 'VPN Profile for iOS Device and Mac OS X'. An 'Advanced Settings...' link is also present. The 'Advanced' section shows 'Authentication Protocol' set to 'MSCHAPv2' and 'MPPE' set to 'None'.

Management

Time & Schedule

Time

The **Time** page allows you to configure, update, and maintain the correct time on the internal system clock. From here you can set the time zone and the Network Time Protocol (NTP) server.

In the Management menu on the bar on the top of the page, click **Time & Schedule**.

Time Configuration

Time Zone: Select your time zone from the drop-down menu.

Time: Displays the current date and time of the extender.

Automatic Time Configuration

NTP Server: Select an NTP server from the drop-down menu.

You can also set the NTP server manually by selecting **Manual**.

Click **Save** when you are done.

The screenshot shows the D-Link DIR-X1870 web interface. The top navigation bar includes 'Home', 'Settings', 'Features', and 'Management'. The 'Management' menu is active, and the 'Time' page is displayed. The page title is 'Time'. Below the title, there is a clock icon and a description: 'Your device's internal clock is used for time sensitive applications, such as firmware online checking, data logging and schedules for features. The date and time can be synchronized with a public time server through the Internet.' The 'Time Configuration' section shows 'Time Zone' set to 'Asia/Taipei' and 'Time' as '2020/10/26 05:01:59 PM'. The 'Automatic Time Configuration' section shows 'NTP Server' set to 'D-Link NTP Server' with a dropdown arrow. There are 'Schedule' and 'Save' buttons at the top right of the configuration area.

Schedule

Some functions can be controlled through a pre-configured schedule. To create, edit, or delete schedules, from the **Time** page click **Schedule**. To return to the Time page, click **Time**.

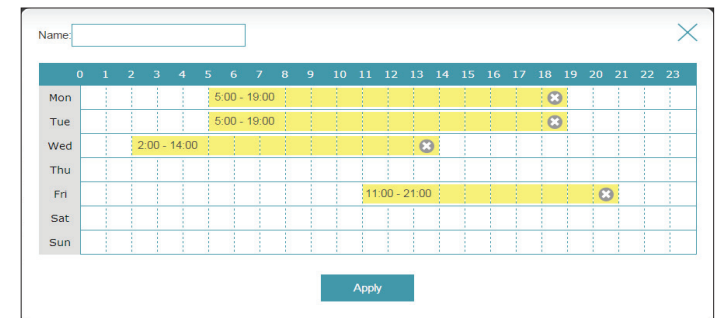
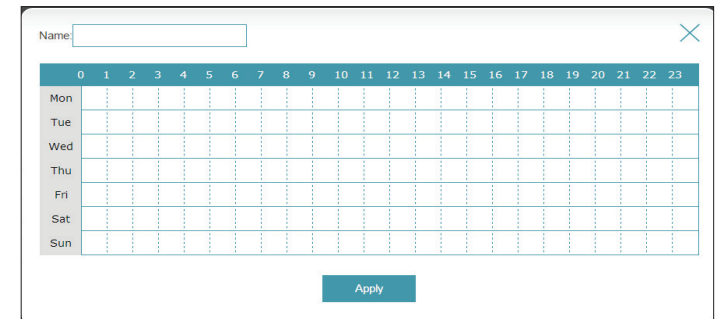
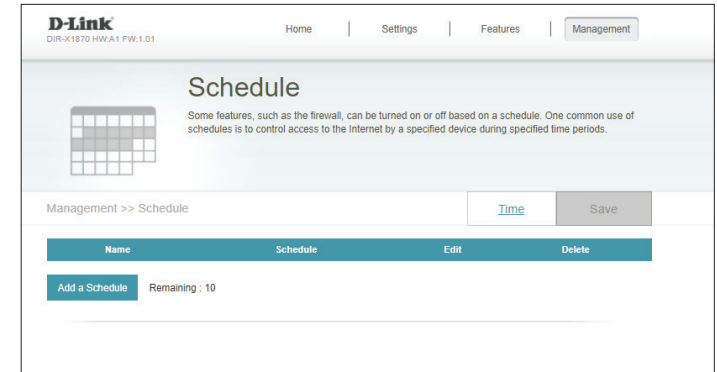
If you wish to remove a rule, click on its trash can icon in the Delete column. If you wish to edit a rule, click on its pencil icon in the Edit column. If you wish to create a new rule, click the **Add Device** button. Click **Save** when you are done. If you edit or create a rule, the following screen will appear:

First, enter the name of your schedule in the **Name** field.

Each box represents one hour, with the time at the top of each column and the day of the week to the left of each row. To add a time period to the schedule, simply click on the starting hour and drag to the ending hour. You can add multiple days to the schedule, but only one time period per day.

To remove a time period from the schedule, click on the cross icon at the end of the highlighted section.

Click **Apply** when you are done.



System Log

The DIR-X1870 keeps a running log of events. This log can be sent to a Syslog server, or be sent to your email address.

In the Management menu on the bar on the top of the page, click **System Log**.

Log Settings

System Log: Click the **Check System Log** to download a copy of the system log to your hard drive.

SysLog Settings

Enable Logging to Syslog Server: Check this box to send the DIR-X1870 logs to a SysLog Server.

If **Logging to the Syslog Server** is **Enabled**:

Syslog Server IP Address: Enter the IP address for the Syslog server. If the Syslog server is connected to the device, select it from the drop-down menu to automatically populate the field.

Email Settings

Enable E-mail Notification: Enable this option if you want the logs to be automatically sent to an email address.

If **E-mail notification** is **Enabled**:

From E-mail Address: Enter the email address your SysLog messages will be sent from.

To E-mail Address: Enter the email address your SysLog messages will be sent to.

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Home | Settings | Features | Management

System Log

On-board diagnostics run continually in the background to monitor the health of your router. The results are recorded in the system log if it is enabled. This info can be used to diagnose common problems or help Customer Support resolve issues more quickly.

Management>>System Log Save

Log Settings

System Log: Check System Log

SysLog Settings

Enable Logging to Syslog Server: Enabled

SysLog Server IP Address: << Computer Name ▼

E-mail Settings

Enable E-mail Notification: Enabled

From E-mail Address:

To E-mail Address:

SMTP Server Address:

SMTP Server Port:

Enable Authentication: Enabled

Account Name:

Password:

E-mail Log When Full or On Schedule

Send When Log Full: Enabled

Send on Schedule: Enabled

Schedule: Always Enable ▼

System Log (Continued)

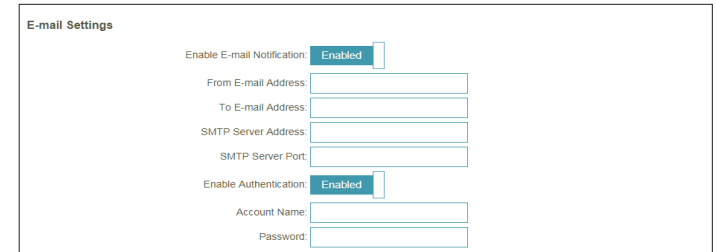
SMTP Server Address: Enter your SMTP server address.

SMTP Server Port: Enter your SMTP server port.

Enable Authentication: Enable this option if your SMTP server requires authentication.

Account Name: Enter your SMTP account name.

Password: Enter your SMTP account password.



The screenshot shows the 'E-mail Settings' configuration page. It includes the following fields and options:

- Enable E-mail Notification:** A toggle switch set to 'Enabled'.
- From E-mail Address:** A text input field.
- To E-mail Address:** A text input field.
- SMTP Server Address:** A text input field.
- SMTP Server Port:** A text input field.
- Enable Authentication:** A toggle switch set to 'Enabled'.
- Account Name:** A text input field.
- Password:** A text input field.

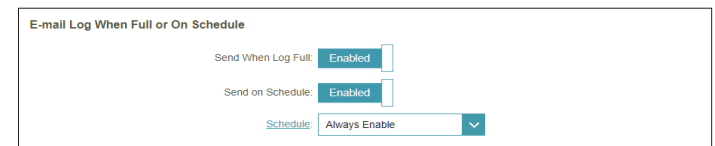
E-mail Log When Full or On Schedule

Send When Log Full: If enabled, this option will set the device to automatically send the log when it is full.

Send on Schedule: If enabled, this option will set the device to send the log according to a set schedule.

Schedule: If you enable **Send On Schedule**, use the drop-down menu to select a schedule to apply. The schedule may be set to **Always Enable**, or you can create your own schedules in the **Schedule** section. Refer to **Schedule on page 62** for more information.

Click **Save** when you are done.



The screenshot shows the 'E-mail Log When Full or On Schedule' configuration page. It includes the following fields and options:

- Send When Log Full:** A toggle switch set to 'Enabled'.
- Send on Schedule:** A toggle switch set to 'Enabled'.
- Schedule:** A drop-down menu with 'Always Enable' selected.

System Admin

Admin

This page will allow you to change the administrator (Admin) password and enable the HTTPS server. In the Management menu on the bar on the top of the page, click **System Admin**.

Admin Password

Password: Enter a new password for the administrator account. You will need to enter this password whenever you configure the device using a web browser.

Enable Graphical Authentication (CAPTCHA): Enables a challenge-response test to require users to type letters or numbers from a distorted image displayed on the screen to better protect against online hackers and unauthorized users from access to your network.

Advanced Settings - Administration

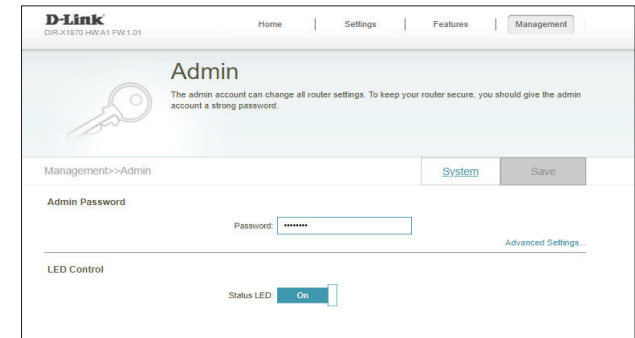
Enable HTTPS Server: Check to enable HTTPS to connect to the extender more securely. Instead of using **http://dlinkrouter.local./**, you must use **https://dlinkrouter.local./** in order to connect to the device.

Note: If you previously changed the management link in the Network section, replace **dlinkrouter.local./** with the new management link.

Enable Remote Management: Remote management allows the device to be configured from the Internet by a web browser. A password is still required to access the web management interface.

Enable Admin Port: The port number used in the URL to access the device. Example: **http://x.x.x.x:8080** where x.x.x.x is the IP address of the device and 8080 is the port used for the web management interface.

Note: If you enabled **Use HTTPS** and wish to access the device remotely and more securely, you must enter **https://** at the beginning of the address.



Admin (Continued)

Advanced Settings - LED Control

Status LED: Choose to enable or disable the status indicator LED on the front panel of both the device and the other DIR-X1870(s). When disabled, the LED will no longer light up solid white during normal operation and will instead turn off.

The LED will still light up in the corresponding color and mode in any of the following circumstances:

- Firmware upgrade
- Device reboot
- Establishing a WPS connection
- Weak uplink signal
- No uplink signal

Once any of the above situations has ended, the LED will briefly light up solid white and then turn off again.

Click **Save** when you are done.



LED Control

Status LED: ☒ On

System

This page will allow you to backup, restore configuration settings, or restore settings from a previous backup, reset, and set up a reboot schedule for the device. On the System Admin page click **System**.

System

Save Settings To Local Hard Drive: Click **Save** to download a backup of your current configuration settings to your local hard drive. This backup can later be used to restore your settings.

Load Settings From Local Hard Drive: Click **Select File** to browse your local hard drive for a configuration file to restore your configuration settings from. Once selected, click **Restore** to apply the settings from the configuration backup.

Restore To Factory Default Settings: Click **Restore** to restore all configuration settings back to the settings that were in effect at the time the device was shipped from the factory. Any settings that have not been saved will be lost, including any rules that you have created.

Auto Reboot Configuration

Reboot the Device: Click the **Reboot** to reboot the device immediately.

Auto Reboot: Use the drop-down menu to select a schedule for the device to automatically reboot. The schedule may be set to **Never**, **Daily**, or **Weekly**. Depending on your selection, set a time and date for the auto reboot schedule.

Click **Save** when you are done.

The screenshot shows the D-Link System Admin interface. At the top, there's a navigation bar with 'Home', 'Settings', 'Features', and 'Management'. The 'Management' tab is selected. Below the navigation bar, the 'System' section is highlighted. A gear icon is next to the title 'System'. A note states: 'This page lets you save your router's current settings to a file, restore your settings from a file, restore your router to factory default settings, or reboot the device. Please note that restoring the settings to the factory defaults will erase all settings, including any rules you have created.' Below this, there are three buttons: 'Save' (for saving settings to local hard drive), 'Select File' (for loading settings from local hard drive), and 'Restore' (for restoring to factory default settings). At the bottom, there's an 'Auto Reboot Configuration' section with a 'Reboot The Device:' button labeled 'Reboot' and an 'Auto Reboot:' dropdown menu currently set to 'Never'.

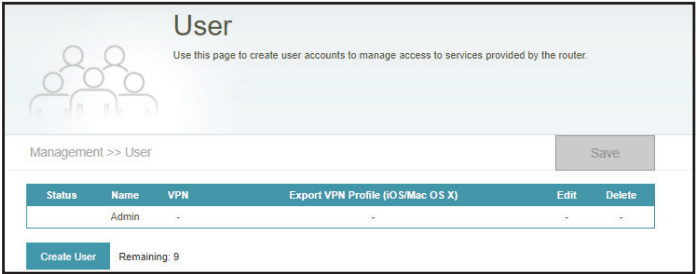
This is a close-up of the 'Auto Reboot Configuration' section. It shows the 'Reboot The Device:' button labeled 'Reboot'. Below it, the 'Auto Reboot:' dropdown menu is set to 'Weekly'. Further down, the 'Day of week:' dropdown is set to 'Mon'. At the bottom, the 'Time:' dropdown is set to '00', and there's a second dropdown set to '00' with the label '(Hour/ Minute)'.

User

In the Management menu on the bar at the top of the page, click **User**. The User section is used to create, manage, and delete user accounts with user-defined access to certain router services.

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

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

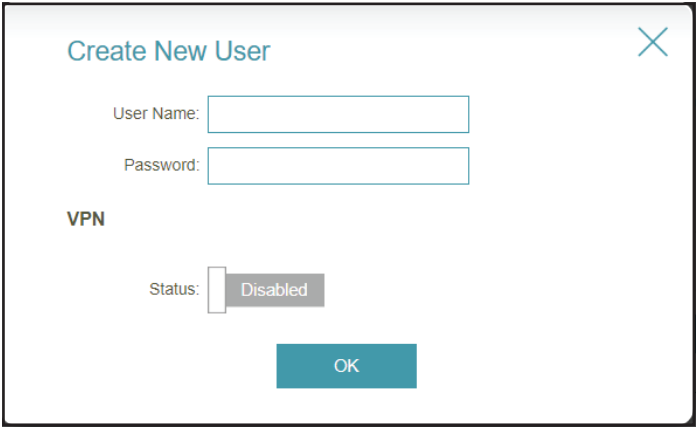


User Name Enter a username for the new user account.

Password Enter a password for the new user account.

VPN

Status Enable or disable Virtual Private Network (VPN) functionality for this user.



Upgrade

This page will allow you to upgrade the extender's firmware, either automatically or manually. To manually upgrade the firmware, you must first download the newest firmware file from **<http://support.dlink.com>**.

In the Management menu on the bar on the top of the page, click **Upgrade**.

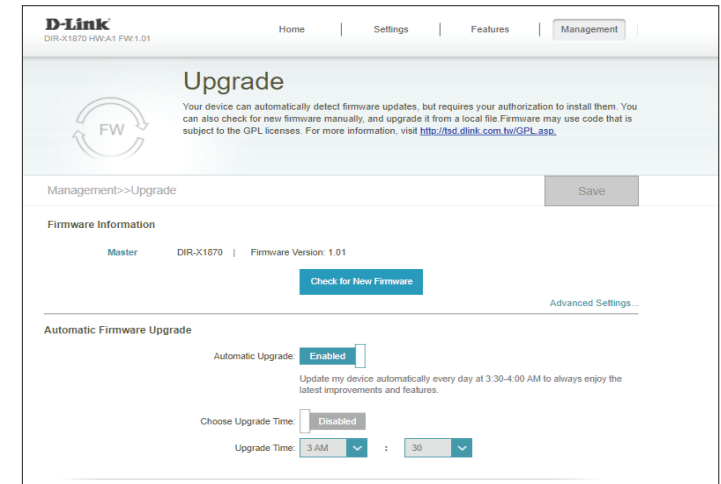
Firmware Information

Master: Displays the current firmware version for the device.

Check for New Firmware: Click this button to prompt the extender to automatically check for a new firmware version. If a newer version is found, click **Upgrade Firmware** to download and install the new firmware.

Upgrade Manually

Upgrade Firmware: If you wish to upgrade manually, first download the firmware file you wish to upgrade to. Next, select a device from the drop-down menu to upgrade firmware for. Then, click the **Select File** button and browse to the firmware file you want to install. With the file selected, click **Upload** to begin the upgrade process.



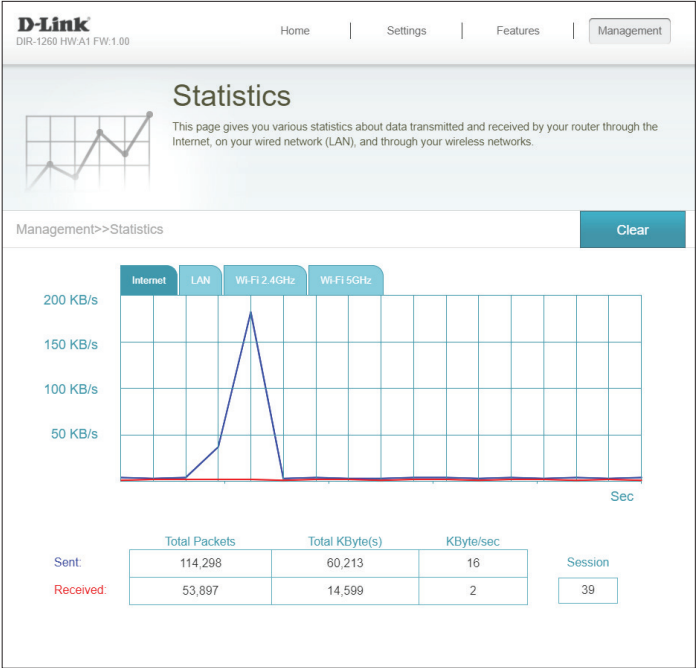
Statistics

On the **Statistics** page you can view the amount of packets that pass through your Wi-Fi network.

In the Management menu on the bar on the top of the page, click **Statistics**.

You can view the **Internet**, **LAN**, **Wi-Fi 2.4GHz**, and **Wi-Fi 5GHz** by clicking on the respective tabs at the top of the graph. The graph will update in real time. To clear the information on the graph, click **Clear**.

The traffic counter will reset if the device is rebooted.



Registering a D-Link Cloud Service Account

In order to use third party services to control and manage your device, you will first need to register your device with D-Link Cloud Service. Follow the steps below if you do not have a D-Link Cloud Service account.

Step 1

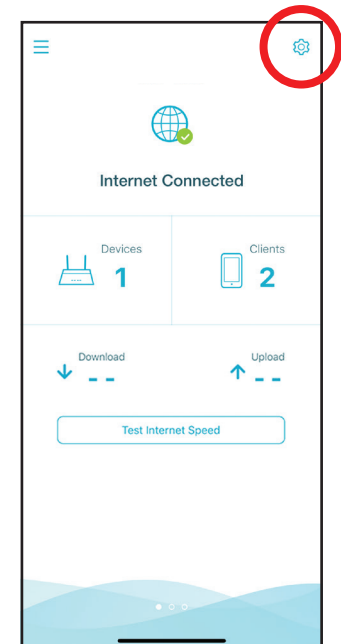
Launch the **D-Link Wi-Fi** app.



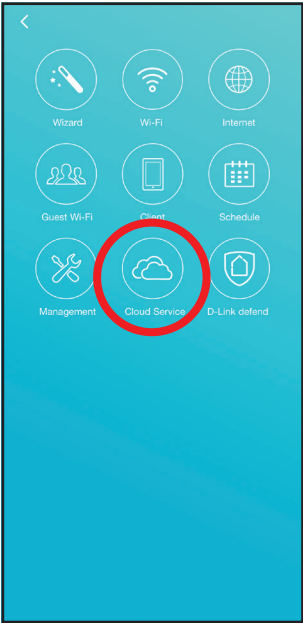
D-Link Wi-Fi

Step 2

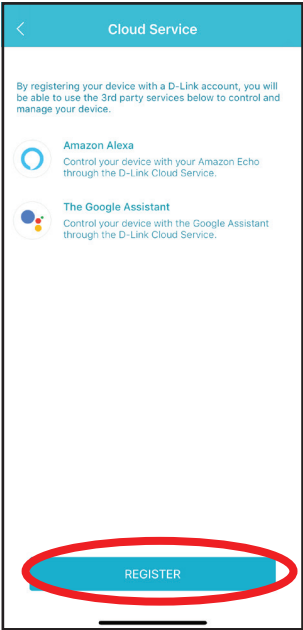
Tap the settings gear icon on the top right corner of the screen.



Step 3
Tap the **Cloud Service** icon.

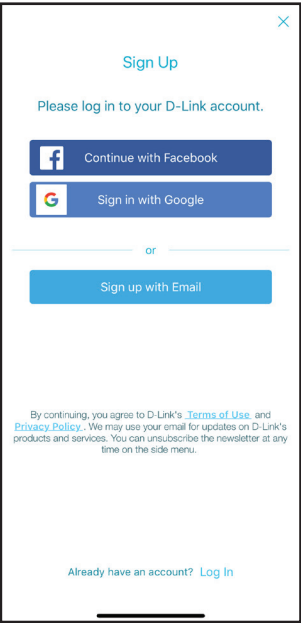


Step 4
Tap the **Register** button.



Step 5

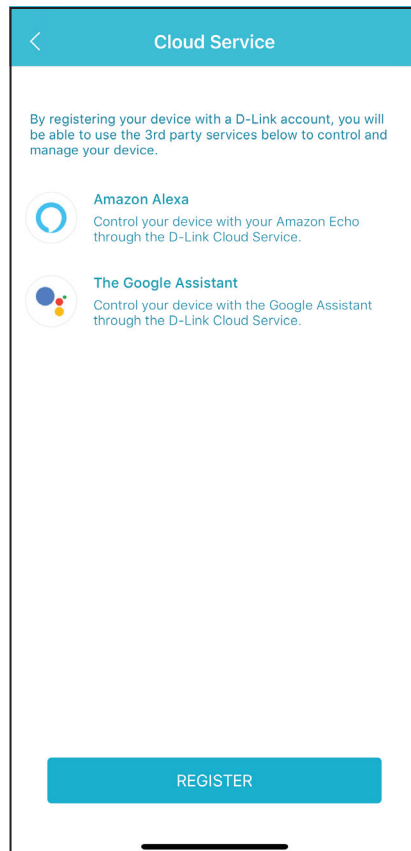
In this menu, you can sign up for a D-Link account using Facebook, Google or an Email address. If you already have a D-Link account, you can tap the **Log In** link at the bottom of the screen to be redirected to the login page.



Voice Assistants

With the devices, you can command your router's functionality with your voice through Amazon Alexa and the Google Assistant, enabling you to control your network with voice commands. Features include enabling and disabling your Wi-Fi guest zone without having to go into the UI, rebooting the router and checking your router for firmware upgrades. In order to use third party services to control and manage your device, please register your device with D-Link Cloud Service.

This section will go through how to set up and link your Amazon Alexa or the Google Assistant to D-Link Wi-Fi.



Amazon Alexa Setup

You will need the Amazon Alexa app, an Amazon account, an Amazon Alexa device and a D-Link Cloud Service account to use this feature.

Note: *The screenshots may be different depending on your mobile device's OS version. The following steps show the iOS interface. 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

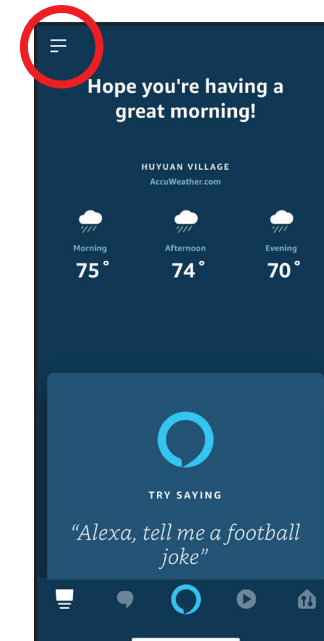
Launch the **Amazon Alexa** app.



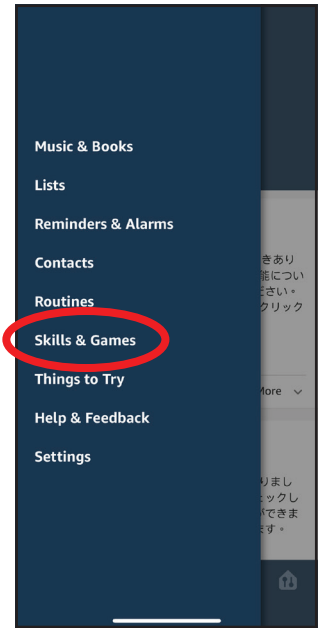
Amazon Alexa

Step 2

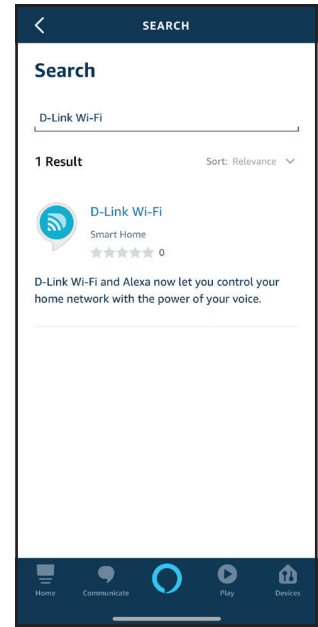
Tap the menu icon on the top left-hand corner of the home screen.



Step 3
Tap on **Skills & Games**.

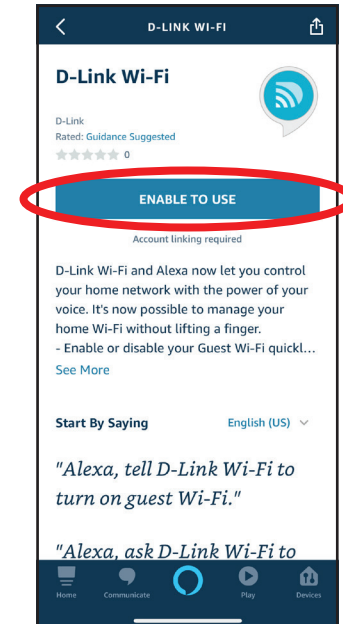


Step 4
Search for "D-Link Wi-Fi". Tap on the search result.



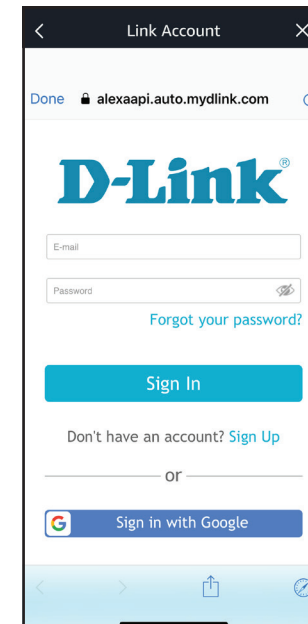
Step 5

Tap **Enable** to link the skill.



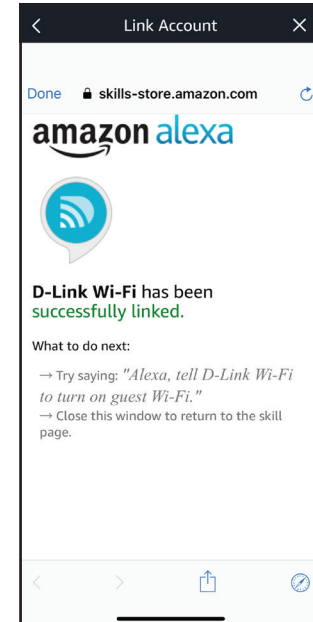
Step 6

Sign in using your D-Link account details.



Step 7

Congratulations! D-Link Wi-Fi has been successfully linked as a skill for your Amazon device. Close the window by tapping **Done** on the top left corner of the screen. Refer to **Amazon Alexa Voice Commands on page 79** for tasks that you can ask your Amazon Alexa to perform.



Amazon Alexa Voice Commands

With D-Link Wi-Fi enabled as a skill for Alexa, you can ask Alexa to do any of these tasks:

Task	Command
Enable the guest zone.	"Alexa, ask D-Link Wi-Fi to enable my guest zone."
Disable the guest zone.	"Alexa, ask D-Link Wi-Fi to disable my guest zone."
Find out the guest zone credentials.	"Alexa, ask D-Link Wi-Fi what are my guest network credentials."
Reboot the router	"Alexa, ask D-Link Wi-Fi to reboot the router."
Upgrade the router.	"Alexa, ask D-Link Wi-Fi to upgrade my router."

The Google Assistant Setup

You will need the Google Assistant app, a Google account and a D-Link Cloud Service account to use this feature.

Note: The screenshots may be different depending on your mobile device's OS version. The following steps show the iOS interface. 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

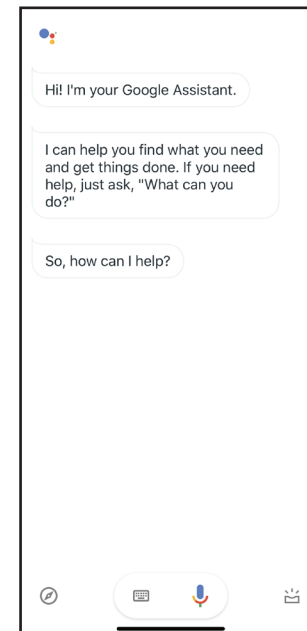
Launch the **Google Assistant** app.



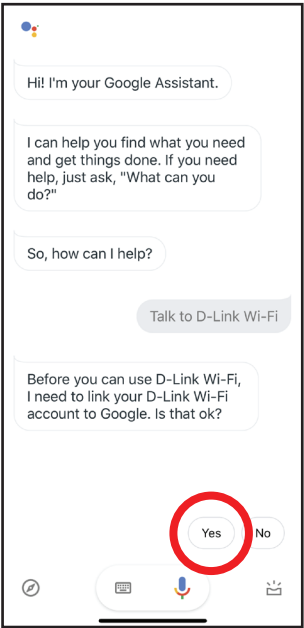
Assistant

Step 2

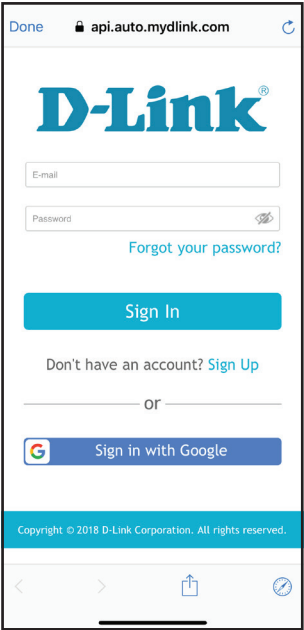
Tell your Google Assistant to **"Talk to D-Link Wi-Fi."**



Step 3
Tap **Yes**.

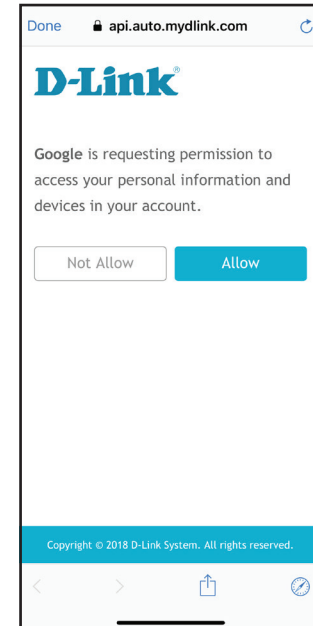


Step 4
Sign in using your D-Link account details.



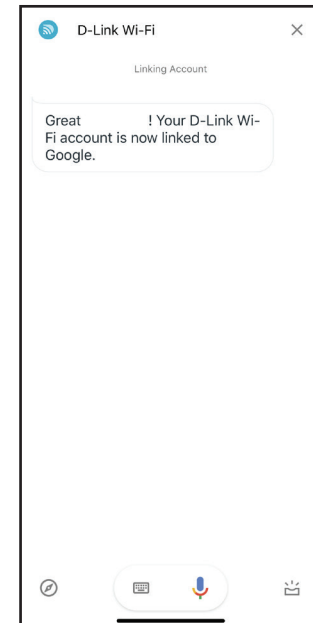
Step 5

Tap **Allow** to continue setup..



Step 6

Congratulations! D-Link Wi-Fi has been successfully linked to your Google Assistant. Refer to **The Google Assistant Voice Commands** on page **83** for tasks that you can ask your Google Assistant to perform.



The Google Assistant Voice Commands

With D-Link Wi-Fi enabled as a skill for the Google Assistant, you can ask your Google Assistant to do any of these tasks:

Task	Command
Enable the guest zone.	"OK Google, talk to D-Link Wi-Fi to enable my guest zone."
Disable the guest zone.	"OK Google, talk to D-Link Wi-Fi to disable my guest zone."
Find out the guest zone credentials.	"OK Google, talk to D-Link Wi-Fi to tell me my guest zone credentials."
Reboot the router	"OK Google, talk to D-Link Wi-Fi to reboot the router."
Upgrade the router.	"OK Google, talk to D-Link Wi-Fi to upgrade my router."

Connect to a Wireless Client

WPS Button

The easiest way to connect your wireless devices to your Wi-Fi network is with WPS (Wi-Fi Protected Setup). Most wireless devices such as wireless adapters, media players, Blu-ray DVD players, wireless printers, and cameras will have a WPS button that you can press to connect to the DIR-X1870. Please refer to your user manual for the wireless device you want to connect to make sure you understand how to enable WPS. After consulting your device's manual, follow the steps below:

Step 1 - Press the WPS button on the DIR-X1870 for about 1 second. The LED on the front will start to blink white.



Step 2 - Within 120 seconds, press the WPS button on your wireless device (or launch the software utility and start the WPS process).

Step 3 - Allow up to 1 minute for your connection to be configured. Once the LED stops blinking, you will be connected and your wireless connection will be encrypted with WPA2.

Wireless Basics

D-Link wireless products are based on industry standards to provide easy-to-use and compatible high-speed wireless connectivity within your home, business, or public access wireless networks. Strictly adhering to the IEEE standard, the D-Link wireless family of products will allow you to access the data you want, when, and where you want it. You will be able to enjoy the freedom that wireless networking delivers.

A wireless local area network (WLAN) is a cellular computer network that transmits and receives data with radio signals instead of wires. Wireless LANs are used increasingly in both home and office environments, and public areas such as airports, coffee shops and universities. Innovative ways to utilize WLAN technology are helping people work, and communicate more efficiently. Increased mobility and the absence of cabling and other fixed infrastructure have proven to be beneficial for many users.

Wireless users can use the same applications they use on a wired network. Wireless adapter cards used on laptop and desktop systems support the same protocols as Ethernet adapter cards.

Under many circumstances, it may be desirable for mobile network devices to link to a conventional Ethernet LAN in order to use servers, printers or an Internet connection supplied through the wired LAN. A wireless router is a device used to provide this link.

What is Wireless?

Wireless or Wi-Fi technology is another way of connecting your computer to the network without using wires. Wi-Fi uses radio frequency to connect wirelessly so you have the freedom to connect computers anywhere in your home or office network.

Why D-Link Wireless?

D-Link is the worldwide leader and award winning designer, developer, and manufacturer of networking products. D-Link delivers the performance you need at a price you can afford. D-Link has all the products you need to build your network.

How does wireless work?

Wireless works similarly to how cordless phones work, through radio signals that transmit data from one point A to point B. But wireless technology has restrictions as to how you can access the network. You must be within the wireless network range area to be able to connect your computer. There are two different types of wireless networks: Wireless Local Area Network (WLAN), and Wireless Personal Area Network (WPAN).

Wireless Local Area Network (WLAN)

In a wireless local area network, a device called an Access Point (AP) connects computers to the network. The access point has a small antenna attached to it, which allows it to transmit data back and forth over radio signals. With an indoor access point the signal can travel up to 300 feet. With an outdoor access point the signal can reach out up to 30 miles to serve places like manufacturing plants, industrial locations, university and high school campuses, airports, golf courses, and many other outdoor venues.

Wireless Personal Area Network (WPAN)

Bluetooth is the industry standard wireless technology used for WPAN. Bluetooth devices in WPAN operate in a range up to 30 feet away.

Compared to WLAN the speed and wireless operation range are both less than WLAN, but in return it doesn't use nearly as much power. This makes it ideal for personal devices, such as mobile phones, PDAs, headphones, laptops, speakers, and other devices that operate on batteries.

Who uses wireless?

Wireless technology has become so popular in recent years that almost everyone is using it, whether it's for home, office, business, D-Link has a wireless solution for it.

Home uses/benefits

- Gives everyone at home broadband access
- Surf the web, check email, instant message, etc.
- Gets rid of the cables around the house
- Simple and easy to use

Small office and home office uses/benefits

- Stay on top of everything at home as you would at office
- Remotely access your office network from home
- Share Internet connection and printer with multiple computers
- No need to dedicate office space

Where is wireless used?

Wireless technology is expanding everywhere, not just at home or office. People like the freedom of mobility and it's becoming so popular that more and more public facilities now provide wireless access to attract people. The wireless connection in public places is usually called "hotspots".

Using a D-Link USB adapter with your laptop, you can access the hotspot to connect to the Internet from remote locations like: airports, hotels, coffee shops, libraries, restaurants, and convention centers.

Wireless network is easy to setup, but if you're installing it for the first time it could be quite a task not knowing where to start. That's why we've put together a few setup steps and tips to help you through the process of setting up a wireless network.

Tips

Here are a few things to keep in mind, when you install a wireless network.

Centralize your router or access point

Make sure you place the router/access point in a centralized location within your network for the best performance. Try to place the router/access point as high as possible in the room, so the signal gets dispersed throughout your home. If you have a two-story home, you may need a repeater to boost the signal to extend the range.

Eliminate Interference

Place home appliances such as cordless telephones, microwaves, and televisions as far away as possible from the router/access point. This would significantly reduce any interference that the appliances might cause since they operate on same frequency.

Technical Specifications

Technical Specifications		
General		
Device Interfaces	• One 10/100/1000 Mbps Gigabit Ethernet WAN port • Four 10/100/1000 Mbps Gigabit Ethernet LAN ports	• IEEE 802.11 ax¹/ac/n/g/b/a wireless LAN
LEDs	• Power • Internet	• 2.4 G Wi-Fi • 5 G Wi-Fi
Antenna Type	• Four external antennas	
Wi-Fi Data Rate	• 2.4 GHz • Up to 574 Mbps²	• 5 GHz • Up to 1201 Mbps²
Standards	• IEEE 802.11ax • IEEE 802.11ac • IEEE 802.11n • IEEE 802.11g	• IEEE 802.11b • IEEE 802.11a • IEEE 802.3u • IEEE 802.3ab
Minimum Requirements	• Windows 10/8.1/8/7/Vista or Mac OS X 10.6 or higher • Supports Internet Explorer 10, Firefox 28.0, Chrome 28.0, Safari 6.0, and up	• Network Interface Card • Cable/DSL modem or other Internet service provider equipment with Ethernet port
Functionality		
Security	• The latest Wi-Fi security with 128-bit encryption (Wi-Fi Protected Access)	• WPS (Wi-Fi Protected Setup)
Advanced Features	• D-Link Wi-Fi App Setup and Configuration • QoS (Quality of Service) • DMZ (Demilitarized Zone) • Parental Control	• Firewall - Network Address Translation (NAT) • Guest Zone • Multicast Support

Physical	
Dimensions	• 251.64 x 166.47 x 194.18 mm (9.90 x 6.55 x 7.64 in)
Weight	• 410 g (0.9 lbs)
Power Adaptor	• Input: 100 to 240 V AC, 50 / 60 Hz • Output: 12 V DC, 1 A
Temperature	• Operating: 0 to 40 °C (32 to 104 °F) • Storage: -20 to 65 °C (-4 to 149 °F)
Humidity	• Operating: 10% to 90% non-condensing • Storage: 5% to 95% non-condensing
Certifications	• FCC • IC • CE
Order Information	
Part Number	Description
DIR-X1870	AX1800 Mesh Wi-Fi 6 Router

¹ The DIR-X1870 may not support all of the mandatory features, established in Wave 1 of the IEEE 802.11ax specifications
² Maximum wireless signal rate derived from IEEE Standard 802.11ac and 802.11n specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, may lower actual data throughput rate. Environmental factors will adversely affect wireless signal range.

Updated 11/06/2020

Regulatory Information

Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Operations in the 5.15-5.25GHz band are restricted to indoor usage only. This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

IMPORTANT NOTICE:

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 22 cm between the radiator & your body.

Note

The country code selection is for non-USA models only and is not available to all USA models. Per FCC regulations, all WiFi product marketed in the USA must be fixed to USA operational channels only.

Innovation, Science and Economic Development Canada (ISED) Statement:

This device complies with ISED licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Caution :

- (i) the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- (ii) the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;
- (iii) the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate; and
- (iv) the worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in Section 6.2.2(3) shall be clearly indicated.
- (v) Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Avvertimento:

- Le guide d'utilisation des dispositifs pour réseaux locaux doit inclure des instructions précises sur les restrictions susmentionnées, notamment :
- (i) les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;
 - (ii) le gain maximal d'antenne permis pour les dispositifs utilisant les bandes de 5250 à 5350 MHz et de 5470 à 5725 MHz doit être conforme à la limite de la p.i.r.e.;
 - (iii) le gain maximal d'antenne permis (pour les dispositifs utilisant la bande de 5725 à 5850 MHz) doit être conforme à la limite de la p.i.r.e. spécifiée pour l'exploitation point à point et l'exploitation non point à point, selon le cas;
 - (iv) les pires angles d'inclinaison nécessaires pour rester conforme à l'exigence de la p.i.r.e. applicable au masque d'élévation, et énoncée à la section 6.2.2 3), doivent être clairement indiqués.
 - (v) De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

Radiation Exposure Statement

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 40 cm between the radiator and your body.

Déclaration d'exposition aux radiations

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 40 cm de distance entre la source de rayonnement et votre corps.



	Frequency Band(s) Frequenzband Fréquence bande(s) Bandas de Frecuencia Frequenza/e Frequentie(s)	Max. Output Power (EIRP) Max. Output Power Consommation d'énergie max. Potencia máxima de Salida Potenza max. Output Max. Output Power
5 G	5.15 – 5.25 GHz	200 mW
	5.25 – 5.35 GHz	200 mW
	5.47 – 5.725 GHz	1 W
2.4 G	2.4 – 2.4835 GHz	100 mW

European Community Declaration of Conformity:

Česky [Czech]	Tímto D-Link Corporation prohlašuje, že tento produkt, jeho příslušenství a software jsou v souladu se směrnicí 2014/53/EU. Celý text ES prohlášení o shodě vydaného EU a o firmwaru produktu lze stáhnout na stránkách k produktu www.dlink.com .
Dansk [Danish]	D-Link Corporation erklærer herved, at dette produkt, tilbehør og software er i overensstemmelse med direktiv 2014/53/EU. Den fulde tekst i EU-overensstemmelseserklæringen og produktfirmware kan wnloades fra produktsiden hos www.dlink.com .
Deutsch [German]	Hiermit erklärt die D-Link Corporation, dass dieses Produkt, das Zubehör und die Software der Richtlinie 2014/53/EU entsprechen. Der vollständige Text der Konformitätserklärung der Europäischen Gemeinschaft sowie die Firmware zum Produkt stehen Ihnen zum Herunterladen von der Produktseite im Internet auf www.dlink.com zur Verfügung.
Eesti [Estonian]	Käesolevaga kinnitab D-Link Corporation, et see toode, tarvikud ja tarkvara on kooskõlas direktiiviga 2014/53/EL. Euroopa Liidu vastavusdeklaratsiooni täistekst ja toote püsivara on allalaadimiseks saadaval tootelehel www.dlink.com .
English	Hereby, D-Link Corporation, declares that this product, accessories, and software are in compliance with directive 2014/53/EU. The full text of the EU Declaration of Conformity and product firmware are available for download from the product page at www.dlink.com
Español [Spanish]	Por la presente, D-Link Corporation declara que este producto, accesorios y software cumplen con las directivas 2014/53/UE. El texto completo de la declaración de conformidad de la UE y el firmware del producto están disponibles y se pueden descargar desde la página del producto en www.dlink.com .
Ελληνική [Greek]	Με την παρούσα, η D-Link Corporation δηλώνει ότι αυτό το προϊόν, τα αξεσουάρ και το λογισμικό συμμορφώνονται με την Οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης της ΕΕ και το υλικολογισμικό του προϊόντος είναι διαθέσιμα για λήψη από τη σελίδα του προϊόντος στην τοποθεσία www.dlink.com .
Français [French]	Par les présentes, D-Link Corporation déclare que ce produit, ces accessoires et ce logiciel sont conformes aux directives 2014/53/UE. Le texte complet de la déclaration de conformité de l'UE et le microprogramme du produit sont disponibles au téléchargement sur la page des produits à www.dlink.com .
Italiano [Italian]	Con la presente, D-Link Corporation dichiara che questo prodotto, i relativi accessori e il software sono conformi alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE e il firmware del prodotto sono disponibili per il download dalla pagina del prodotto su www.dlink.com .

Latviski [Latvian]	Ar šo uzņēmums D-Link Corporation apliecina, ka šis produkts, piederumi un programmatūra atbilst direktīvai 2014/53/ES. ES atbilstības deklarācijas pilno tekstu un produkta aparātprogrammatūru var lejupielādēt attiecīgā produkta lapā vietnē www.dlink.com .
Lietuvių [Lithuanian]	Šiuo dokumentu „D-Link Corporation“ pareiškia, kad šis gaminys, priedai ir programinė įranga atitinka direktyvą 2014/53/ES. Visą ES atitikties deklaracijos tekstą ir gaminio programinę aparatinę įrangą galima atsisiųsti iš gaminio puslapio adresu www.dlink.com .
Nederlands [Dutch]	Hierbij verklaart D-Link Corporation dat dit product, accessoires en software voldoen aan de richtlijnen 2014/53/EU. De volledige tekst van de EU conformiteitsverklaring en productfirmware is beschikbaar voor download van de productpagina op www.dlink.com .
Malti [Maltese]	Bil-preżenti, D-Link Corporation tiddikjara li dan il-prodott, l-aċċessorji, u s-software huma konformi mad-Direttiva 2014/53/UE. Tista' tnizzel it-test s'hih tad-dikjarazzjoni ta' konformità tal-UE u l-firmware tal-prodott mill-paġna tal-prodott fuq www.dlink.com .
Magyar [Hungarian]	Ezennel a D-Link Corporation kijelenti, hogy a jelen termék, annak tartozékai és szoftvere megfelelnek a 2014/53/EU sz. rendeletnek. Az EU Megfelelőségi nyilatkozat teljes szövege és a termék firmware a termék oldaláról tölthető le a www.dlink.com címen.
Polski [Polish]	D-Link Corporation niniejszym oświadcza, że ten produkt, akcesoria oraz oprogramowanie są zgodne z dyrektywami 2014/53/EU. Pełen tekst deklaracji zgodności UE oraz oprogramowanie sprzętowe do produktu można pobrać na stronie produktu w witrynie www.dlink.com .
Português [Portuguese]	Desta forma, a D-Link Corporation declara que este produto, os acessórios e o software estão em conformidade com a diretiva 2014/53/UE. O texto completo da declaração de conformidade da UE e do firmware
Slovensko[Slovenian]	Podjetje D-Link Corporation s tem izjavlja, da so ta izdelek, dodatna oprema in programska oprema skladni z direktivami 2014/53/EU. Celotno besedilo izjave o skladnosti EU in vdelana programska oprema sta na voljo za prenos na strani izdelka na www.dlink.com .
Slovensky [Slovak]	Spoločnosť D-Link týmto vyhlasuje, že tento produkt, príslušenstvo a softvér sú v súlade so smernicou 214/53/EÚ. Úplné znenie vyhlásenia EÚ o zhode a firmvéri produktu sú k dispozícii na prevzatie zo stránky produktu www.dlink.com .
Suomi [Finnish]	D-Link Corporation täten vakuuttaa, että tämä tuote, lisävarusteet ja ohjelmisto ovat direktiivin 2014/53/EU vaatimusten mukaisia. Täydellinen EU-vaatimustenmukaisuusvakuutus samoin kuin tuotteen laiteohjelmisto ovat ladattavissa osoitteesta www.dlink.com .
Svenska[Swedish]	D-Link Corporation försäkrar härmed att denna produkt, tillbehör och programvara överensstämmer med direktiv 2014/53/EU. Hela texten med EU-försäkran om överensstämmelse och produkt-firmware kan hämtas från produktsidan på www.dlink.com .

Íslenska [Icelandic]	Hér með lýsir D-Link Corporation því yfir að þessi vara, fylgihlutir og hugbúnaður eru í samræmi við tilskipun 2014/53/EB. Sækja má ESB-samræmisýfirlýsinguna í heild sinni og fastbúnað vörunnar af vefsíðu vörunnar á www.dlink.com .
Norsk [Norwegian]	Herved erklærer D-Link Corporation at dette produktet, tilbehøret og programvaren er i samsvar med direktivet 2014/53/EU. Den fullstendige teksten i EU-erklæring om samsvar og produktets fastvare er tilgjengelig for nedlasting fra produktsiden på www.dlink.com .

Warning Statement:

The power outlet should be near the device and easily accessible.

NOTICE OF WIRELESS RADIO LAN USAGE IN THE EUROPEAN COMMUNITY (FOR WIRELESS PRODUCT ONLY):

- This device is restricted to indoor use when operated in the European Community using channels in the 5.15-5.35 GHz band to reduce the potential for interference.
- This device is a 2.4 GHz wideband transmission system (transceiver), intended for use in all EU member states and EFTA countries. This equipment may be operated in AL, AD, BE, BG, DK, DE, FI, FR, GR, GW, IS, IT, HR, LI, LU, MT, MK, MD, MC, NL, NO, AT, PL, PT, RO, SM, SE, RS, SK, ES, CI, HU, and CY.

Usage Notes:

- To remain in conformance with European National spectrum usage regulations, frequency and channel limitations will be applied on the products according to the country where the equipment will be deployed.
- This device is restricted from functioning in Ad-hoc mode while operating in 5 GHz. Ad-hoc mode is direct peer-to-peer communication between two client devices without an Access Point.
- Access points will support DFS (Dynamic Frequency Selection) and TPC (Transmit Power Control) functionality as required when operating in 5 GHz band within the EU.
- Please refer to the product manual or datasheet to check whether your product uses 2.4 GHz and/or 5 GHz wireless.

HINWEIS ZUR VERWENDUNG VON DRAHTLOS-NETZWERK (WLAN) IN DER EUROPÄISCHEN GEMEINSCHAFT (NUR FÜR EIN DRAHTLOSES PRODUKT)

- Der Betrieb dieses Geräts in der Europäischen Gemeinschaft bei Nutzung von Kanälen im 5,15-5,35 GHz Frequenzband ist ausschließlich auf Innenräume beschränkt, um das Interferenzpotential zu reduzieren.
- Bei diesem Gerät handelt es sich um ein zum Einsatz in allen EU-Mitgliedsstaaten und in EFTA-Ländern - ausgenommen Frankreich. Der Betrieb dieses Geräts ist in den folgenden Ländern erlaubt: AL, AD, BE, BG, DK, DE, FI, FR, GR, GW, IS, IT, HR, LI, LU, MT, MK, MD, MC, NL, NO, AT, PL, PT, RO, SM, SE, RS, SK, ES, CI, HU, CY

Gebrauchshinweise:

- Um den in Europa geltenden nationalen Vorschriften zum Nutzen des Funkspektrums weiterhin zu entsprechen, werden Frequenz und Kanalbeschränkungen, dem jeweiligen Land, in dem das Gerät zum Einsatz kommt, entsprechend, auf die Produkte angewandt.
- Die Funktionalität im Ad-hoc-Modus bei Betrieb auf 5 GHz ist für dieses Gerät eingeschränkt. Bei dem Ad-hoc-Modus handelt es sich um eine Peer-to-Peer-Kommunikation zwischen zwei Client-Geräten ohne einen Access Point.
- Access Points unterstützen die Funktionen DFS (Dynamic Frequency Selection) und TPC (Transmit Power Control) wie erforderlich bei Betrieb auf 5 GHz innerhalb der EU.
- Bitte schlagen Sie im Handbuch oder Datenblatt nach, ob Ihr Gerät eine 2,4 GHz und / oder 5 GHz Verbindung nutzt.

AVIS CONCERNANT L'UTILISATION DE LA RADIO SANS FIL LAN DANS LA COMMUNAUTÉ EUROPÉENNE (UNIQUEMENT POUR LES PRODUITS SANS FIL)

- Cet appareil est limité à un usage intérieur lorsqu'il est utilisé dans la Communauté européenne sur les canaux de la bande de 5,15 à 5,35 GHz afin de réduire les risques d'interférences.
- Cet appareil est un système de transmission à large bande (émetteur-récepteur) de 2,4 GHz, destiné à être utilisé dans tous les États-membres de l'UE et les pays de l'AELE. Cet équipement peut être utilisé dans les pays suivants : AL, AD, BE, BG, DK, DE, FI, FR, GR, GW, IS, IT, HR, LI, LU, MT, MK, MD, MC, NL, NO, AT, PL, PT, RO, SM, SE, RS, SK, ES, CI, HU, CY

Notes d'utilisation:

- Pour rester en conformité avec la réglementation nationale européenne en matière d'utilisation du spectre, des limites de fréquence et de canal seront appliquées aux produits selon le pays où l'équipement sera déployé.
- Cet appareil ne peut pas utiliser le mode Ad-hoc lorsqu'il fonctionne dans la bande de 5 GHz. Le mode Adhoc fournit une communication directe pair à pair entre deux périphériques clients sans point d'accès.
- Les points d'accès prendront en charge les fonctionnalités DFS (Dynamic Frequency Selection) et TPC (Transmit Power Control) au besoin lors du fonctionnement dans la bande de 5 GHz au sein de l'UE.
- Merci de vous référer au guide d'utilisation ou de la fiche technique afin de vérifier si votre produit utilise 2.4 GHz et/ou 5 GHz sans fil.

AVISO DE USO DE LA LAN DE RADIO INALÁMBRICA EN LA COMUNIDAD EUROPEA (SOLO PARA EL PRODUCTO INALÁMBRICO)

- El uso de este dispositivo está restringido a interiores cuando funciona en la Comunidad Europea utilizando canales en la banda de 5,15-5,35 GHz, para reducir la posibilidad de interferencias.
- Este dispositivo es un sistema de transmisión (transceptor) de banda ancha de 2,4 GHz, pensado para su uso en todos los estados miembros de la UE y en los países de la AELC. Este equipo se puede utilizar en AL, AD, BE, BG, DK, DE, FI, FR, GR, GW, IS, IT, HR, LI, LU, MT, MK, MD, MC, NL, NO, AT, PL, PT, RO, SM, SE, RS, SK, ES, CI, HU, CY

Notas de uso:

- Para seguir cumpliendo las normas europeas de uso del espectro nacional, se aplicarán limitaciones de frecuencia y canal en los productos en función del país en el que se pondrá en funcionamiento el equipo.
- Este dispositivo tiene restringido el funcionamiento en modo Ad-hoc mientras funcione a 5 Ghz. El modo Ad-hoc es la comunicación directa de igual a igual entre dos dispositivos cliente sin un punto de acceso.
- Los puntos de acceso admitirán la funcionalidad DFS (Selección de frecuencia dinámica) y TPC (Control de la potencia de transmisión) si es necesario cuando funcionan a 5 Ghz dentro de la UE.
- Por favor compruebe el manual o la ficha de producto para comprobar si el producto utiliza las bandas inalámbricas de 2.4 GHz y/o la de 5 GHz.

AVVISO PER L'USO DI LAN RADIO WIRELESS NELLA COMUNITÀ EUROPEA (SOLO PER PRODOTTI WIRELESS)

- Nella Comunità europea, l'uso di questo dispositivo è limitato esclusivamente agli ambienti interni sui canali compresi nella banda da 5,15 a 5,35 GHz al fine di ridurre potenziali interferenze. Questo dispositivo è un sistema di trasmissione a banda larga a 2,4 GHz (ricetrasmittente), destinato all'uso in tutti gli stati membri dell'Unione europea e nei paesi EFTA.
- Questo dispositivo può essere utilizzato in AL, AD, BE, BG, DK, DE, FI, FR, GR, GW, IS, IT, HR, LI, LU, MT, MK, MD, MC, NL, NO, AT, PL, PT, RO, SM, SE, RS, SK, ES, CI, HU, CY

Note per l'uso

- Al fine di mantenere la conformità alle normative nazionali europee per l'uso dello spettro di frequenze, saranno applicate limitazioni sulle frequenze e sui canali per il prodotto in conformità alle normative del paese in cui il dispositivo viene utilizzato.
- Questo dispositivo non può essere attivato in modalità Ad-hoc durante il funzionamento a 5 GHz. La modalità Ad-hoc è una comunicazione diretta peer-to-peer fra due dispositivi client senza un punto di accesso.
- I punti di accesso supportano le funzionalità DFS (Dynamic Frequency Selection) e TPC (Transmit Power Control) richieste per operare a 5 GHz nell'Unione europea.
- Ti invitiamo a fare riferimento al manuale del prodotto o alla scheda tecnica per verificare se il tuo prodotto utilizza le frequenze 2,4 GHz e/o 5 GHz.

KENNISGEVING VAN DRAADLOOS RADIO LAN-GEBRUIK IN DE EUROPESE GEMEENSCHAP (ALLEEN VOOR DRAADLOOS PRODUCT)

- Dit toestel is beperkt tot gebruik binnenshuis wanneer het wordt gebruikt in de Europese Gemeenschap gebruik makend van kanalen in de 5.15-5.35 GHz band om de kans op interferentie te beperken.
- Dit toestel is een 2.4 GHz breedband transmissiesysteem (transceiver) dat bedoeld is voor gebruik in alle EU lidstaten en EFTA landen. Deze uitrusting mag gebruikt worden in AL, AD, BE, BG, DK, DE, FI, FR, GR, GW, IS, IT, HR, LI, LU, MT, MK, MD, MC, NL, NO, AT, PL, PT, RO, SM, SE, RS, SK, ES, CI, HU, CY

Gebruiksaanwijzingen:

- Om de gebruiksvoorschriften van het Europese Nationale spectrum na te leven, zullen frequentie- en kanaalbeperkingen worden toegepast op de producten volgens het land waar de uitrusting gebruikt zal worden.
- Dit toestel kan niet functioneren in Ad-hoc mode wanneer het gebruikt wordt in 5 GHz. Ad-hoc mode is directe peer-to-peer communicatie tussen twee klantenapparaten zonder een toegangspunt.
- Toegangspunten ondersteunen DFS (Dynamic Frequency Selection) en TPC (Transmit Power Control) functionaliteit zoals vereist bij gebruik in 5 GHz binnen de EU.
- Raadpleeg de handleiding of de datasheet om te controleren of uw product gebruik maakt van 2.4 GHz en/of 5 GHz.

SAFETY INSTRUCTIONS

The following general safety guidelines are provided to help ensure your own personal safety and protect your product from potential damage. Remember to consult the product user instructions for more details.

- Static electricity can be harmful to electronic components. Discharge static electricity from your body (i.e. touching grounded bare metal) before touching the product.
- Do not attempt to service the product and never disassemble the product. For some products with a user replaceable battery, please read and follow the instructions in the user manual.
- Do not spill food or liquid on your product and never push any objects into the openings of your product.
- Do not use this product near water, areas with high humidity, or condensation unless the product is specifically rated for outdoor application.
- Keep the product away from radiators and other heat sources.
- Always unplug the product from mains power before cleaning and use a dry lint free cloth only.

SICHERHEITSVORSCHRIFTEN

Die folgenden allgemeinen Sicherheitsvorschriften dienen als Hilfe zur Gewährleistung Ihrer eigenen Sicherheit und zum Schutz Ihres Produkts. Weitere Details finden Sie in den Benutzeranleitungen zum Produkt.

- Statische Elektrizität kann elektronischen Komponenten schaden. Um Schäden durch statische Aufladung zu vermeiden, leiten Sie elektrostatische Ladungen von Ihrem Körper ab, (z. B. durch Berühren eines geerdeten blanken Metallteils), bevor Sie das Produkt berühren.
- Unterlassen Sie jeden Versuch, das Produkt zu warten, und versuchen Sie nicht, es in seine Bestandteile zu zerlegen. Für einige Produkte mit austauschbaren Akkus lesen Sie bitte das Benutzerhandbuch und befolgen Sie die dort beschriebenen Anleitungen.
- Vermeiden Sie, dass Speisen oder Flüssigkeiten auf Ihr Produkt gelangen, und stecken Sie keine Gegenstände in die Gehäuseschlitze oder -öffnungen Ihres Produkts.
- Verwenden Sie dieses Produkt nicht in unmittelbarer Nähe von Wasser und nicht in Bereichen mit hoher Luftfeuchtigkeit oder Kondensation, es sei denn, es ist speziell zur Nutzung in Außenbereichen vorgesehen und eingestuft.
- Halten Sie das Produkt von Heizkörpern und anderen Quellen fern, die Wärme erzeugen.
- Trennen Sie das Produkt immer von der Stromzufuhr, bevor Sie es reinigen und verwenden Sie dazu ausschließlich ein trockenes fusselfreies Tuch.

CONSIGNES DE SÉCURITÉ

Les consignes générales de sécurité ci-après sont fournies afin d'assurer votre sécurité personnelle et de protéger le produit d'éventuels dommages. Veuillez consulter les consignes d'utilisation du produit pour plus de détails.

- L'électricité statique peut endommager les composants électroniques. Déchargez l'électricité statique de votre corps (en touchant un objet en métal relié à la terre par exemple) avant de toucher le produit.
- N'essayez pas d'intervenir sur le produit et ne le démontez jamais. Pour certains produits contenant une batterie remplaçable par l'utilisateur, veuillez lire et suivre les consignes contenues dans le manuel d'utilisation.
- Ne renversez pas d'aliments ou de liquide sur le produit et n'insérez jamais d'objets dans les orifices.
- N'utilisez pas ce produit à proximité d'un point d'eau, de zones très humides ou de condensation sauf si le produit a été spécifiquement conçu pour une application extérieure.
- Éloignez le produit des radiateurs et autres sources de chaleur.
- Débranchez toujours le produit de l'alimentation avant de le nettoyer et utilisez uniquement un chiffon sec non pelucheux.

INSTRUCCIONES DE SEGURIDAD

Las siguientes directrices de seguridad general se facilitan para ayudarle a garantizar su propia seguridad personal y para proteger el producto frente a posibles daños. No olvide consultar las instrucciones del usuario del producto para obtener más información.

- La electricidad estática puede resultar nociva para los componentes electrónicos. Descargue la electricidad estática de su cuerpo (p. ej., tocando algún metal sin revestimiento conectado a tierra) antes de tocar el producto.
- No intente realizar el mantenimiento del producto ni lo desmonte nunca. Para algunos productos con batería reemplazable por el usuario, lea y siga las instrucciones del manual de usuario.
- No derrame comida o líquidos sobre el producto y nunca deje que caigan objetos en las aberturas del mismo.
- No utilice este producto cerca del agua, en zonas con humedad o condensación elevadas a menos que el producto esté clasificado específicamente para aplicación en exteriores.
- Mantenga el producto alejado de los radiadores y de otras fuentes de calor.
- Desenchufe siempre el producto de la alimentación de red antes de limpiarlo y utilice solo un paño seco sin pelusa.

ISTRUZIONI PER LA SICUREZZA

Le seguenti linee guida sulla sicurezza sono fornite per contribuire a garantire la sicurezza personale degli utenti e a proteggere il prodotto da potenziali danni. Per maggiori dettagli, consultare le istruzioni per l'utente del prodotto.

- L'elettricità statica può essere pericolosa per i componenti elettronici. Scaricare l'elettricità statica dal corpo (ad esempio toccando una parte metallica collegata a terra) prima di toccare il prodotto.
- Non cercare di riparare il prodotto e non smontarlo mai. Per alcuni prodotti dotati di batteria sostituibile dall'utente, leggere e seguire le istruzioni riportate nel manuale dell'utente.
- Non versare cibi o liquidi sul prodotto e non spingere mai alcun oggetto nelle aperture del prodotto.
- Non usare questo prodotto vicino all'acqua, in aree con elevato grado di umidità o soggette a condensa a meno che il prodotto non sia specificatamente approvato per uso in ambienti esterni.
- Tenere il prodotto lontano da caloriferi e altre fonti di calore.
- Scollegare sempre il prodotto dalla presa elettrica prima di pulirlo e usare solo un panno asciutto che non lasci filacce.

VEILIGHEIDSinFORMATIE

De volgende algemene veiligheidsinformatie werd verstrekt om uw eigen persoonlijke veiligheid te waarborgen en uw product te beschermen tegen mogelijke schade. Denk eraan om de gebruikersinstructies van het product te raadplegen voor meer informatie.

- Statische elektriciteit kan schadelijk zijn voor elektronische componenten. Ontlaad de statische elektriciteit van uw lichaam (d.w.z. het aanraken van geaard bloot metaal) voordat u het product aanraakt.
- U mag nooit proberen het product te onderhouden en u mag het product nooit demonteren. Voor sommige producten met door de gebruiker te vervangen batterij, dient u de instructies in de gebruikershandleiding te lezen en te volgen.
- Mors geen voedsel of vloeistof op uw product en u mag nooit voorwerpen in de openingen van uw product duwen.
- Gebruik dit product niet in de buurt van water, gebieden met hoge vochtigheid of condensatie, tenzij het product specifiek geclassificeerd is voor gebruik buitenshuis.
- Houd het product uit de buurt van radiators en andere warmtebronnen.
- U dient het product steeds los te koppelen van de stroom voordat u het reinigt en gebruik uitsluitend een droge pluisvrije doek.

Disposing and Recycling Your Product



EN

ENGLISH



This symbol on the product or packaging means that according to local laws and regulations this product should not be disposed of in household waste but sent for recycling. Please take it to a collection point designated by your local authorities once it has reached the end of its life, some will accept products for free. By recycling the product and its packaging in this manner you help to conserve the environment and protect human health.

D-Link and the Environment

At D-Link, we understand and are committed to reducing any impact our operations and products may have on the environment. To minimise this impact D-Link designs and builds its products to be as environmentally friendly as possible, by using recyclable, low toxic materials in both products and packaging.

D-Link recommends that you always switch off or unplug your D-Link products when they are not in use. By doing so you will help to save energy and reduce CO2 emissions.

To learn more about our environmentally responsible products and packaging please visit www.dlinkgreen.com.

DEUTSCH

DE



Dieses Symbol auf dem Produkt oder der Verpackung weist darauf hin, dass dieses Produkt gemäß bestehender örtlicher Gesetze und Vorschriften nicht über den normalen Hausmüll entsorgt werden sollte, sondern einer Wiederverwertung zuzuführen ist. Bringen Sie es bitte zu einer von Ihrer Kommunalbehörde entsprechend amtlich ausgewiesenen Sammelstelle, sobald das Produkt das Ende seiner Nutzungsdauer erreicht hat. Für die Annahme solcher Produkte erheben einige dieser Stellen keine Gebühren. Durch ein auf diese Weise durchgeführtes Recycling des Produkts und seiner Verpackung helfen Sie, die Umwelt zu schonen und die menschliche Gesundheit zu schützen.

D-Link und die Umwelt

D-Link ist sich den möglichen Auswirkungen seiner Geschäftstätigkeiten und seiner Produkte auf die Umwelt bewusst und fühlt sich verpflichtet, diese entsprechend zu mindern. Zu diesem Zweck entwickelt und stellt D-Link seine Produkte mit dem Ziel größtmöglicher Umweltfreundlichkeit her und verwendet wiederverwertbare, schadstoffarme Materialien bei Produktherstellung und Verpackung.

D-Link empfiehlt, Ihre Produkte von D-Link, wenn nicht in Gebrauch, immer auszuschalten oder vom Netz zu nehmen. Auf diese Weise helfen Sie, Energie zu sparen und CO2-Emissionen zu reduzieren.

Wenn Sie mehr über unsere umweltgerechten Produkte und Verpackungen wissen möchten, finden Sie entsprechende Informationen im Internet unter www.dlinkgreen.com.

FRANÇAIS**FR**

Ce symbole apposé sur le produit ou son emballage signifie que, conformément aux lois et réglementations locales, ce produit ne doit pas être éliminé avec les déchets domestiques mais recyclé. Veuillez le rapporter à un point de collecte prévu à cet effet par les autorités locales; certains accepteront vos produits gratuitement. En recyclant le produit et son emballage de cette manière, vous aidez à préserver l'environnement et à protéger la santé de l'homme.

D-Link et l'environnement

Chez D-Link, nous sommes conscients de l'impact de nos opérations et produits sur l'environnement et nous engageons à le réduire. Pour limiter cet impact, D-Link conçoit et fabrique ses produits de manière aussi écologique que possible, en utilisant des matériaux recyclables et faiblement toxiques, tant dans ses produits que ses emballages.

D-Link recommande de toujours éteindre ou débrancher vos produits D-Link lorsque vous ne les utilisez pas. Vous réaliserez ainsi des économies d'énergie et réduirez vos émissions de CO2.

Pour en savoir plus sur les produits et emballages respectueux de l'environnement, veuillez consulter le www.dlinkgreen.com.

ESPAÑOL**ES**

Este símbolo en el producto o el embalaje significa que, de acuerdo con la legislación y la normativa local, este producto no se debe desechar en la basura doméstica sino que se debe reciclar. Llévelo a un punto de recogida designado por las autoridades locales una vez que ha llegado al fin de su vida útil; algunos de ellos aceptan recogerlos de forma gratuita. Al reciclar el producto y su embalaje de esta forma, contribuye a preservar el medio ambiente y a proteger la salud de los seres humanos.

D-Link y el medio ambiente

En D-Link, comprendemos y estamos comprometidos con la reducción del impacto que puedan tener nuestras actividades y nuestros productos en el medio ambiente. Para reducir este impacto, D-Link diseña y fabrica sus productos para que sean lo más ecológicos posible, utilizando materiales reciclables y de baja toxicidad tanto en los productos como en el embalaje.

D-Link recomienda apagar o desenchufar los productos D-Link cuando no se estén utilizando. Al hacerlo, contribuirá a ahorrar energía y a reducir las emisiones de CO2.

Para obtener más información acerca de nuestros productos y embalajes ecológicos, visite el sitio www.dlinkgreen.com.

ITALIANO**IT**

La presenza di questo simbolo sul prodotto o sulla confezione del prodotto indica che, in conformità alle leggi e alle normative locali, questo prodotto non deve essere smaltito nei rifiuti domestici, ma avviato al riciclo. Una volta terminato il ciclo di vita utile, portare il prodotto presso un punto di raccolta indicato dalle autorità locali. Alcuni questi punti di raccolta accettano gratuitamente i prodotti da riciclare. Scegliendo di riciclare il prodotto e il relativo imballaggio, si contribuirà a preservare l'ambiente e a salvaguardare la salute umana.

D-Link e l'ambiente

D-Link cerca da sempre di ridurre l'impatto ambientale dei propri stabilimenti e dei propri prodotti. Allo scopo di ridurre al minimo tale impatto, D-Link progetta e realizza i propri prodotti in modo che rispettino il più possibile l'ambiente, utilizzando materiali riciclabili a basso tasso di tossicità sia per i prodotti che per gli imballaggi.

D-Link raccomanda di spegnere sempre i prodotti D-Link o di scollegarne la spina quando non vengono utilizzati. In questo modo si contribuirà a risparmiare energia e a ridurre le emissioni di anidride carbonica.

Per ulteriori informazioni sui prodotti e sugli imballaggi D-Link a ridotto impatto ambientale, visitate il sito all'indirizzo **www.dlinkgreen.com**.

NEDERLANDS**NL**

Dit symbool op het product of de verpakking betekent dat dit product volgens de plaatselijke wetgeving niet mag worden weggegooid met het huishoudelijk afval, maar voor recyclage moeten worden ingeleverd. Zodra het product het einde van de levensduur heeft bereikt, dient u het naar een inzamelpunt te brengen dat hiertoe werd aangeduid door uw plaatselijke autoriteiten, sommige autoriteiten accepteren producten zonder dat u hiervoor dient te betalen. Door het product en de verpakking op deze manier te recyclen helpt u het milieu en de gezondheid van de mens te beschermen.

D-Link en het milieu

Bij D-Link spannen we ons in om de impact van onze handelingen en producten op het milieu te beperken. Om deze impact te beperken, ontwerpt en bouwt D-Link zijn producten zo milieuvriendelijk mogelijk, door het gebruik van recycleerbare producten met lage toxiciteit in product en verpakking.

D-Link raadt aan om steeds uw D-Link producten uit te schakelen of uit de stekker te halen wanneer u ze niet gebruikt. Door dit te doen bespaart u energie en beperkt u de CO₂-emissies.

Breng een bezoek aan **www.dlinkgreen.com** voor meer informatie over onze milieuverantwoorde producten en verpakkingen.

POLSKI**PL**

Ten symbol umieszczony na produkcie lub opakowaniu oznacza, że zgodnie z miejscowym prawem i lokalnymi przepisami niniejszego produktu nie wolno wyrzucać jak odpady czy śmieci z gospodarstwa domowego, lecz należy go poddać procesowi recyklingu. Po zakończeniu użytkowania produktu, niektóre odpowiednie do tego celu podmioty przyjmą takie produkty nieodpłatnie, dlatego prosimy dostarczyć go do punktu zbiórki wskazanego przez lokalne władze. Poprzez proces recyklingu i dzięki takiemu postępowaniu z produktem oraz jego opakowaniem, pomogą Państwo chronić środowisko naturalne i dbać o ludzkie zdrowie.

D-Link i środowisko

D-Link podchodzimy w sposób świadomy do ochrony otoczenia oraz jesteśmy zaangażowani w zmniejszanie wpływu naszych działań i produktów na środowisko naturalne. W celu zminimalizowania takiego wpływu firma D-Link konstruuje i wytwarza swoje produkty w taki sposób, aby były one jak najbardziej przyjazne środowisku, stosując do tych celów materiały nadające się do powtórnego wykorzystania, charakteryzujące się małą toksycznością zarówno w przypadku samych produktów jak i opakowań.

Firma D-Link zaleca, aby Państwo zawsze prawidłowo wyłączali z użytku swoje produkty D-Link, gdy nie są one wykorzystywane. Postępując w ten sposób pozwalają Państwo oszczędzać energię i zmniejszać emisje CO₂.

Aby dowiedzieć się więcej na temat produktów i opakowań mających wpływ na środowisko prosimy zapoznać się ze stroną Internetową www.dlinkgreen.com.

ČESKY**CZ**

Tento symbol na výrobku nebo jeho obalu znamená, že podle místně platných předpisů se výrobek nesmí vyhazovat do komunálního odpadu, ale odeslat k recyklaci. Až výrobek doslouží, odnese jej prosím na sběrné místo určené místními úřady k tomuto účelu. Někteří sběrná místa přijímají výrobky zdarma. Recyklací výrobku i obalu pomáháte chránit životní prostředí i lidské zdraví.

D-Link a životní prostředí

Ve společnosti D-Link jsme si vědomi vlivu našich provozů a výrobků na životní prostředí a snažíme se o minimalizaci těchto vlivů. Proto své výrobky navrhujeme a vyrábíme tak, aby byly co nejekologičtější, a ve výrobcích i obalech používáme recyklovatelné a nízkotoxické materiály.

Společnost D-Link doporučuje, abyste své výrobky značky D-Link vypnuli nebo vytáhli ze zásuvky vždy, když je nepoužíváte. Pomůžete tak šetřit energii a snížit emise CO₂.

Více informací o našich ekologických výrobcích a obalech najdete na adrese www.dlinkgreen.com.

MAGYAR**HU**

Ez a szimbólum a terméken vagy a csomagoláson azt jelenti, hogy a helyi törvényeknek és szabályoknak megfelelően ez a termék nem semmisíthető meg a háztartási hulladékkal együtt, hanem újrahasznosításra kell küldeni. Kérjük, hogy a termék élettartamának elteltét követően vigye azt a helyi hatóság által kijelölt gyűjtőhelyre. A termékek egyes helyeken ingyen elhelyezhetők. A termék és a csomagolás újrahasznosításával segíti védeni a környezetet és az emberek egészségét.

A D-Link és a környezet

A D-Linknél megértjük és elköteleztük magunkat a műveleteink és termékeink környezetre gyakorolt hatásainak csökkentésére. Az ezen hatás csökkentése érdekében a D-Link a lehető leginkább környezetbarát termékeket tervez és gyárt azáltal, hogy újrahasznosítható, alacsony károsanyag-tartalmú termékeket gyárt és csomagolásokat alkalmaz.

A D-Link azt javasolja, hogy mindig kapcsolja ki vagy húzza ki a D-Link termékeket a tápforrásból, ha nem használja azokat. Ezzel segít az energia megtakarításában és a széndioxid kibocsátásának csökkentésében.

Környezetbarát termékeinkről és csomagolásainkról további információkat a www.dlinkgreen.com weboldalon tudhat meg.

NORSK**NO**

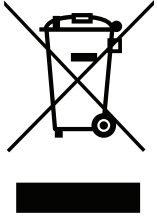
Dette symbolet på produktet eller forpakningen betyr at dette produktet ifølge lokale lover og forskrifter ikke skal kastes sammen med husholdningsavfall, men leveres inn til gjenvinning. Vennligst ta det til et innsamlingssted anvist av lokale myndigheter når det er kommet til slutten av levetiden. Noen steder aksepteres produkter uten avgift. Ved på denne måten å gjenvinne produktet og forpakningen hjelper du å verne miljøet og beskytte folks helse.

D-Link og miljøet

Hos D-Link forstår vi oss på og er forpliktet til å minske innvirkningen som vår drift og våre produkter kan ha på miljøet. For å minimalisere denne innvirkningen designer og lager D-Link produkter som er så miljøvennlig som mulig, ved å bruke resirkulerbare, lav-toksiske materialer både i produktene og forpakningen.

D-Link anbefaler at du alltid slår av eller frakobler D-Link-produkter når de ikke er i bruk. Ved å gjøre dette hjelper du å spare energi og å redusere CO2-utslipp.

For mer informasjon angående våre miljøansvarlige produkter og forpakninger kan du gå til www.dlinkgreen.com.

DANSK**DK**

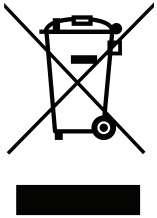
Dette symbol på produktet eller emballagen betyder, at dette produkt i henhold til lokale love og regler ikke må bortskaffes som husholdningsaffald, mens skal sendes til genbrug. Indlever produktet til et indsamlingssted som angivet af de lokale myndigheder, når det er nået til slutningen af dets levetid. I nogle tilfælde vil produktet blive modtaget gratis. Ved at indlevere produktet og dets emballage til genbrug på denne måde bidrager du til at beskytte miljøet og den menneskelige sundhed.

D-Link og miljøet

Hos D-Link forstår vi og bestræber os på at reducere enhver indvirkning, som vores aktiviteter og produkter kan have på miljøet. For at minimere denne indvirkning designer og producerer D-Link sine produkter, så de er så miljøvenlige som muligt, ved at bruge genanvendelige materialer med lavt giftighedsniveau i både produkter og emballage.

D-Link anbefaler, at du altid slukker eller frakobler dine D-Link-produkter, når de ikke er i brug. Ved at gøre det bidrager du til at spare energi og reducere CO₂-udledningerne.

Du kan finde flere oplysninger om vores miljømæssigt ansvarlige produkter og emballage på www.dlinkgreen.com.

SUOMI**FI**

Tämä symboli tuotteen pakkauksessa tarkoittaa, että paikallisten lakien ja säännösten mukaisesti tätä tuotetta ei pidä hävittää yleisen kotitalousjätteen seassa vaan se tulee toimittaa kierrätettäväksi. Kun tuote on elinkaarensa päässä, toimita se lähimpään viranomaisten hyväksymään kierrätyspisteeseen. Kierrättämällä käytetyn tuotteen ja sen pakkauksen autat tukemaan sekä ympäristön että ihmisten terveyttä ja hyvinvointia.

D-Link ja ympäristö

D-Link ymmärtää ympäristönsuojelun tärkeyden ja on sitoutunut vähentämään tuotteistaan ja niiden valmistuksesta ympäristölle mahdollisesti aiheutuvia haittavaikutuksia. Nämä negatiiviset vaikutukset minimoidakseen D-Link suunnittelee ja valmistaa tuotteensa mahdollisimman ympäristöystävällisiksi käyttämällä kierrätettäviä, alhaisia pitoisuuksia haitallisia aineita sisältäviä materiaaleja sekä tuotteissaan että niiden pakkauksissa.

Suosittellemme, että irrotat D-Link-tuotteesi virtalähteestä tai sammutat ne aina, kun ne eivät ole käytössä. Toimimalla näin autat säästämään energiaa ja vähentämään hiilidioksiidipäästöjä.

Lue lisää ympäristöystävällisistä D-Link-tuotteista ja pakkauksistamme osoitteesta www.dlinkgreen.com.

SVENSKA**SE**

Den här symbolen på produkten eller förpackningen betyder att produkten enligt lokala lagar och föreskrifter inte skall kastas i hushållssoporna utan i stället återvinnas. Ta den vid slutet av dess livslängd till en av din lokala myndighet utsedd uppsamlingsplats, vissa accepterar produkter utan kostnad. Genom att på detta sätt återvinna produkten och förpackningen hjälper du till att bevara miljön och skydda människors hälsa.

D-Link och miljön

På D-Link förstår vi och är fast beslutna att minska den påverkan våra verksamheter och produkter kan ha på miljön. För att minska denna påverkan utformar och bygger D-Link sina produkter för att de ska vara så miljövänliga som möjligt, genom att använda återvinningsbara material med låg gifthalt i både produkter och förpackningar.

D-Link rekommenderar att du alltid stänger av eller kopplar ur dina D-Link produkter när du inte använder dem. Genom att göra detta hjälper du till att spara energi och minska utsläpp av koldioxid.

För mer information om våra miljöansvariga produkter och förpackningar www.dlinkgreen.com.

PORTUGUÊS**PT**

Este símbolo no produto ou embalagem significa que, de acordo com as leis e regulamentações locais, este produto não deverá ser eliminado juntamente com o lixo doméstico mas enviado para a reciclagem. Transporte-o para um ponto de recolha designado pelas suas autoridades locais quando este tiver atingido o fim da sua vida útil, alguns destes pontos aceitam produtos gratuitamente. Ao reciclar o produto e respectiva embalagem desta forma, ajuda a preservar o ambiente e protege a saúde humana.

A D-Link e o ambiente

Na D-Link compreendemos e comprometemo-nos com a redução do impacto que as nossas operações e produtos possam ter no ambiente. Para minimizar este impacto a D-Link concebe e constrói os seus produtos para que estes sejam o mais inofensivos para o ambiente possível, utilizando materiais recicláveis e não tóxicos tanto nos produtos como nas embalagens.

A D-Link recomenda que desligue os seus produtos D-Link quando estes não se encontrarem em utilização. Com esta acção ajudará a poupar energia e reduzir as emissões de CO₂.

Para saber mais sobre os nossos produtos e embalagens responsáveis a nível ambiental visite www.dlinkgreen.com.