D-Link
Building Networks for People

covr
USER MANUAL

Covr your Whole Home in Seamless Mesh Wi-Fi

Wi-Fi CERTIFIED
Wi-Fi CERTIFIED EasyMesh™

High Performance

One Seamless Network

More Coverage

COVR-1100 || COVR-1102 || COVR-1103
AC1200 Dual Band Whole Home Mesh Wi-Fi System

works with the Google Assistant

JUST ASK amazon alexa

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	September 03, 2019	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: 3.5 watts

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Package Contents

COVR-1100 - COVR Point Router (x 1)
COVR-1102 - COVR Point Router (x 2)
COVR-1103 - COVR Point Router (x 3)

Power adapter (x 1)
Power adapter (x 2)
Power adapter (x 3)

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 802.11ac/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 and Features

Introducing the AC1200 Dual Band Whole Home Mesh Wi-Fi System, a seamless Wi-Fi solution that's the perfect fit for your modern home. It features high-performance COVR Points that blanket every square inch of your home with high-speed AC1200 dual band Wi-Fi as well as two on-board Gigabit Ethernet ports (per unit) for wired connectivity. With COVR, you enjoy Wi-Fi that's stable, consistent, and truly seamless. Featuring integrated voice assistant compatibility for Amazon Alexa and the Google Assistant, you can control your network with voice commands.

Create or Expand your COVR Network

Gone are the days of only being able to use Wi-Fi in certain areas of your home. The AC1200 Dual Band Whole Home Mesh Wi-Fi System allows you to easily expand your COVR mesh network just by adding on a COVR-1100 unit wherever you need more Wi-Fi coverage. Thanks to revolutionary Smart Roaming technology, the COVR unit continuously scans the wireless signal strength to your devices, automatically connecting them to the strongest signal available. The COVR units handle the transfer seamlessly, allowing you to walk from room to room without experiencing dropped VoIP calls or frozen video streams. You enjoy seamless connectivity no matter where you are in the house.

High-Performance, Flexible Mesh Network

Wi-Fi CERTIFIED EasyMesh™ means easy to use, self-adapting Wi-Fi with greater flexibility in device choice. Each COVR-1100 unit is equipped with industry standard Wi-Fi CERTIFIED EasyMesh™ technology. Your COVR points work together to form a self-organizing and self-optimizing network which collects information and responds to network conditions to maximize performance. From 1-storey apartments to 4-storey houses, and from basements to back decks, COVR's got you covered.

High-Speed Wired and Wireless Connectivity

With your COVR System you can bring the full potential of Wireless AC speeds of up to 1200 Mbps to any area in your home, including dead spots. The COVR System creates its own exclusive high-speed Wi-Fi zone for communication with your wireless devices, allowing you to fully experience demanding multimedia applications from anywhere in your home. The COVR unit is also equipped with optional Ethernet Backhaul connectivity so that you can optimize the connection between COVR units no matter what's between them. In addition, the Gigabit Ethernet ports give you solid, dependable wired performance for devices such as Network Attached Storage (NAS), media centers, and gaming consoles.

MU-MIMO and Smart Steering Technology

The COVR AC1200 Dual Band Whole Home Mesh Wi-Fi System features multi-user multiple input, multiple output (MU-MIMO) Wi-Fi, which transmits multiple separate data streams to each wireless device simultaneously to increase speed and efficiency. Enjoy increased throughput and seamless high-definition streaming media, Internet phone calls, online gaming, and content-rich web surfing throughout your entire home or office with COVR.

Additionally, the COVR units are equipped with dual-band radios and intelligent Smart Steering. Don't worry if you don't know your 2.4 Ghz from your 5 Ghz, COVR automatically places your device on the optimal wireless band depending on network traffic conditions. With COVR, this happens seamlessly without dropouts, lag, or interruption to your wireless connection, and most importantly - without you ever lifting a finger.

Always Up-to-Date with the Latest Features

Tired of having to visit the website or manually going to the router's UI every so often to check for the latest firmware? The COVR unit will automatically check daily for updates to make sure that the device always has the latest features and the most secure firmware, and will install the update silently in the background. For an extra peace of mind, in the event of failure during the firmware update, the router will store a backup system image in the memory before proceeding with the update.

Simple Setup and Configuration

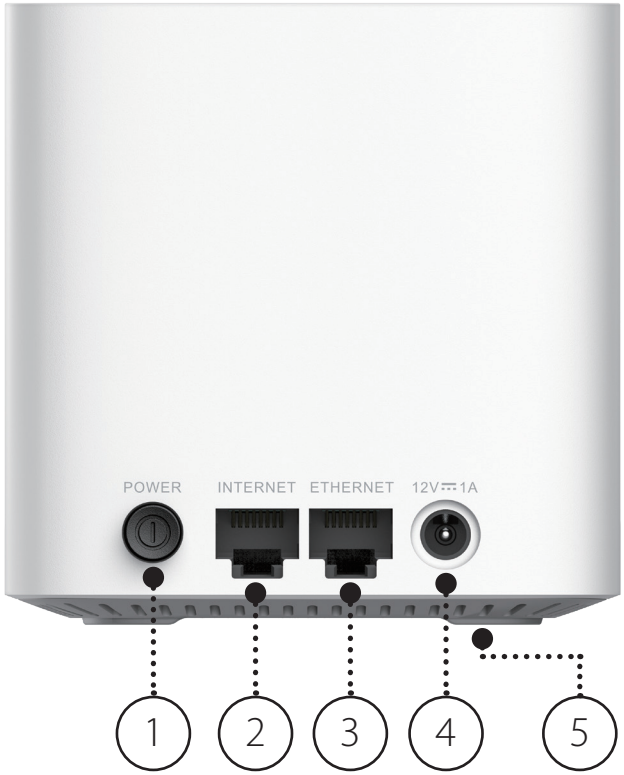
The COVR AC1200 Dual Band Whole Home Mesh Wi-Fi System provides you with a home networking solution that is quick and easy to set up. The COVR System works straight out of the box, so you just need to plug it in to get started. Configure your network in no time with the free D-Link Wi-Fi app on your Android or iOS compatible device, or by using the intuitive web-based interface.

Hardware Overview

COVR-1100 LED Indicator

1	**Status LED**	Solid red	The COVR-1100 is booting up.
		Blinking orange	The COVR-1100 is syncing to another COVR-1100 COVR Point. Once set up, a blinking orange LED indicates there is no connection to the device.
		Blinking white	Once set up, a blinking white LED indicates a weak connection.
		Solid white	The COVR-1100 is powered on and running. Once set up, a solid white LED indicates a strong connection.
		Off	The COVR-1100 is powered off. If the device is powered on and Status LED is disabled, the device is working as normal. Refer to the **Admin** section on 58 for more information.

COVR-1100 Rear Panel



1	**Power Button**	Press the power button to power the device on or off.
2	**Internet WAN Port**	Using an Ethernet cable, connect your broadband modem to this port.
3	**Ethernet LAN Port**	Connect Ethernet devices such as computers, switches, storage (NAS) devices, and game consoles.
4	**Power Connector**	Connect the included power adapter here to power on the device.
5	**Reset Button**	Insert a paperclip in the hole, wait for 5 seconds, then release to reset the router to default settings.

D-Link Wi-Fi App Setup

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

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

Step 1
Search and install the free **D-Link Wi-Fi** app available on the App Store or on Google Play. You can also scan the QR code on the right, which will take you to the respective D-Link Wi-Fi app store page.

Download on the App Store

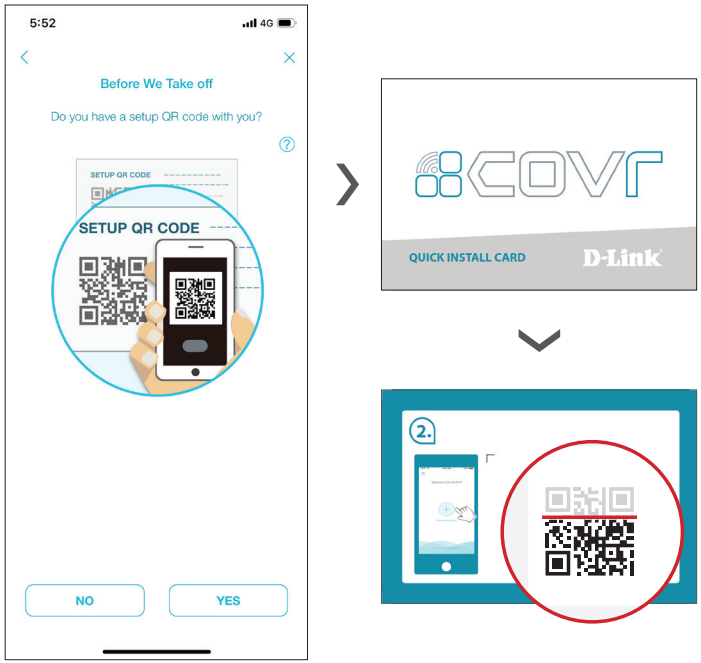
GET IT ON Google Play

Step 2
Launch the D-Link Wi-Fi app from the home screen of your device.

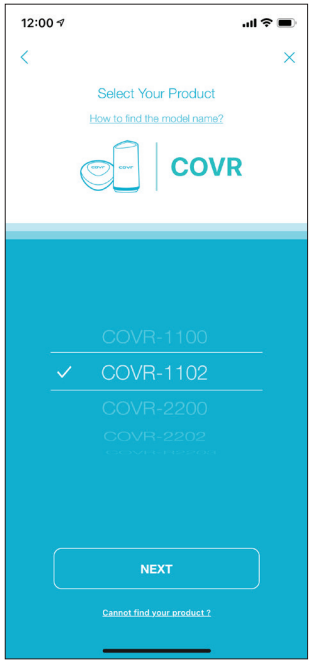
D-Link Wi-Fi

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
Choose **COVR** from the product options and select **COVR-1100, COVR-1102** or **COVR-1103** from the list of available devices depending on your COVR system. Tap **Next** to continue.

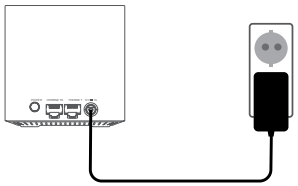


Step 6
You will now be guided through a step-by-step process for setting up your COVR network. Simply follow the on-screen instructions to complete the installation and the configuration process.

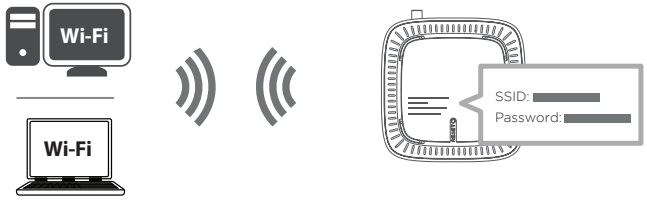
Web Based Installation

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

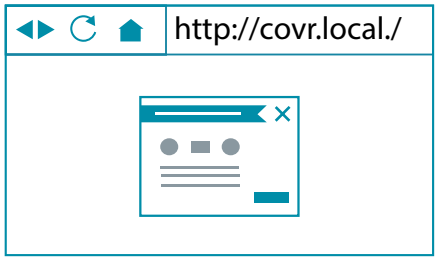
Step 1
Position the COVR Point close to your Internet-connected modem. Next, connect the power adapter and plug the COVR Point into a power outlet.



Step 2
Wait for the COVR Point to boot up. When the Status LED starts blinking orange, wirelessly connect your computer to the Wi-Fi name (SSID) printed on the back of the device, or on the included Quick Install Card.



Step 3
Type **http://covr.local./** into a web browser and follow the on-screen instructions to complete the setup.



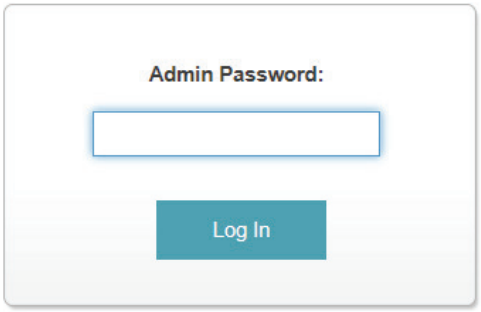
Your AC1200 Dual Band Whole Home Mesh Wi-Fi System is now set up and ready to use. You can now configure your COVR Wi-Fi settings using the free D-Link Wi-Fi mobile app or the web-based user interface. Refer to the **Configuration** section on page **10** for more information on configuring your network using the web-based user interface.

Configuration

To access the web configuration utility, open a web browser such as Internet Explorer and enter **http://covr.local./** in the address bar.

If you want to access the web interface using a wireless connection, connect to your COVR Wi-Fi, then open a web browser such as Internet Explorer and enter **http://covr.local./** in the address bar.

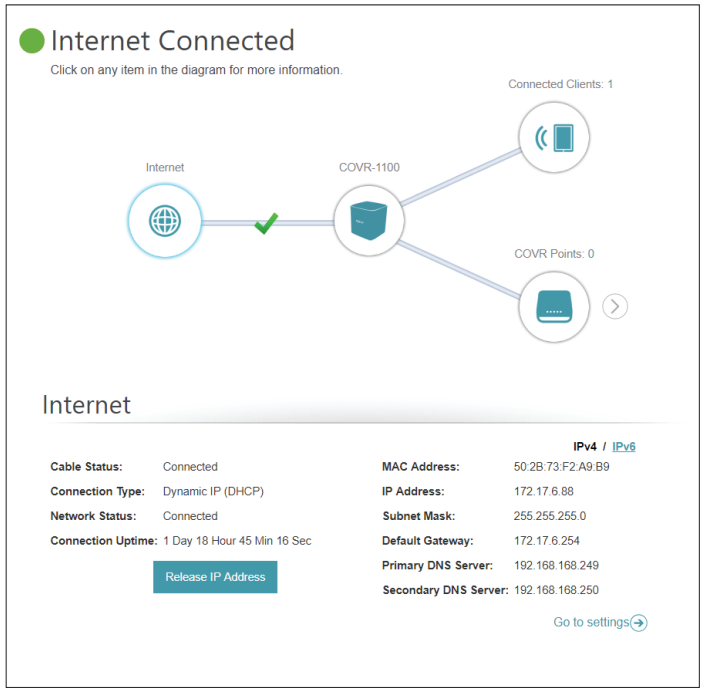
Note: If you have previously changed the Management Link in the Network settings, use this link to access the web user interface instead.



When prompted, enter your password. If you previously followed the setup wizard, please use the admin password you entered during the wizard. Otherwise, leave the password blank. Click **Log In** to proceed.

Note: If you cannot remember your password and cannot log in, press the Reset button on the bottom of the device with an unfolded paper clip to restore the device to its default settings. Refer to **Resetting your Device** on page **79** for more information.

When you are logged in, the device's home page will open, displaying its current connection status.

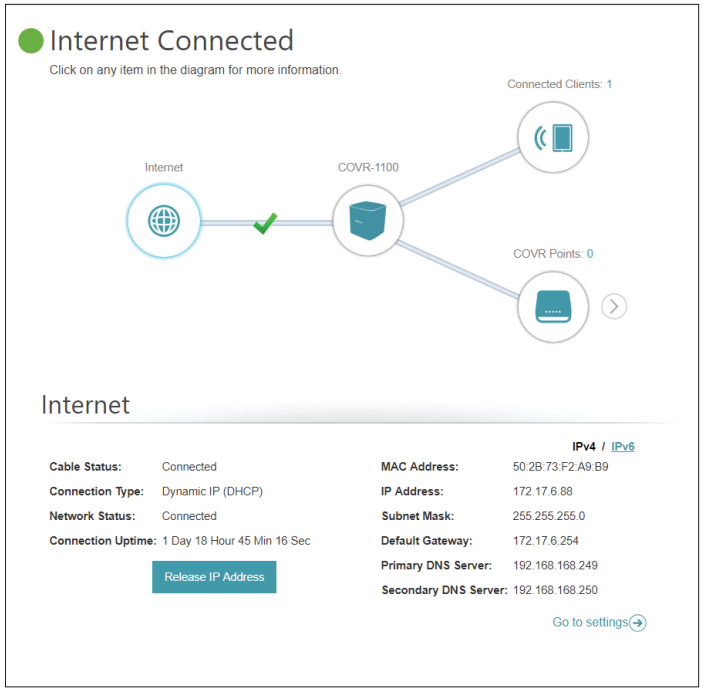


The bar at the top of the page has quick access to Settings , Features, and Management functions. You may quickly jump back Home at any time.

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

Home

The Home page displays the current status of your COVR 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.



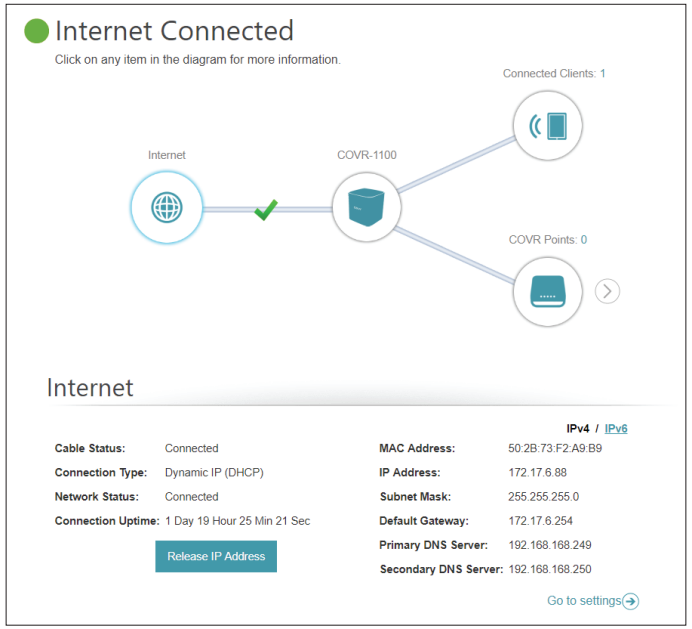
Internet

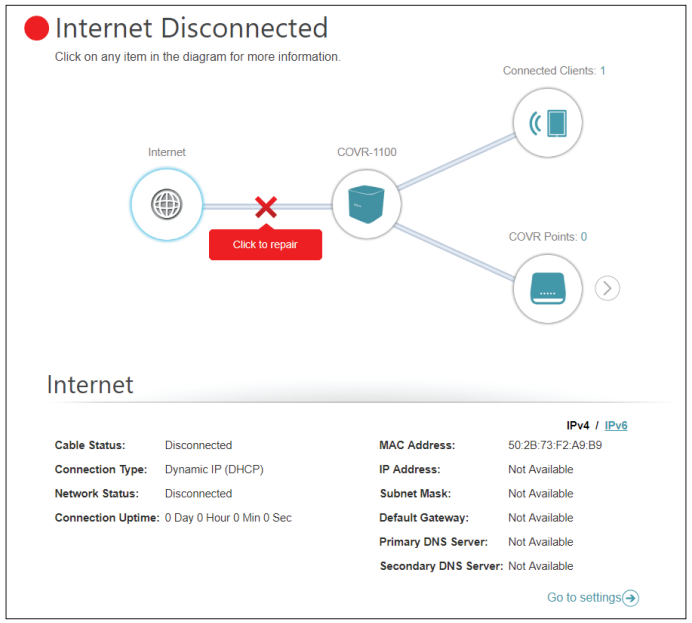
Click on the **Internet** icon to bring up more details about your Internet connection. Click **IPv4** or **IPv6** to see details of the IPv4 and IPv6 connection respectively.

The Home page displays whether or not the master COVR Point 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 16** 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**.

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

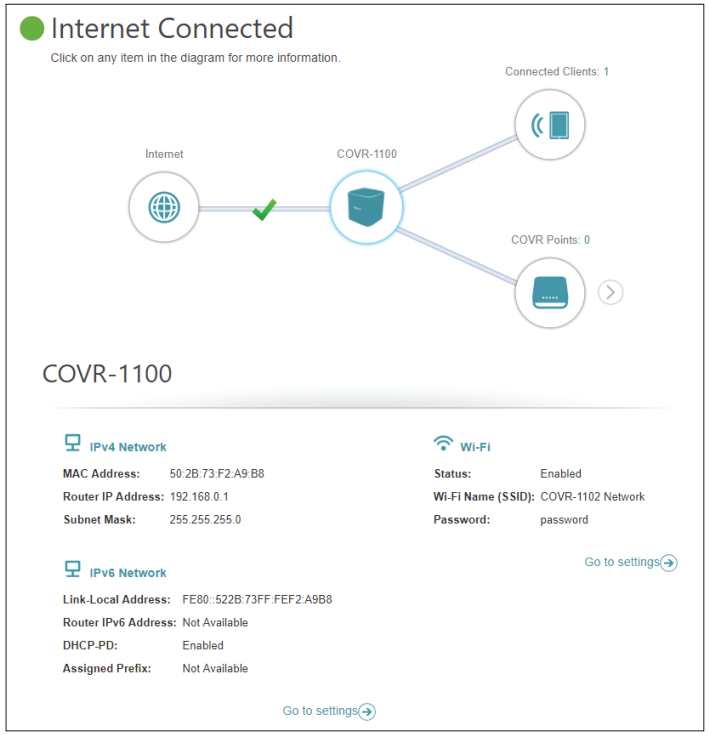




COVR-1100

Click on the **COVR-1100** icon to view details about the COVR Point's wireless and local network settings. This includes IPv4 and IPv6 local network, and Wi-Fi information.

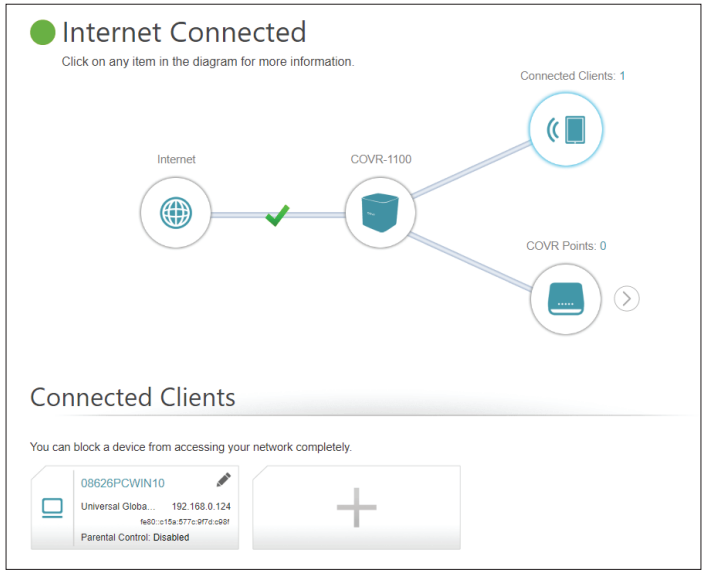
This overview is only informational. To configure these sections, refer to the corresponding configuration sections in this manual.



Connected Clients

Click on the **Connected Clients** icon to view details about the clients currently connected to your COVR 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 **55** for more information.

Click **Save** when you are done.

COVR Points

Click on the **COVR Points** icon to view details about all additional COVR Points in your COVR whole home Wi-Fi network.

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

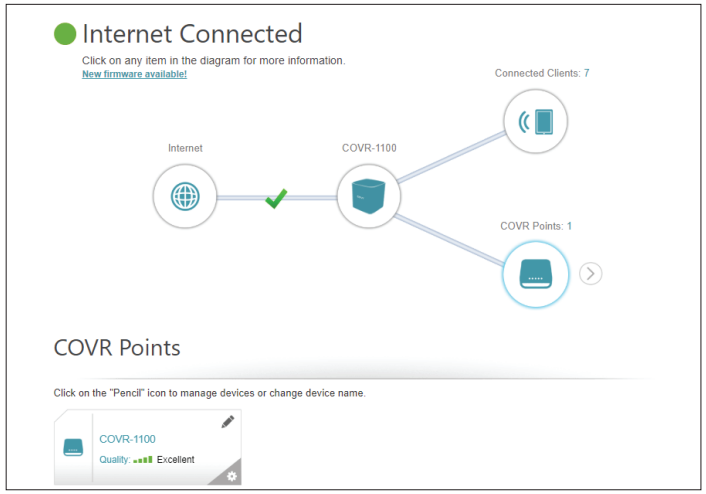
To reboot a COVR Point, click the settings icon in the bottom-right of the COVR Point's box and click **Reboot**.

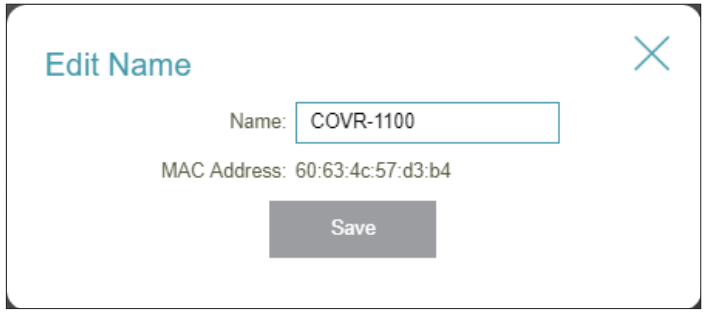
To remove a COVR Point from your COVR Wi-Fi network, click the settings icon in the bottom-right of the COVR Point's box and click **Remove**.

Name: Enter a name for the COVR Point.

MAC Address: Displays the MAC address of the COVR Point.

Click **Save** when you are done.





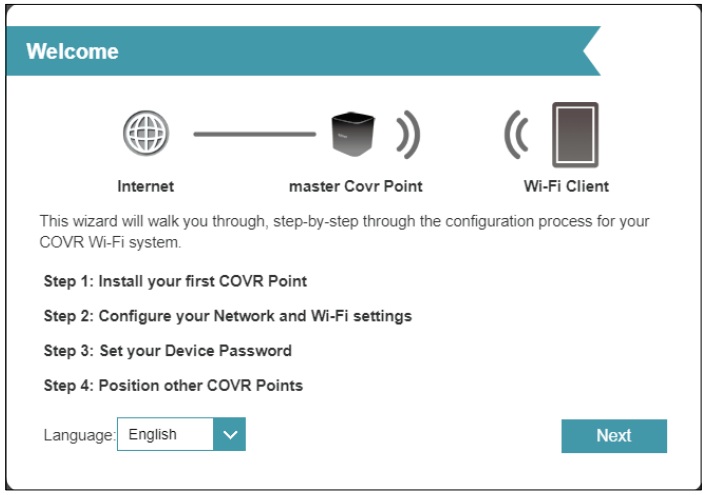
Settings

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.

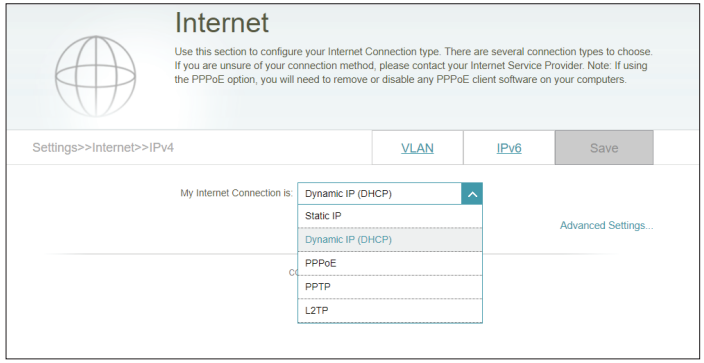
This Wizard will also launch when clicking the **Click to Repair** button when no Internet connection is detected.

Refer to **Manual Installation** on 9 for more information.



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 18.

For **Static IP** refer to 19.

For **PPPoE** refer to 20.

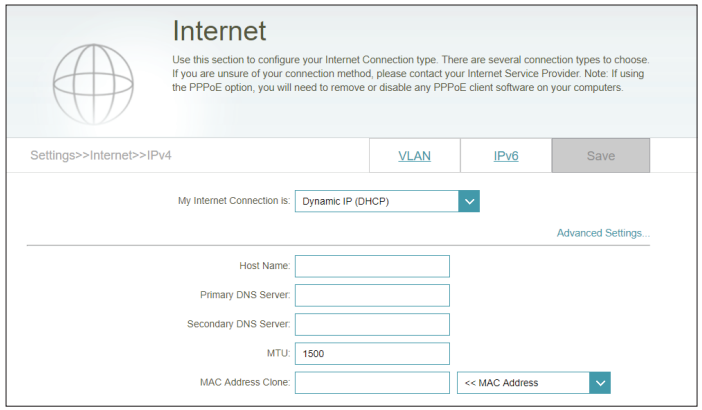
For **PPTP** refer to 22.

For **L2TP** refer to 24.

To configure an IPv6 connection, click the **IPv6** link. Refer to 26.

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.

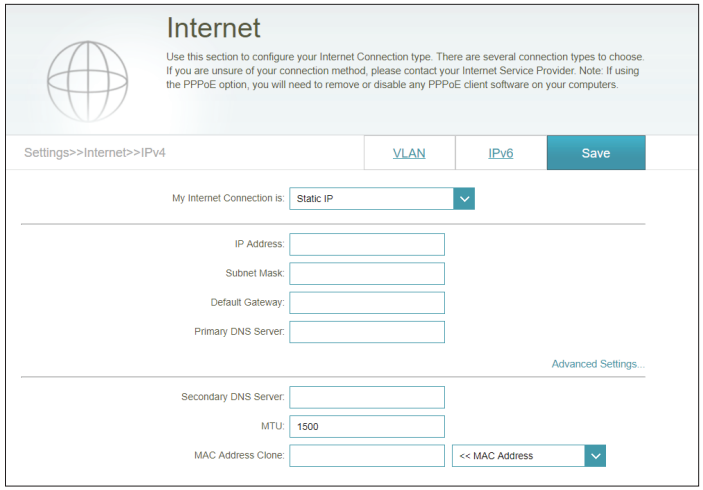
Secondary DNS Server: Enter the secondary DNS server IP address assigned by your ISP. This address is usually obtained automatically from your ISP.

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 master COVR Point. 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.

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.

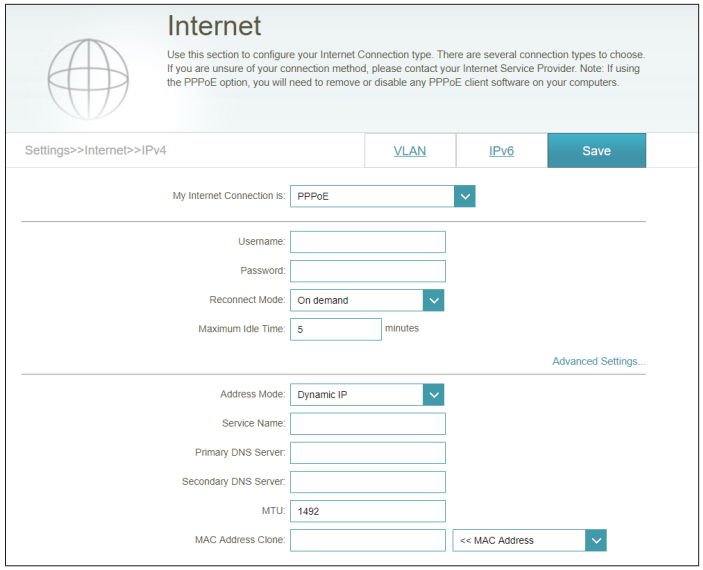
MTU: Maximum Transmission Unit - you may need to change the MTU for optimal performance with your ISP.

MAC Address Clone: The default MAC address is set to the physical interface MAC address of port **1** on the master COVR Point. 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.

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:

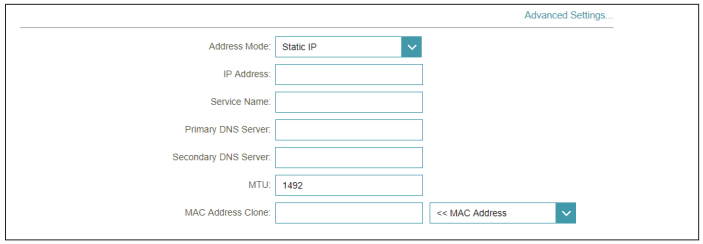
Service Name: Enter the ISP service name (optional).

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.

PPPoE (continued)



MAC Address Clone: The default MAC address is set to the physical interface MAC address of port **1** on the master COVR Point. 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.

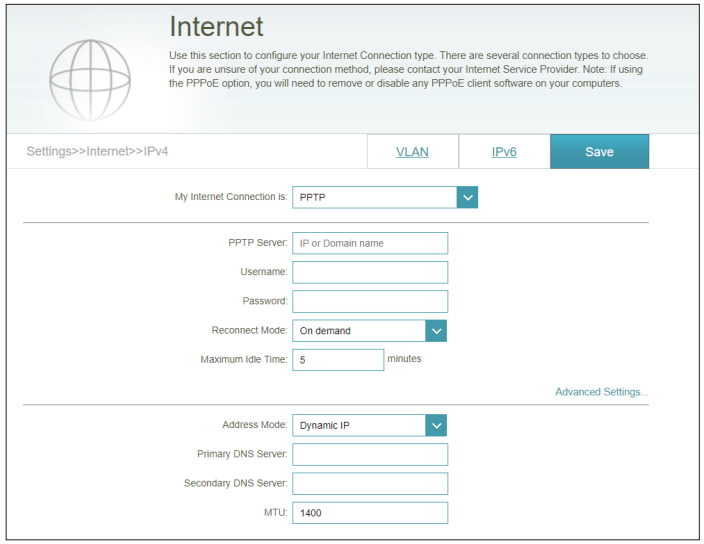
MTU: Maximum Transmission Unit - you may need to change the MTU for optimal performance with your ISP.

MAC Address Clone: The default MAC address is set to the physical interface MAC address of port **1** on the master COVR Point. 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.

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**.

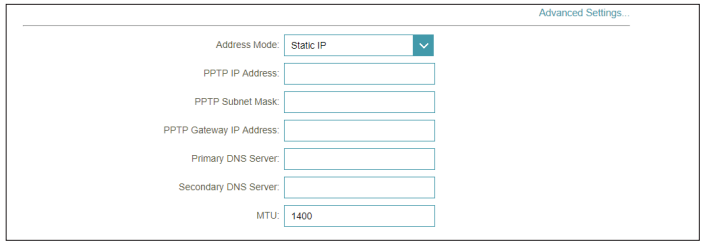
If you selected **Dynamic IP** as the Address Mode:

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.

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.

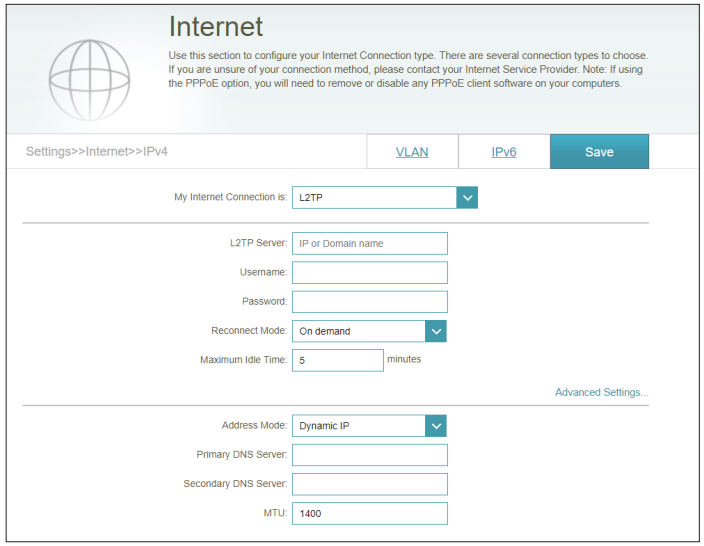
Primary DNS Server: Enter the primary DNS server IP address assigned by your ISP.

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.

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**.

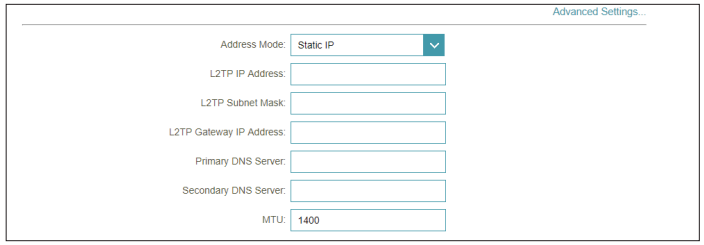
If you selected **Dynamic IP** as the Address Mode:

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.

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.

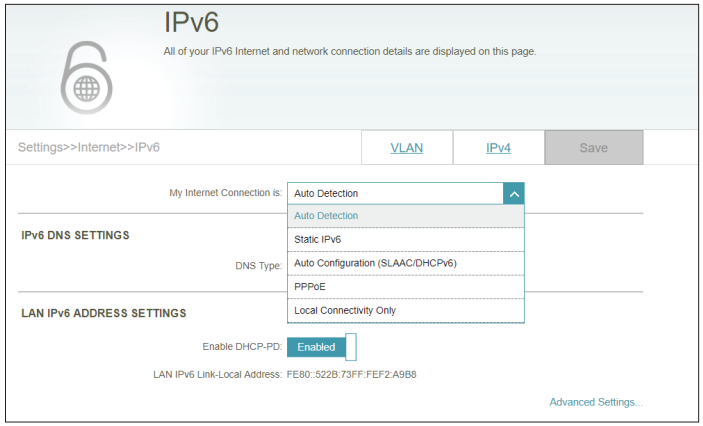
Secondary DNS Server: Enter the secondary DNS server IP address assigned by your ISP.

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

Click **Save** when you are done.

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 **Auto Detection** refer to 27.

For **Static IPv6** refer to 29.

For **Auto Configuration (SLAAC/DHCPv6)** refer to 31.

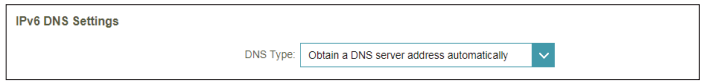
For **PPPoE** refer to 33.

For **Local Connectivity Only** refer to 36.

Auto Detection

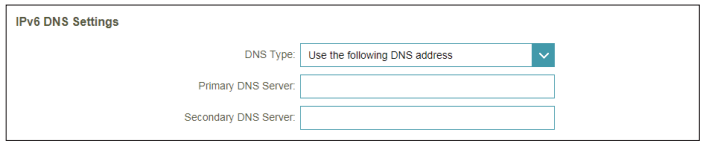
Select **Auto Detection** to automatically detect the IPv6 connection method used by your Internet Service Provider (ISP). If Auto Detection fails, you can manually select another IPv6 connection type.

IPv6 DNS Settings



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

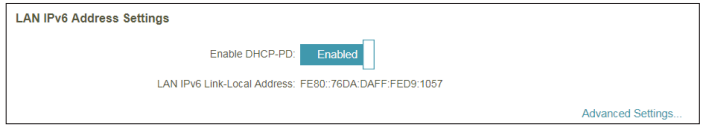
If **Use the following DNS address** is selected:



Primary DNS Server: Enter the primary DNS server address.

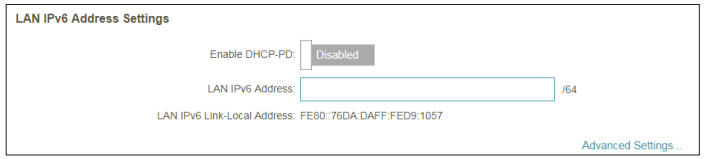
Secondary DNS Server: Enter the secondary DNS server address.

LAN IPv6 Address Settings



Enable DHCP-PD: Enable or disable DHCP Prefix Delegation.

LAN IPv6 Link-Local Address: Displays the master COVR Point's LAN link-local address.



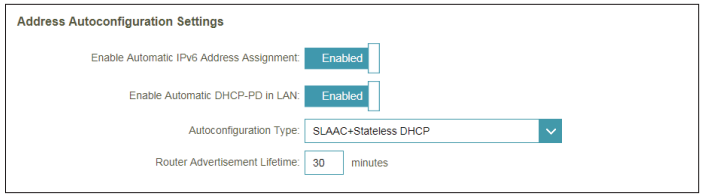
If **Enable DHCP-PD** is disabled, these additional parameters are available for configuration:

LAN IPv6 Address: Enter a valid LAN IPv6 address.

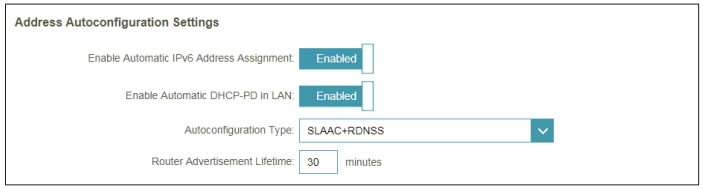
LAN IPv6 Link-Local Address: Displays the master COVR Point's LAN link-local address.

Auto Detection (Continued)

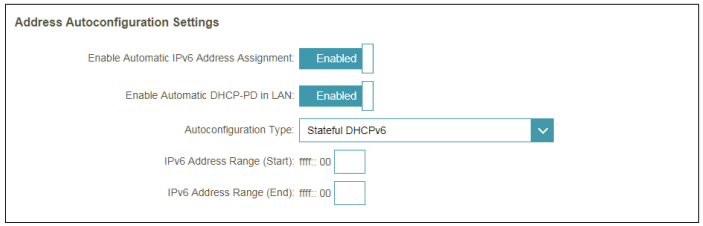
Advanced Settings - Address Autoconfiguration Settings



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



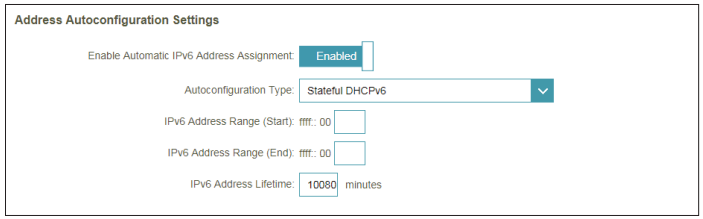
Enable Automatic DHCP-PD in LAN: Enable or disable DHCP-PD for other IPv6 routers connected to the LAN interface. This option is only available if **Enable DHCP-PD** is enabled.
Note: *This feature requires a smaller subnet prefix than /64 (i.e. allowing for a larger address allocation), such as /63.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

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.

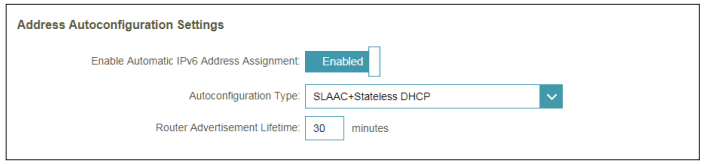
LAN IPv6 Address Settings

LAN IPv6 Address: Enter the LAN (local) IPv6 address for the master COVR Point.

LAN IPv6 Link-Local Address: Displays the master COVR Point's LAN link-local address.

Static IPv6 (Continued)

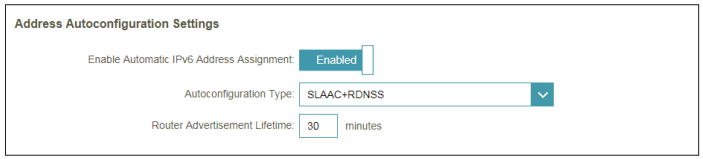
Advanced Settings - Address Autoconfiguration Settings



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

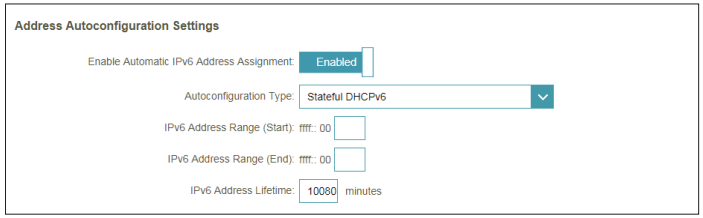
Autoconfiguration Type: Select **SLAAC+RDNSS, SLAAC+Stateless DHCP,** or **Stateful DHCPv6**.

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.

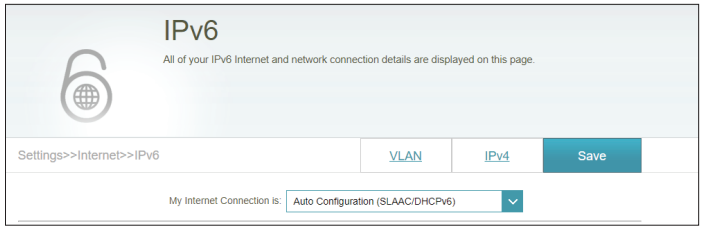
IPv6 Address Range (End): Enter the ending IPv6 address for the DHCP server's IPv6 assignment.

IPv6 Address Lifetime: Enter the IPv6 address lifetime (in minutes).

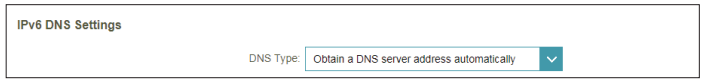
Click **Save** when you are done.

Auto Configuration (SLAAC/DHCPv6)

Select **Auto Configuration** if your ISP assigns your IPv6 address when your router requests one from the ISP's server. Some ISPs require you to adjust settings on your side before your router can connect to the IPv6 Internet.

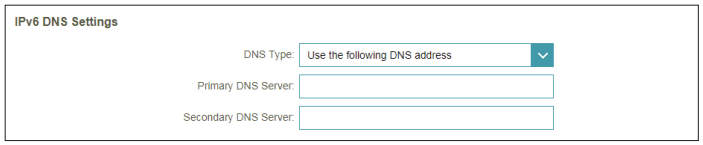


IPv6 DNS Settings



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

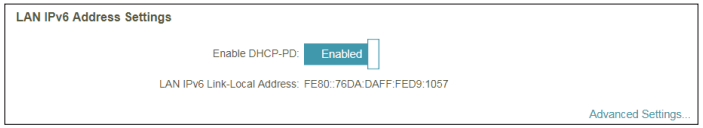
If **Use the following DNS address** is selected:



Primary DNS Server: Enter the primary DNS server address.

Secondary DNS Server: Enter the secondary DNS server address.

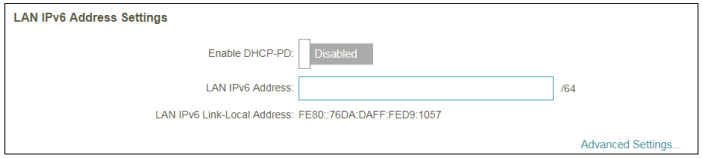
LAN IPv6 Address Settings



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

LAN IPv6 Link-Local Address: Displays the master COVR Point's LAN link-local address.

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

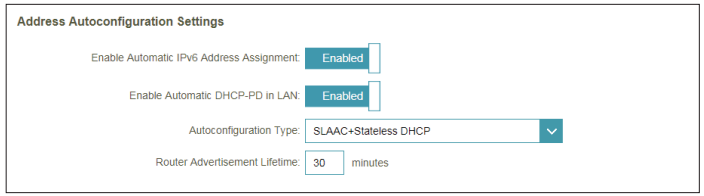


LAN IPv6 Address: Enter a valid LAN IPv6 address.

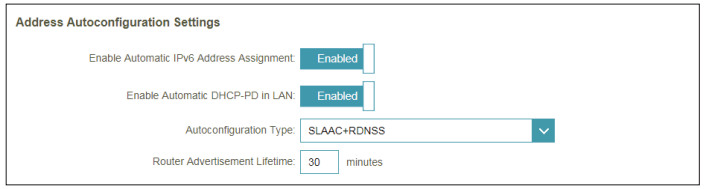
LAN IPv6 Link-Local Address: Displays the master COVR Point's LAN link-local address.

Auto Configuration (SLAAC/DHCPv6) (Continued)

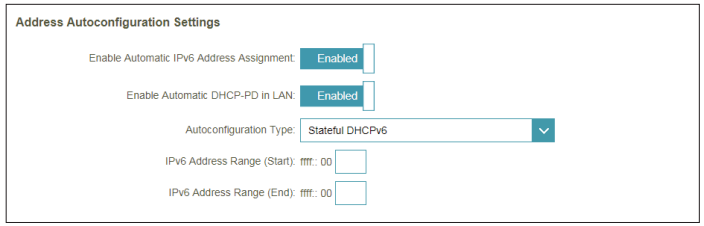
Advanced Settings - Address Autoconfiguration Settings



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.*

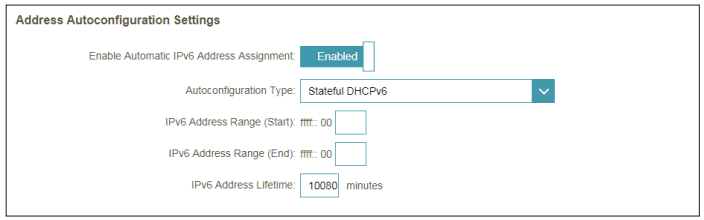


Autoconfiguration Type: Select **SLAAC+RDNSS, SLAAC+Stateless DHCP,** or **Stateful DHCPv6**.

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.

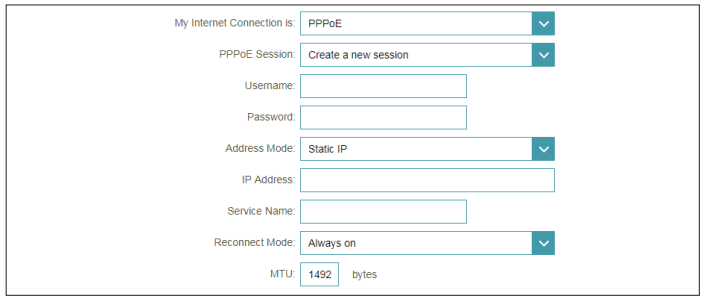
IPv6 Address Range (End): Enter the ending IPv6 address for the DHCP server's IPv6 assignment.

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

Click **Save** when you are done.

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.

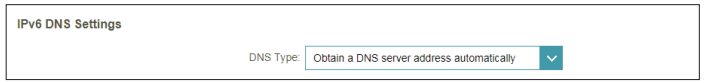
Service Name: Enter the ISP service name (optional).

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.

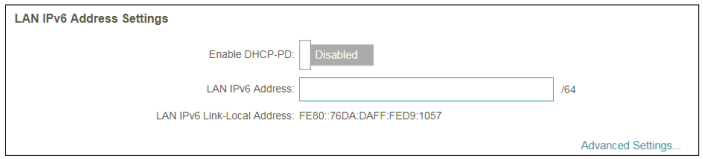
PPPoE (Continued)

IPv6 DNS Settings



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

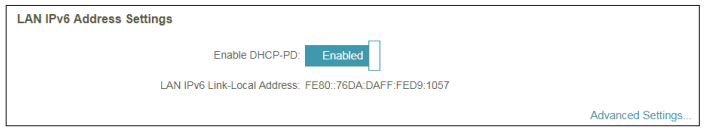
If **Use the following DNS address** is selected:



Primary DNS Server: Enter the primary DNS server address.

Secondary DNS Server: Enter the secondary DNS server address.

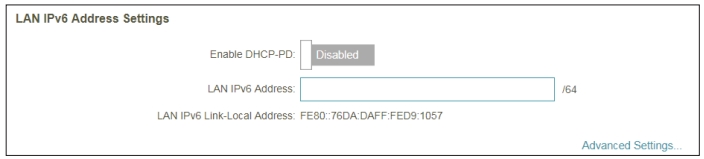
LAN IPv6 Address Settings



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

LAN IPv6 Link-Local Address: Displays the master COVR Point's LAN link-local address.

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

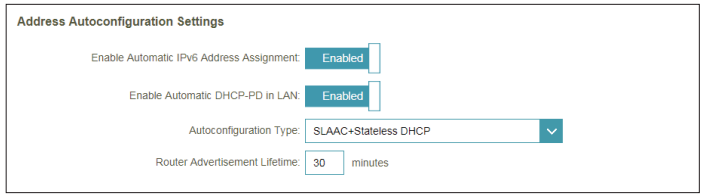


LAN IPv6 Address: Enter a valid LAN IPv6 address.

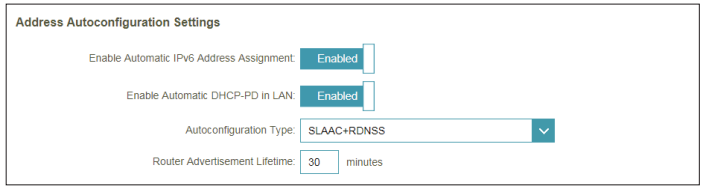
LAN IPv6 Link-Local Address: Displays the master COVR Point's LAN link-local address.

PPPoE (Continued)

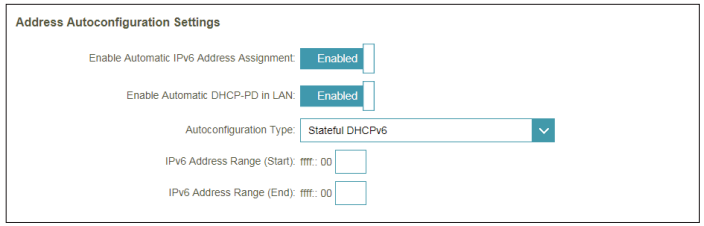
Advanced Settings - Address Autoconfiguration Settings



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.*

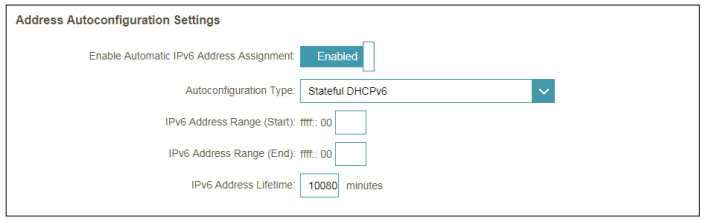


Autoconfiguration Type: Select **SLAAC+RDNSS, SLAAC+Stateless DHCP,** or **Stateful DHCPv6**.

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.

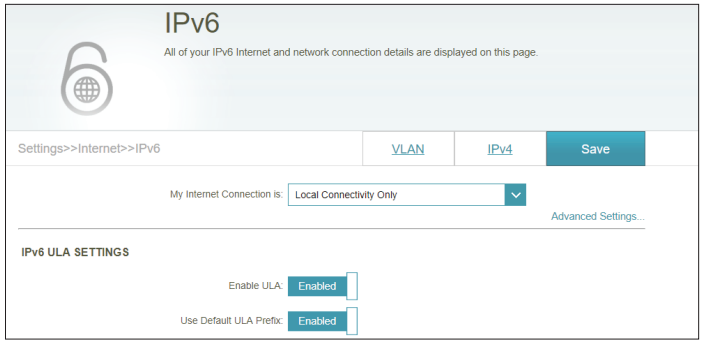
IPv6 Address Range (End): Enter the ending IPv6 address for the DHCP server's IPv6 assignment.

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

Click **Save** when you are done.

Local Connectivity Only

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

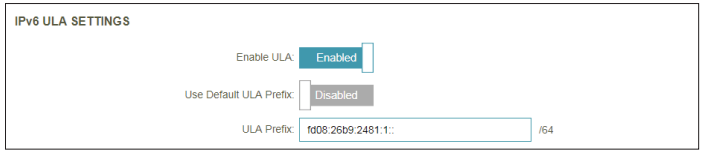


Advanced Settings - IPv6 ULA Settings

Enable ULA: Click here to enable Unique Local IPv6 Unicast Addresses settings.

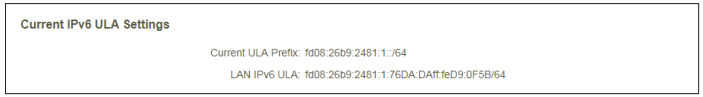
Use Default ULA Prefix: Enable this option to use the default ULA prefix.

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.

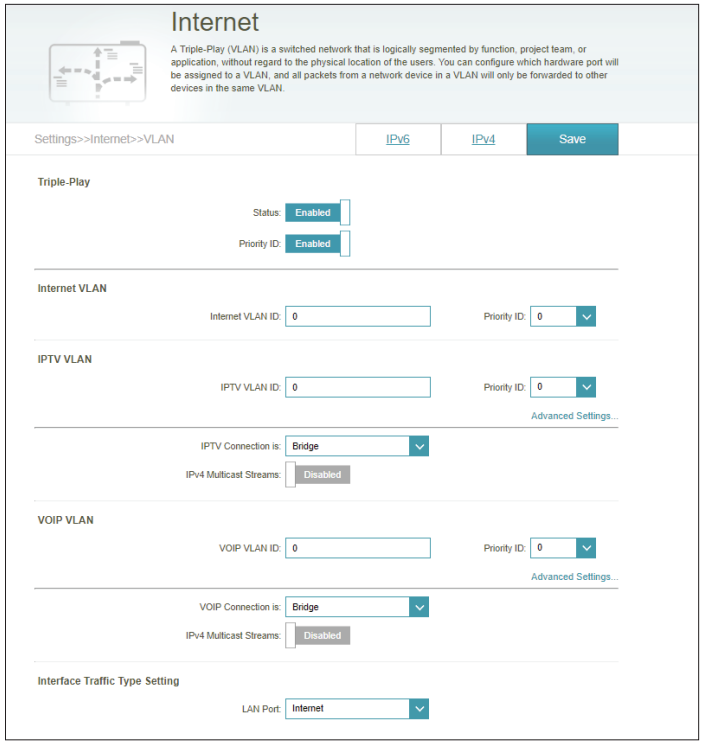
LAN IPv6 ULA: Displays the LAN's IPv6 ULA.

Click **Save** when you are done.

VLAN

A Virtual Local Area Network (VLAN) is sometimes used for services such as Triple-Play, and divides a network into segments that can only be accessed by other devices in the same VLAN.

In the Settings menu on the bar on the top of the page, click **Internet**, then click the **VLAN** link.



Triple-Play

Status: Click to enable or disable the Triple-Play VLAN feature.

Priority ID: Enable or disable traffic priority ID for the Internet, IPTV, and VOIP VLANs. Higher priority ID traffic takes precedence over traffic with a low priority ID tag.

If **Status** is enabled:

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

IPTV VLAN ID: Enter the VLAN ID for your digital cable provided by your ISP. Click **Advanced Settings** to select the IPTV Connection type and input in the details from your ISP.

VOIP VLAN ID: Enter the VLAN ID for your Voice over IP network provided by your ISP. Click **Advanced Settings** to select the VOIP Connection type and input in the details from your ISP.

VLAN (Continued)

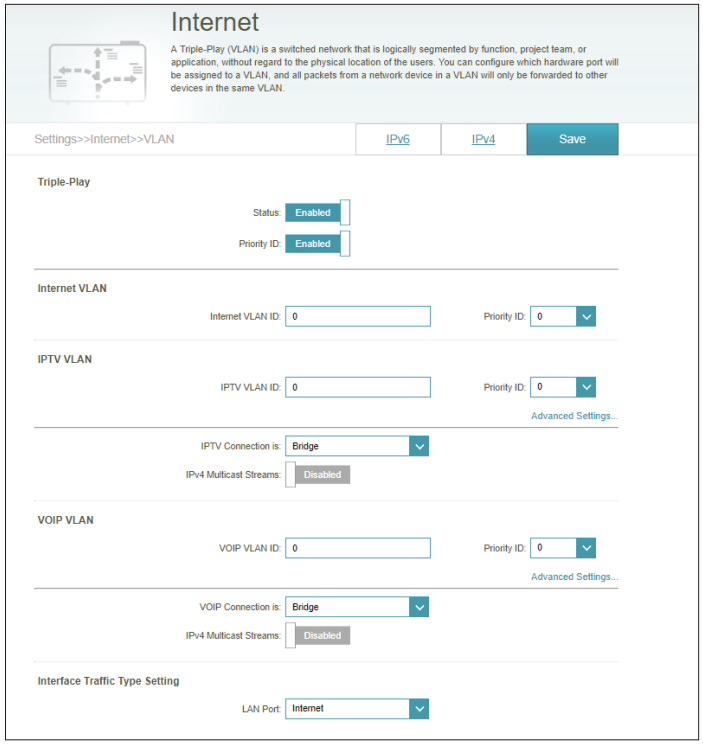
If **Priority ID** is enabled:

Priority ID: Select a priority ID from the drop-down menu to assign to the corresponding VLAN.

Interface Traffic Type Setting

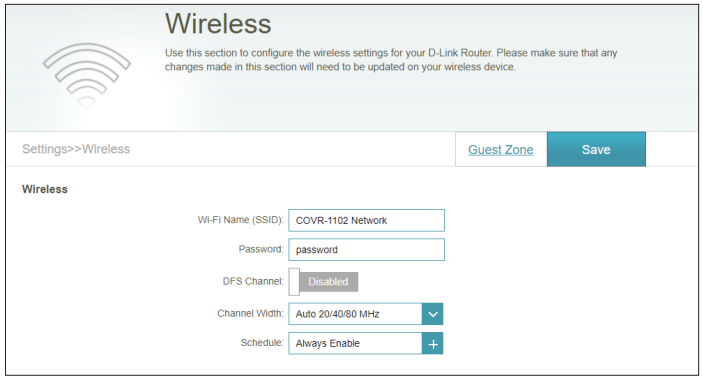
LAN Port: From the drop-down menu, select the VLAN for the LAN port.

Click **Save** when you are done.



Wireless

Wi-Fi



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

Wireless

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

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

DFS Channel: Dynamic Frequency Selection (DFS) is a Wi-Fi function that enables WLANs to use 5 GHz frequencies reserved for radars. Enable to allow the router to monitor the radar signals frequency. If radar signals are detected on the current channel that the device is on, then the device will vacate the channel and switch to an alternate channel.

Channel Width: Select **Auto 20/40/80 MHz** if you are using 802.11ac, 802.11n, and 802.11a devices. Select **Auto 20/40 MHz** if you are using both 802.11n and non- 802.11n devices, or **80 MHz/40 MHz/20 MHz** if you are not using any 802.11n devices.

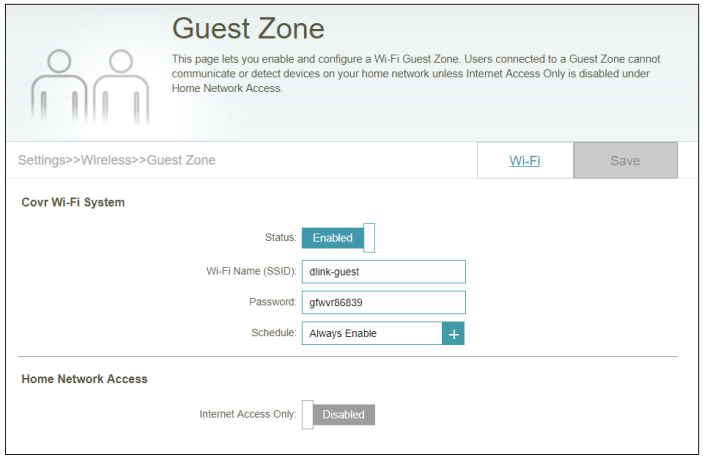
Schedule: Use the drop-down menu to select the time schedule that the rule will be enabled on. The schedule may be set to **Always Enable**, or you can create your own schedules in the **Schedule** section. Refer to **Schedule** on page **55** for more information.

Click **Save** when you are done.

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 COVR Wi-Fi network.

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



COVR Wi-Fi System

Status: Enable or disable the COVR 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.

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 **55** for more information.

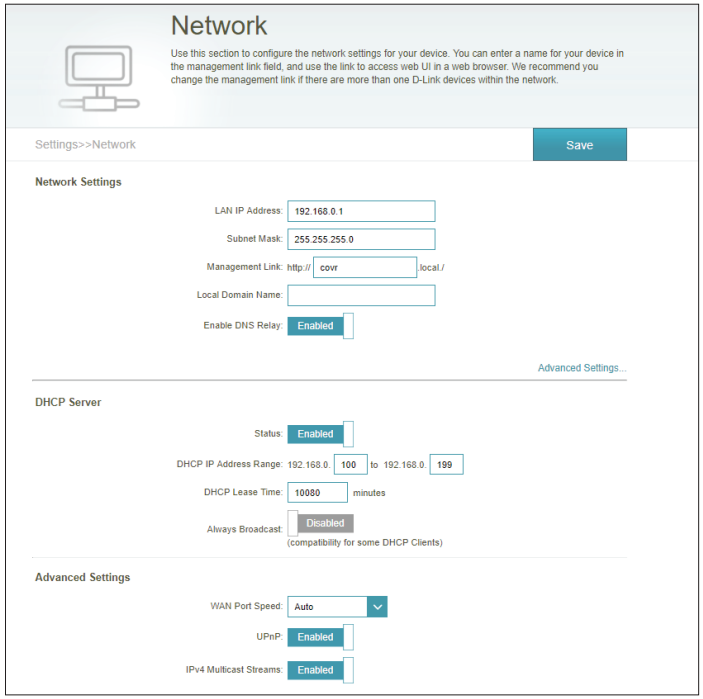
Home Network Access

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

Click **Save** when you are done.

Network

This section will allow you to change the local network settings of the master COVR Point 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 master COVR Point. 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.

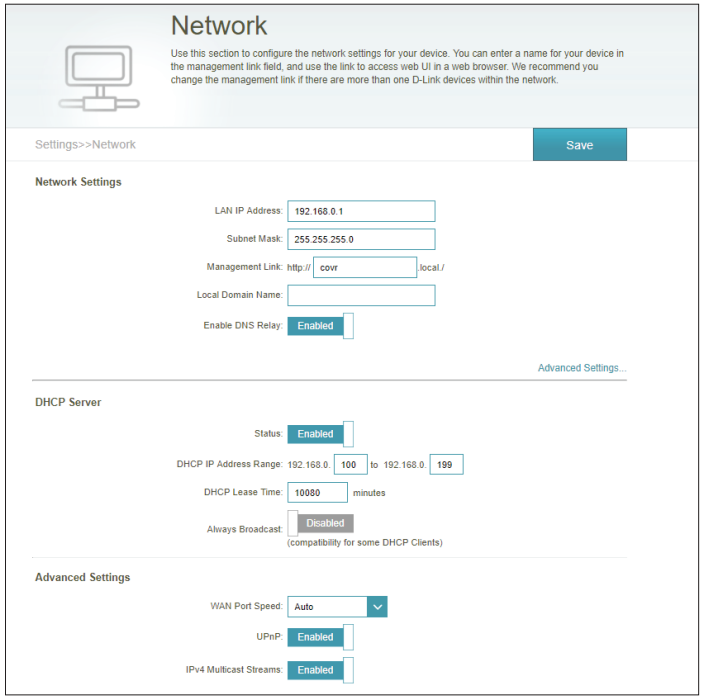
Subnet Mask: Enter the subnet mask of the router. The default subnet mask is **255.255.255.0**.

Management Link: The default address to access the web configuration utility is **http://COVR.local/** Here, you can replace "**COVR**" 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 master COVR Point for a DNS server.

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 14 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).

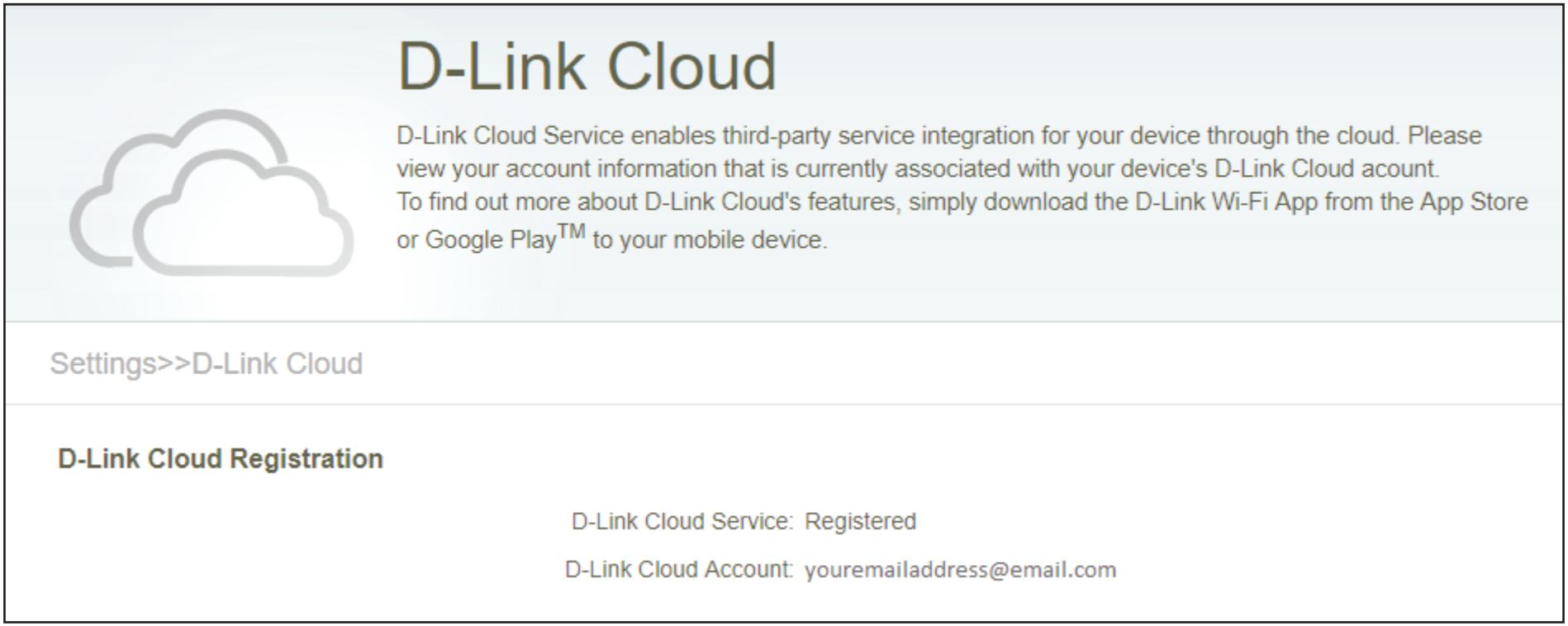
UPnP: Enable or disable Universal Plug and Play (UPnP). UPnP provides compatibility with networking equipment, software, and peripherals.

IPv4 Multicast Streams: Enable to allow IPv4 multicast traffic to pass through the master COVR Point from the Internet.

Click **Save** when you are done.

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.

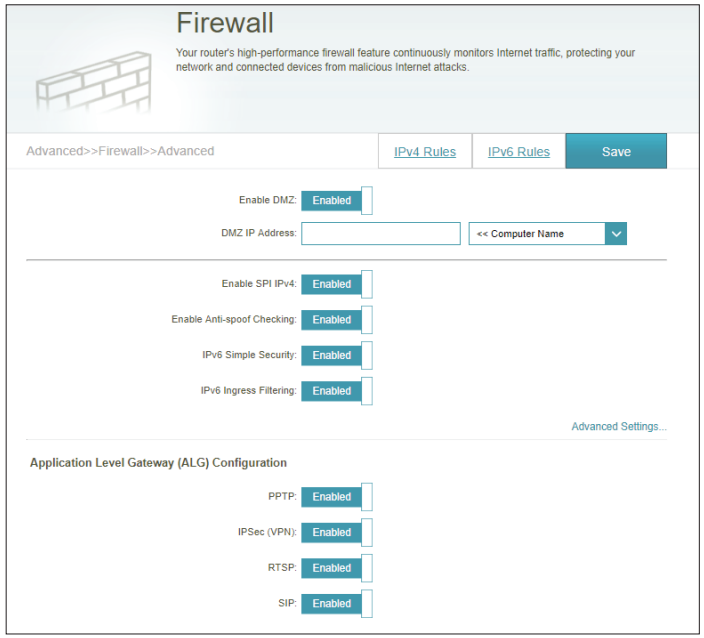


Advanced

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.

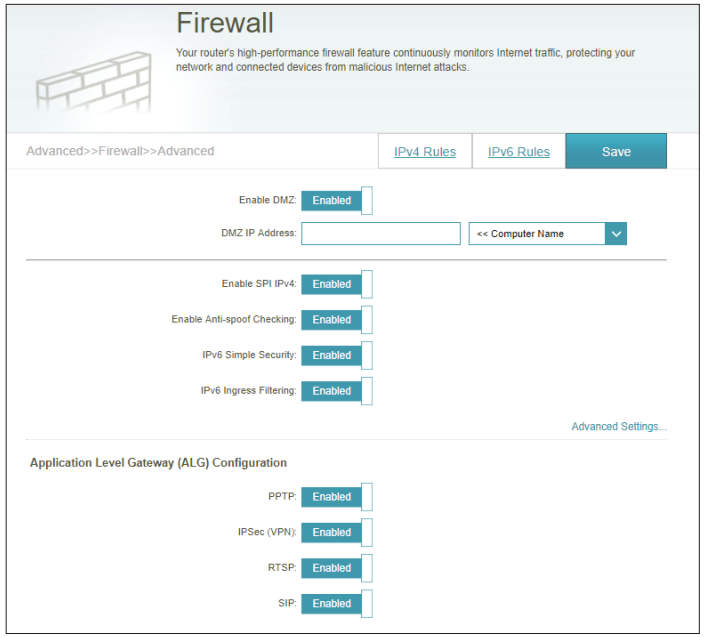
Enable Anti-Spoof Checking: Enable this feature to protect your network from certain kinds of "spoofing" attacks.

IPv6 Simple Security: Enable or disable IPv6 simple security.

IPv6 Ingress Filtering: Enable or disable IPv6 ingress filtering.

Advanced (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.

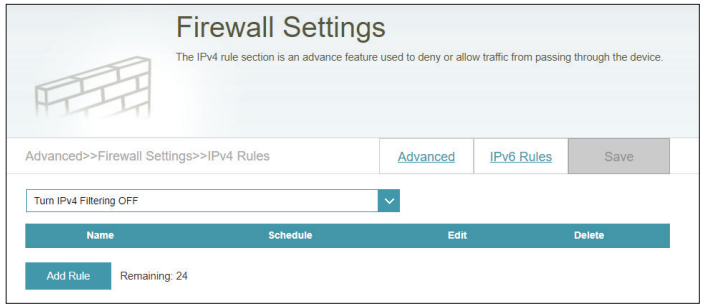
IPSec (VPN): Allows multiple VPN clients to connect to their corporate network using IPSec. Some VPN clients support traversal of IPSec through NAT. This Application Level Gateway (ALG) may interfere with the operation of such VPN clients. If you are having trouble connecting with your corporate network, 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.

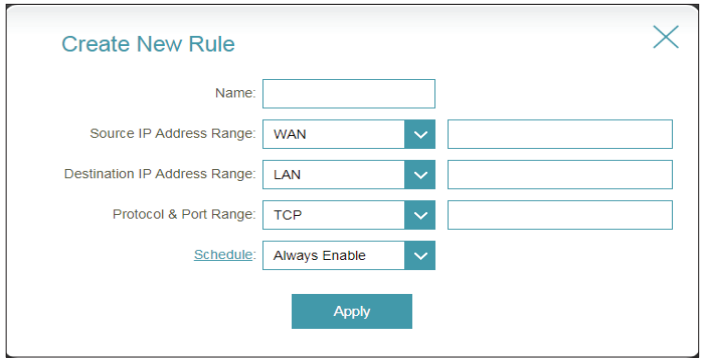
IPv4/IPv6 Rules



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.

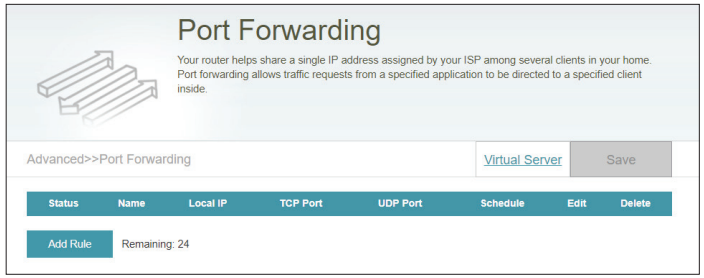
Schedule: Use the drop-down menu to select the time schedule that the rule will be enabled on. The schedule may be set to **Always Enable**, or you can create your own schedules in the **Schedule** section. Refer to Refer to **Schedule** on page **55** for more information.

Click **Apply** when you are done.

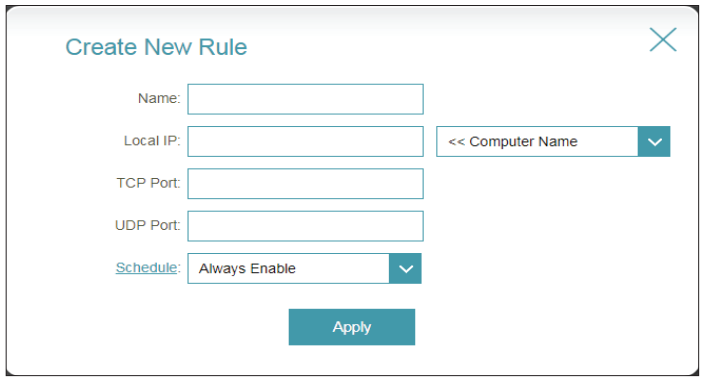
Port Forwarding

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 master COVR Point. 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).

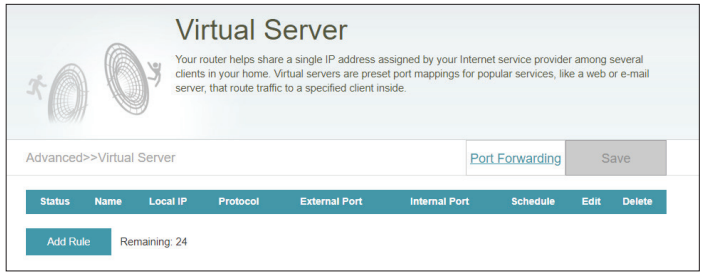
UDP Port: Enter the UDP ports that you want to forward. You can enter a single port or a range of ports. Separate ports with a comma (for example: 24,1009,3000-4000).

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 **55** for more information.

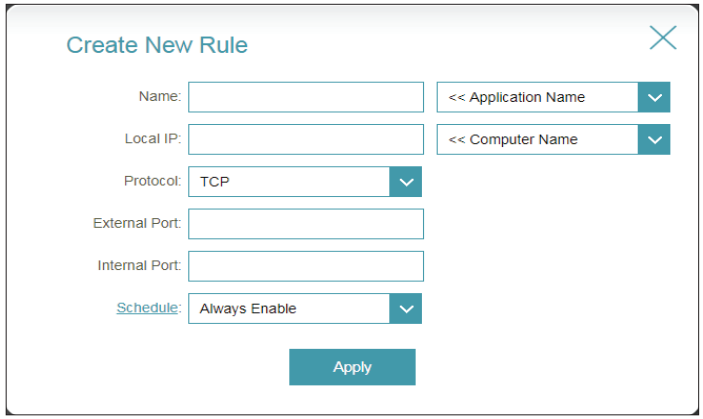
Click **Apply** when you are done.

Virtual Server

The virtual server allows you to specify a single public port on the master COVR Point 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 **55** for more information.

Click **Apply** when you are done.