D-Link®

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User Manual

AC2600 High-Power Wi-Fi Router

DIR-2640

Preface

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

Manual Revisions

Hardware	Revision	Date	Description
A1	v1.00	2019/11/08	Initial release

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

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

System Requirements

Network Requirements	• An Ethernet-based cable, DSL or fiber modem • IEEE 802.11ac/n/g/b/a wireless clients • 10/100/1000 Ethernet
Web-based Configuration Utility Requirements	**Computer with the following:** • Windows®, Macintosh, or Linux-based operating system • An installed Ethernet adapter **Browser Requirements:** • Internet Explorer 10 or higher • Firefox 28 or higher • Safari 6 or higher • Chrome 28 or higher **Windows® Users:** Make sure you have the latest version of Java installed. Visit www.java.com to download the latest version.
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.)

Features

Need super-fast Wi-Fi for your wire-free, all-streaming house? With a powerful dual-core processor, the AC2600 High-Power Wi-Fi Router packs in enough processing power to handle every networking task you throw at it. It's a powerful, intelligent home router that supercharges your mesh network with D-Link's Wi-Fi Mesh technology so you can grow your mesh network by adding compatible D-Link routers and extenders. It even integrates voice assistant compatibility for Amazon Alexa and Google Assistant so you can control your network with voice commands.

Handle More with a High-Power Processor
With the DIR-2640, you're not only enjoying buffer-free gaming and lightning fast surfing, you're also enjoying features such as an integrated mesh for a higher coverage network, an automatically optimizing QoS with a built-in speedtest, an automatic firmware update system that ensures the best protection and the latest features, and compatibility with voice assistants. All this is possible with the router's 880 Mhz dual-core high-power processor, 128 MB of flash memory and 256 MB of RAM.

Extend and Customize Your High-speed Wireless AC Network
D-Link's Wi-Fi Mesh is a scalable solution that allows you to easily increase the coverage of your home or office wireless AC network. Expand your Wi-Fi coverage by adding compatible D-Link access points. Mix and match suitable D-Link devices according to your budget and preferences to fit any floorplan. Setup is effortless; configuration of multiple access points can be done in minutes as settings can be passed on to other access points once the first access point is configured.

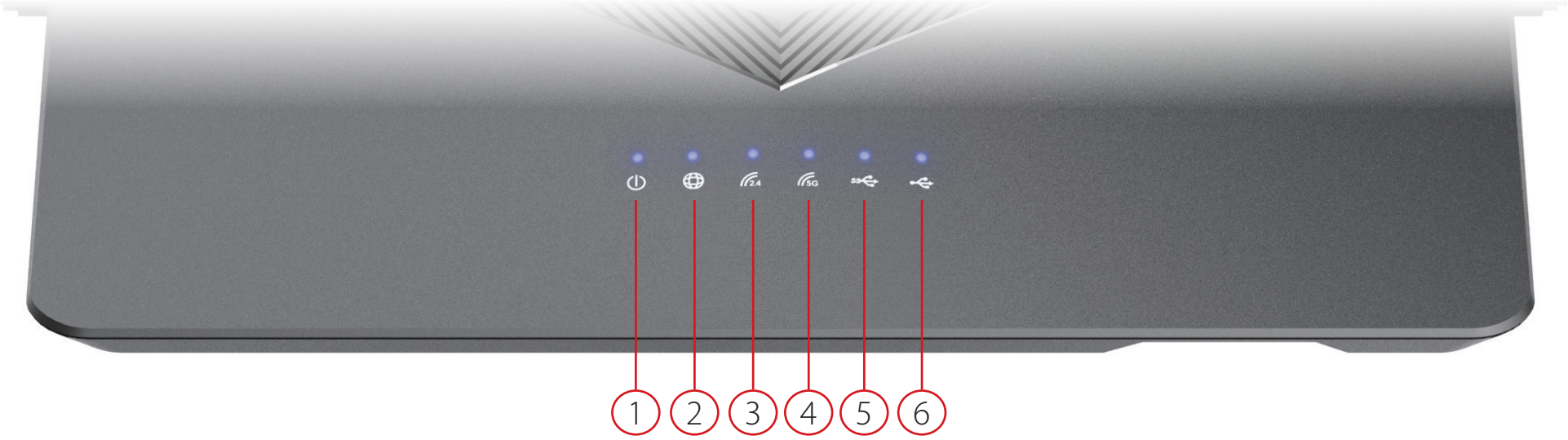
Enhanced Quality of Service Features
The built-in Quality of Service (QoS) engine allows you to prioritize important traffic to ensure that your favorite applications are receiving optimal bandwidth. Also included as part of the QoS feature is the speedtest, which not only allows you to check the current upload and download speed of your Internet connection, but also gives you the option of automatically configuring your router to optimize your traffic according to speedtest results.

Always Up-to-Date with the Latest Features
The DIR-2640 will automatically check daily for updates to make sure that the device always has the latest features and the most secure firmware, and will install the update silently in the background. For an extra peace of mind, in the event of failure during the firmware update, the router will store a backup system image in the memory before proceeding with the update.

Easy to Set Up and Manage
Sharing your Internet connection doesn't have to be a complicated process; just download the free D-Link Wi-Fi app for your mobile device and follow the on-screen step-by-step instructions to set up your DIR-2640. You also have the option to use a web browser to access the setup wizard and to manage your router. Support for industry-standard Wi-Fi Protected Setup (WPS) lets you create encrypted connections to new devices by pressing a button.

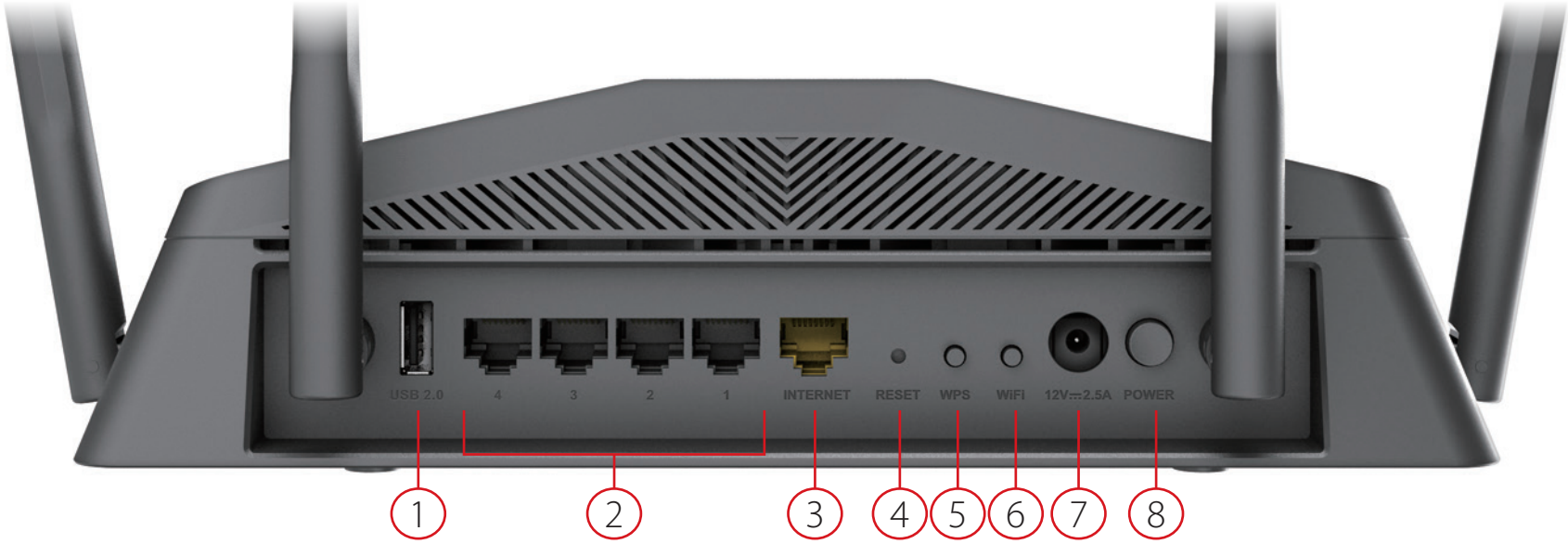
Hardware Overview

LED Indicators



1	**Power**	Solid Blue	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 Blue	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)**	Blue	The 2.4 GHz wireless band is enabled.
		Blinking Blue	The device is processing WPS.
4	**Wireless (5 GHz)**	Blue	The 5 GHz wireless band is enabled.
		Blinking Blue	The device is processing WPS.
5	**Super Speed USB**	Solid Blue	A USB storage device is connected to the USB 3.0 port.
6	**USB**	Solid Blue	A USB storage device is connected to the USB 2.0 port.

Back Panel



1	**USB 2.0 Port**	Connect a USB storage device to share files over the network.
2	**Gigabit LAN Ports (1- 4)**	Connect Ethernet devices such as computers, switches, storage (NAS) devices, and game consoles.
3	**Gigabit WAN Port**	Using an Ethernet cable, connect your broadband modem to this port.
4	**Reset Button**	Insert a paperclip in the hole, wait for 10 seconds, and release to reset the router to default settings.
5	**WPS Button**	Press to start the WPS process and automatically create an encrypted connection to a WPS client.
6	**Wi-Fi Button**	Press to enable or disable Wi-Fi.
7	**Power Connector**	Connector for the supplied power adapter.
8	**Power Button**	Press the power button to power the device on or off.

Front Panel

1	**USB 3.0 Port**	Connect a USB storage device to share files over the network.

Installation

This section will walk you through the installation of your DIR-2640.

Before you Begin

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

Wireless Installation Considerations

The D-Link wireless router lets you access your network using a wireless connection from virtually anywhere within the operating range of your wireless network. Keep in mind that the number, thickness and location of walls, ceilings, or other objects that the wireless signals must pass through may limit the range. Typical ranges vary depending on the types of materials and background RF (radio frequency) noise in your home or business. The key to maximizing wireless range is to follow these basic guidelines:

1. Keep the number of walls and ceilings between the D-Link router and other network devices to a minimum - each wall or ceiling can reduce your adapter's range from 3-90 feet (1-30 meters.) Position your devices so that the number of walls or ceilings is minimized.
2. Be aware of the direct line between network devices. A wall that is 1.5 feet thick (0.5 meters), at a 45-degree angle appears to be almost 3 feet (1 meter) thick. At a 2-degree angle it looks over 42 feet (14 meters) thick. Position devices so that the signal will travel straight through a wall or ceiling (instead of at an angle) for better reception.
3. Building materials make a difference. A solid metal door or aluminum studs may have a negative effect on range. Try to position access points, wireless routers, and computers so that the signal passes through drywall or open doorways. Materials and objects such as glass, steel, metal, walls with insulation, water (fish tanks), mirrors, file cabinets, brick, and concrete will degrade your wireless signal.
4. Keep your product away (at least 3-6 feet or 1-2 meters) from electrical devices or appliances that generate RF noise.
5. If you are using 2.4 GHz cordless phones or X-10 (wireless products such as ceiling fans, lights, and home security systems), your wireless connection may degrade dramatically or drop completely. Make sure your 2.4 GHz phone base is as far away from your wireless devices as possible. The base transmits a signal even if the phone is not in use.

Setup

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

- **D-Link Wi-Fi App** - Use your compatible Android or iOS device to install and configure your router. Refer to **D-Link Wi-Fi App Setup** on page **10.**
- **Hardware Setup** - This section explains how to setup your DIR-2640. Refer to **Hardware Setup** on page **12.**
- **D-Link Setup Wizard** - This wizard will launch when you log into the router by using your PC for the first time. Refer to **Setup Wizard** on page **15**.
- **Manual Setup** - Log in to the router to manually configure your router. Refer to **Configuration** on page **22**

D-Link Wi-Fi App Setup

The D-Link Wi-Fi app allows you to install and configure your DIR-2640 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.

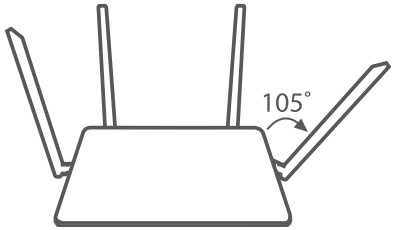
Step 4
Tap **Yes** to scan the setup QR code located in the Quick Install Card and proceed to step 6. Alternatively, you can tap **No** to proceed to step 5.

Step 5
Select **Router** and select **DIR-2640** from the list of available devices. Tap **Next** to continue.

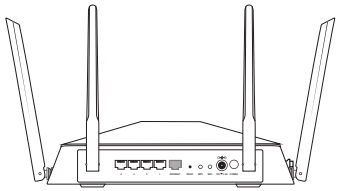
Step 6
You will now be guided through a step-by-step process for setting up your router. Simply follow the on-screen instructions to continue the installation and the configuration process.

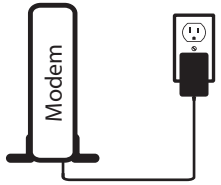
Hardware Setup

Step 1
The DIR-2640 is designed to give you the fastest, most stable network connection possible. In order to maximize performance, fully extend the antennas into a 105 degree angle to provide optimal wireless coverage. Keep the router in an open area for better wireless coverage.

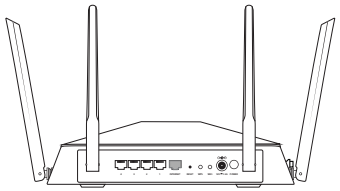


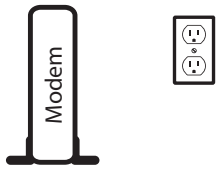
Step 2
Position your DIR-2640 near your Internet-connected modem. Place it in an open area for better wireless coverage.



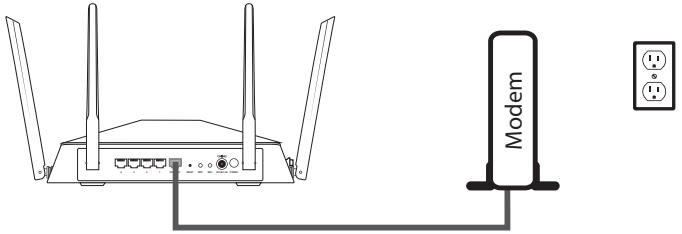


Step 3
Turn off and unplug the power to your cable or DSL broadband modem. This is required. In some cases, you may need to turn it off for up to five minutes.

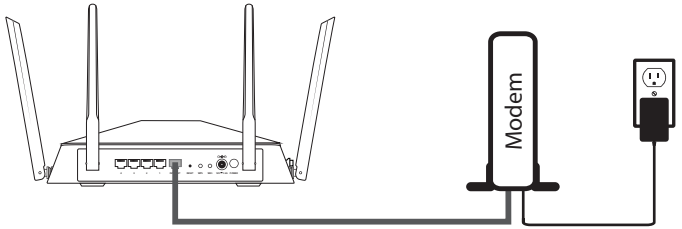




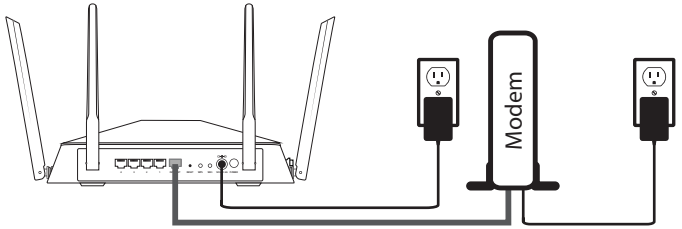
Step 4
Use the Ethernet cable to connect your modem to the port labelled **INTERNET** on the router.



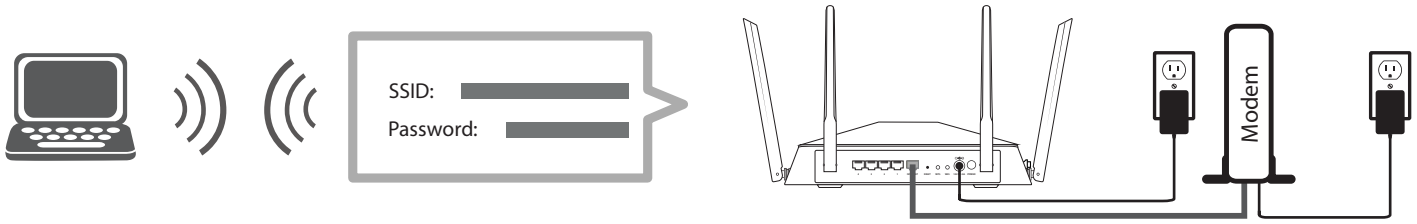
Step 5
Plug in and turn your modem back on and wait approximately one minute before proceeding.



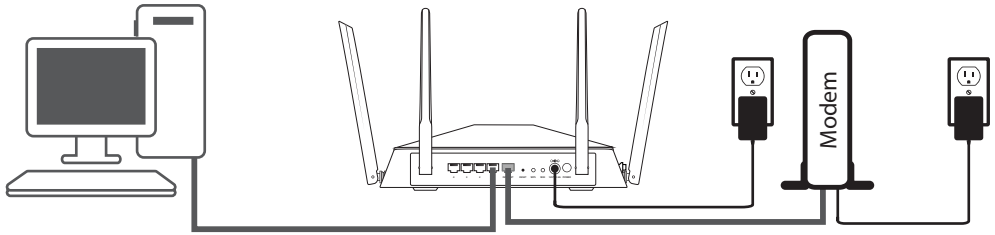
Step 6
Connect the supplied power adapter to the router and a power outlet, press the power button, and wait approximately one minute until the LED indicator on the front of the device changes from orange to solid white.



Step 7
If you are configuring the router wirelessly from a PC, connect to the Wi-Fi network printed on the label attached to the bottom of your router or in the Quick Installation Card.



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



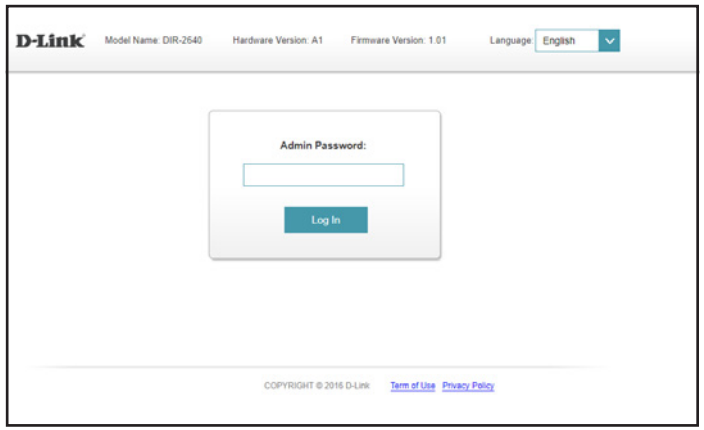
Step 8
If you are connecting to a broadband service that uses a dynamic connection (not PPPoE), you may be online already. Try opening a web browser and connecting to a website. If the website does not load, proceed to **Setup Wizard** on page **15**.

Setup Wizard

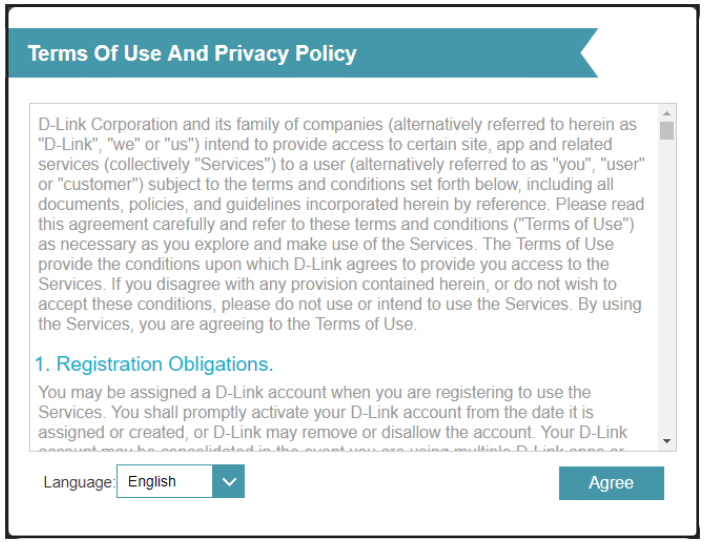
The setup wizard is designed to guide you through a step-by-step process to configure your new DIR-2640 and connect to the Internet via a wireless setup process.

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

If this is your first time logging in to the and no connection has been established, the setup wizard will automatically appear instead of the log in page. If the setup process was not previously completed, then log in to the interface by leaving the password field blank.

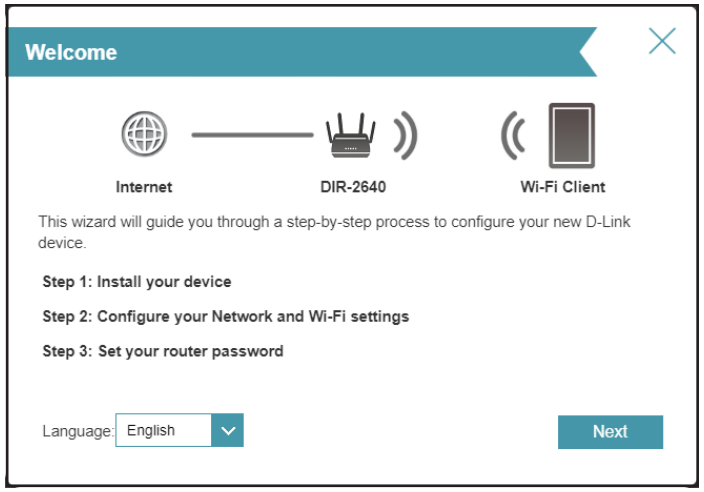


Agree to the Terms of Use and Privacy Policy before proceeding.

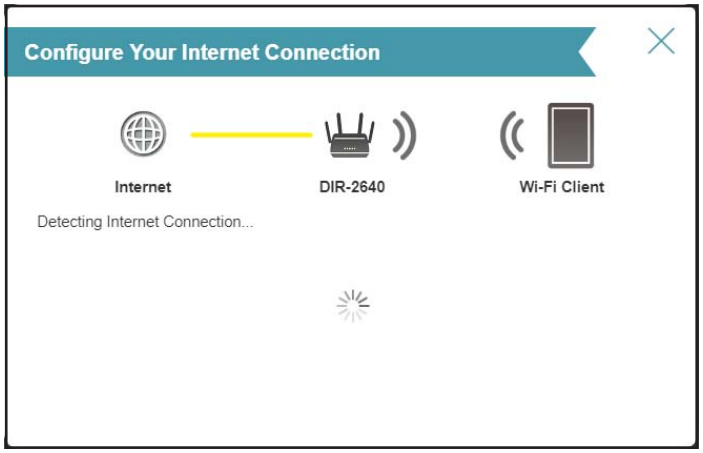


Follow the on-screen instructions to configure your new D-Link router and connect to the Internet.

Click **Next** to continue.

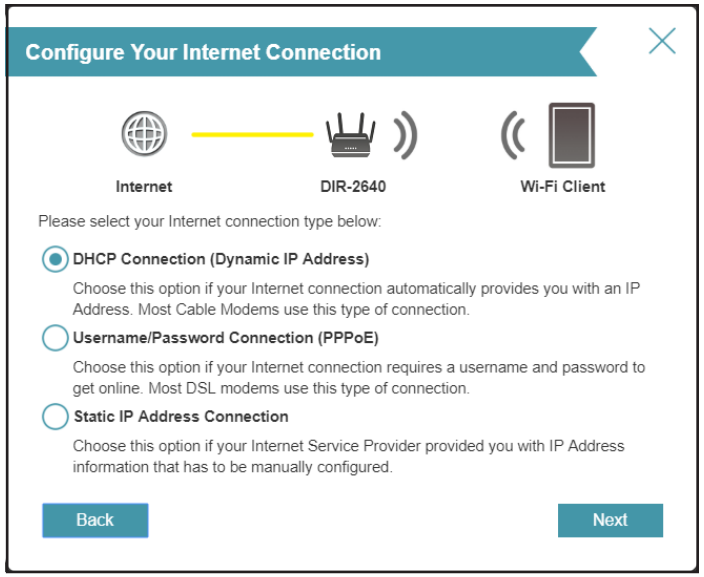


Please wait while your router detects your Internet connection type.



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

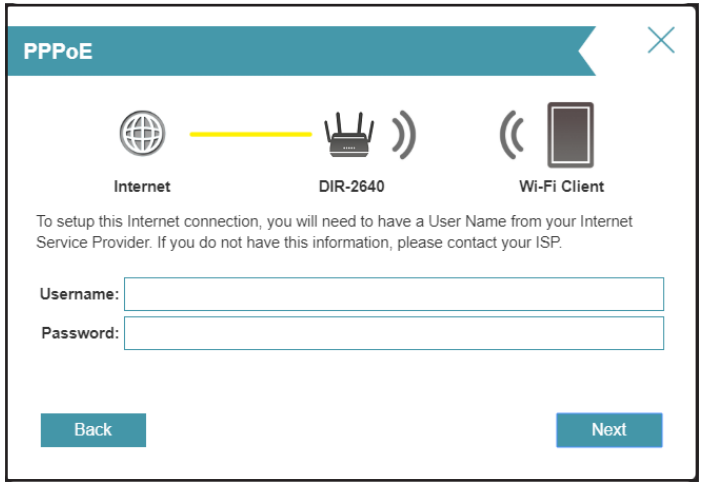
Click **Next** to continue.



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

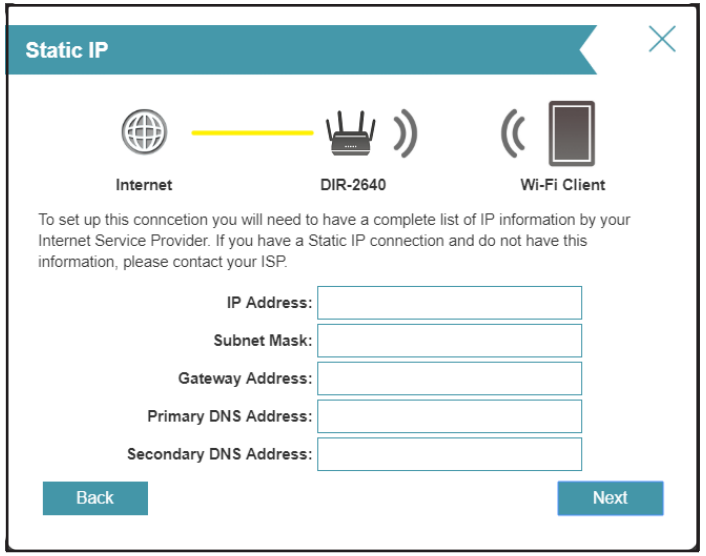
Click **Next** to continue.

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



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

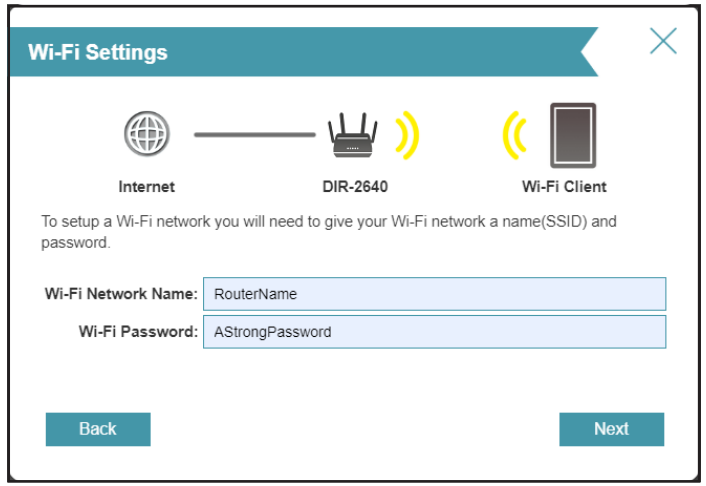
Click **Next** to continue.



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

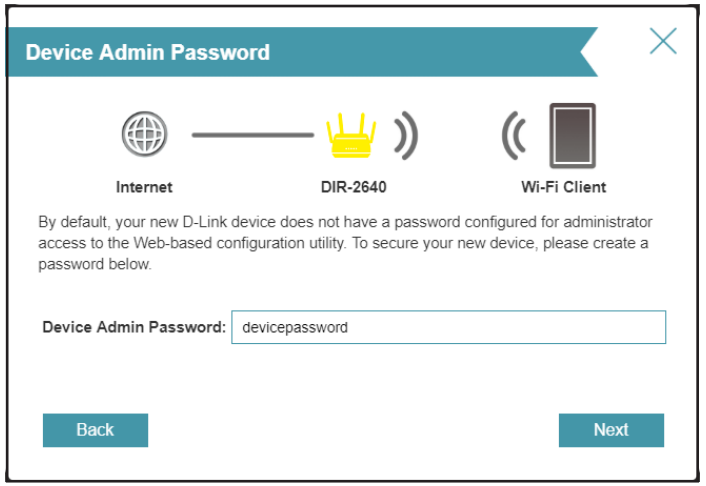
Click **Next** to continue.

Note: *The router's Smart Connect feature presents a single wireless network. When connecting clients to an extension network, they will be automatically added to the best band, either 2.4 GHz or 5 GHz. To disable the Smart Connect feature and individually configure 2.4 GHz and 5 GHz networks, refer to* ***Wireless*** *on page* ***60.***



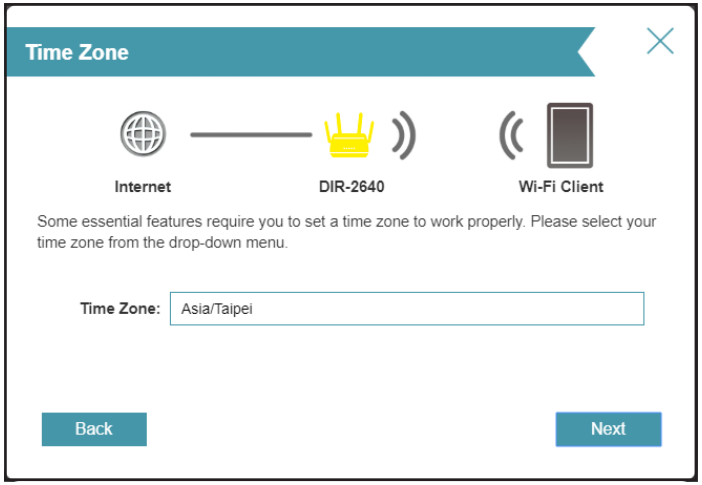
In order to secure the router's configuration access, please enter a password. You will be prompted for this password every time you want to use the router's web configuration utility.

Click **Next** to continue.



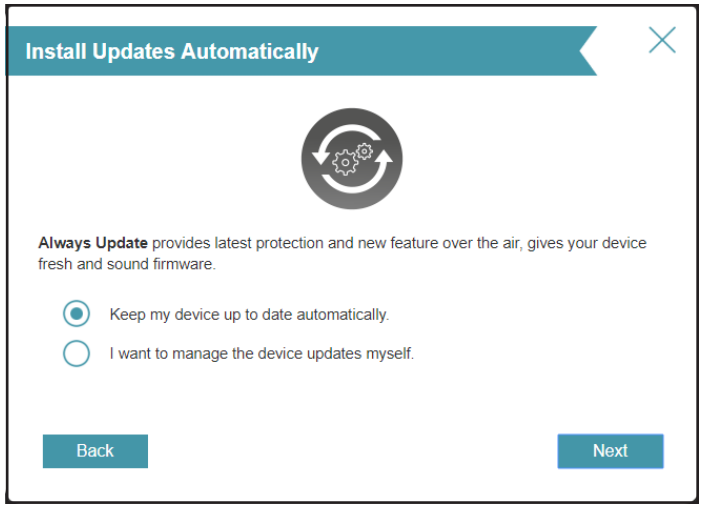
Select your time zone from the drop-down menu.

Click **Next** to continue.



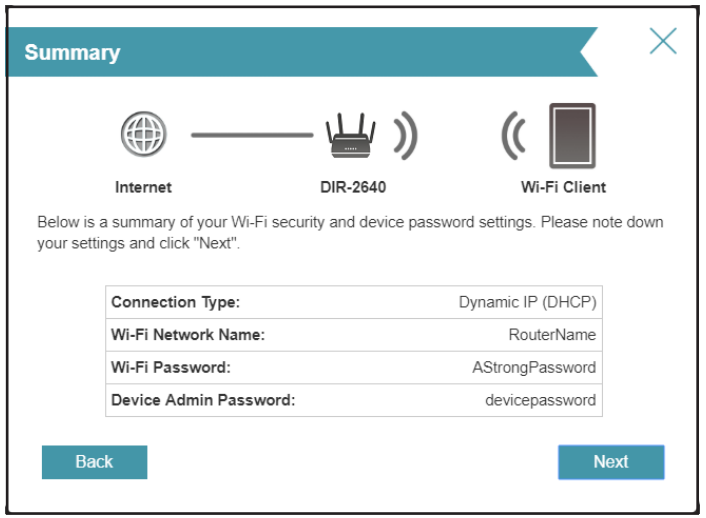
Keeping your router's firmware up-to-date provides you with the latest protection and new features over the air. Choose whether to keep your device up-to-date automatically or to manage the device updates by yourself.

Click **Next** to continue.



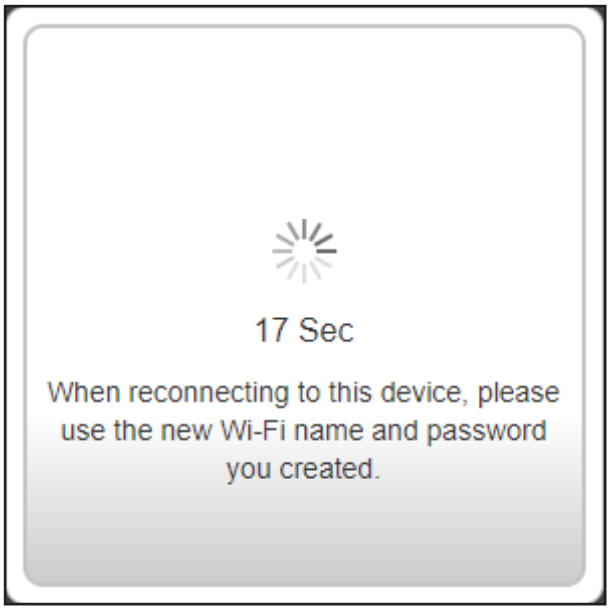
You will be presented with a summary of your settings.

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



Please wait while the device settings are saved.

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

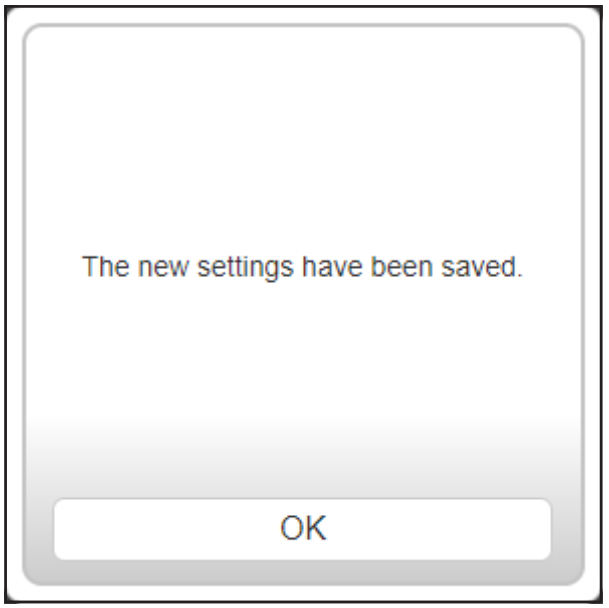


Your new settings have been saved and your router is now configured.

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

Congratulations, your device has been successfully configured!

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

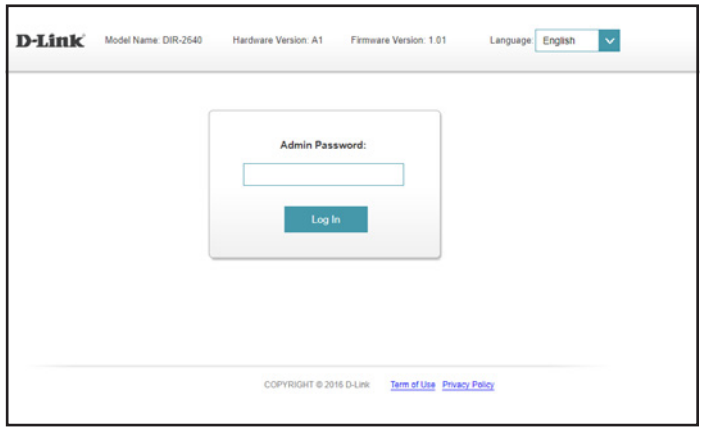


Configuration

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

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

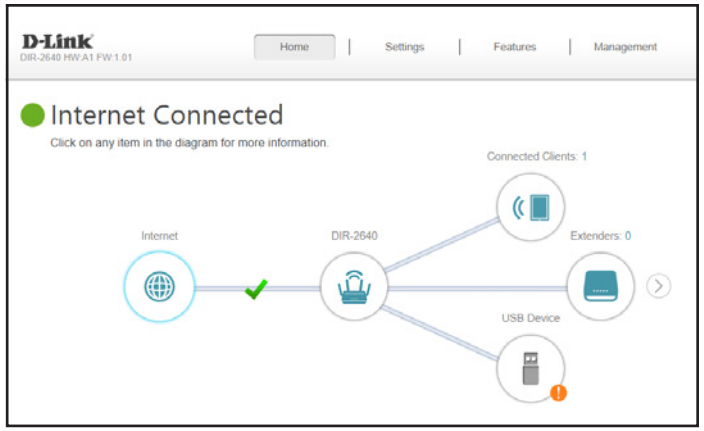
Note: *If you cannot remember your password and cannot log in, use a paperclip to press the recessed **Reset** button on the back of the device for longer than 10 seconds to restore the router to its default settings.*



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

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

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

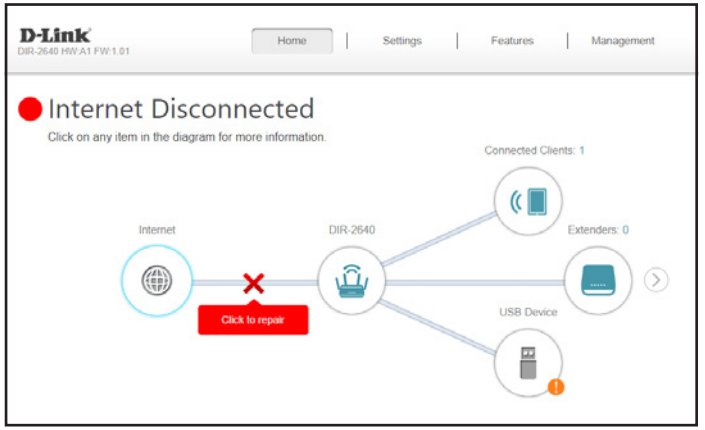


Home

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

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

If it is disconnected, click **Click to repair** to bring up the setup wizard, refer to the **Setup Wizard** on page **15** for more information.



Internet

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

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

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

To reconfigure the Internet settings, refer to **Internet - IPv4** on page **33**

DIR-2640

Click on the **DIR-2640** icon to view details about the router and its wireless settings.

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

To reconfigure the network settings, either click **Go to settings** on the lower left, or click **Settings** (at the top of the page) and then **Network** on the menu that appears. Refer to **Network** on page **67** for more information.

To reconfigure the wireless settings, either click **Go to settings**, on the lower right, or click **Settings** (at the top of the page) and then **Wireless** on the menu that appears. Refer to **Wireless** on page **60** for more information.

Connected Clients

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

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

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

Edit Rule

Name Enter a custom name for this client.

Vendor Displays the vendor of the client.

MAC Address Displays the MAC address of the client.

IP Address Displays the current IP address of the client.

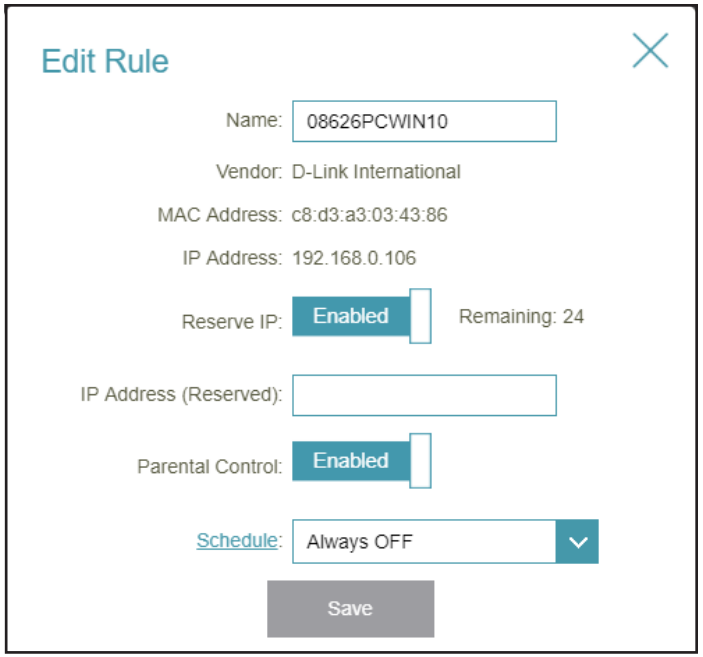
Reserve IP Enable to reserve an IP address for the client.

IP Address (Reserved) Specify an IP address for the router's DHCP server to assign.

Parental Control Enable Parental Control for the client to specify whether it is allowed network access.

Schedule Use the drop-down menu to select the time schedule that the Parental Controls will be enabled for. The schedule may be set to Always OFF meaning that the client will always be blocked from accessing the network, or you can create your own schedules in the Schedules section to specify the times that the client is allowed to access the network. Refer to **Time & Schedule - Schedule** on page **89** for more information.

Click **Save** when you are done.

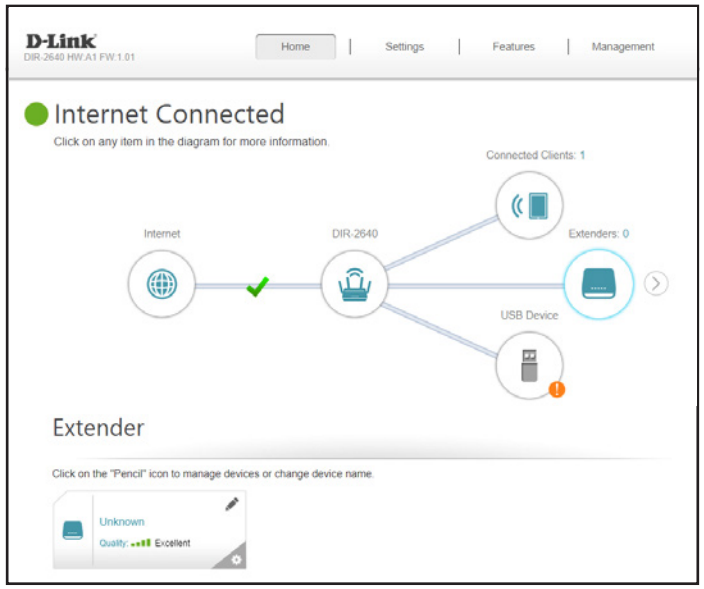


Extenders

Click on the **Extenders** icon to view details about the connected extenders to the router and their wireless settings.

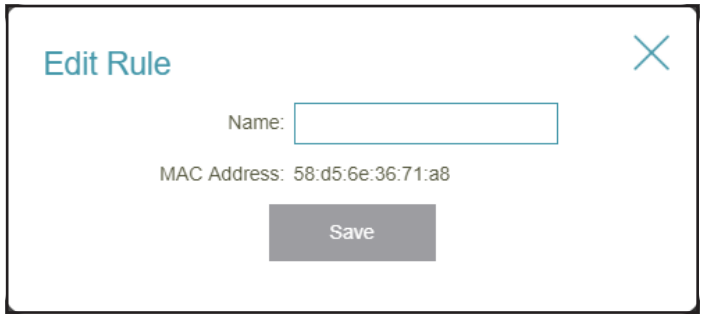
On this page you can see all the extenders currently connected to the router, and configure them.

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

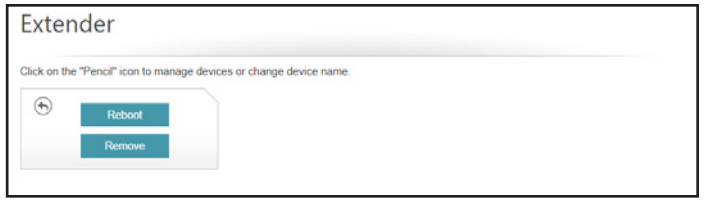


Edit Rule	
Name	Enter a custom name for this extender.
MAC Address	Displays the MAC address of the extender.

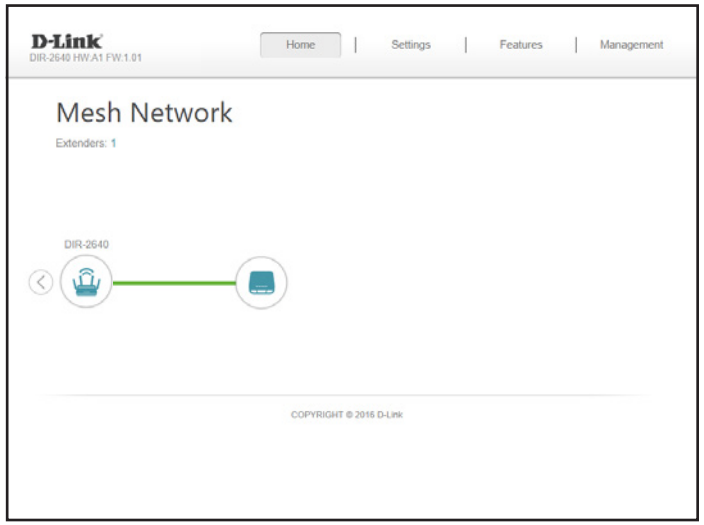
Click **Save** when you are done.



Click the settings cog on the bottom right of the extender you wish to configure to either **Reboot** the device or to **Remove** the device from the network.



Click the arrow next to the Extenders icon to access information regarding your Mesh Network. For more information regarding your Mesh Network, refer to **Mesh Network** on page **30.**



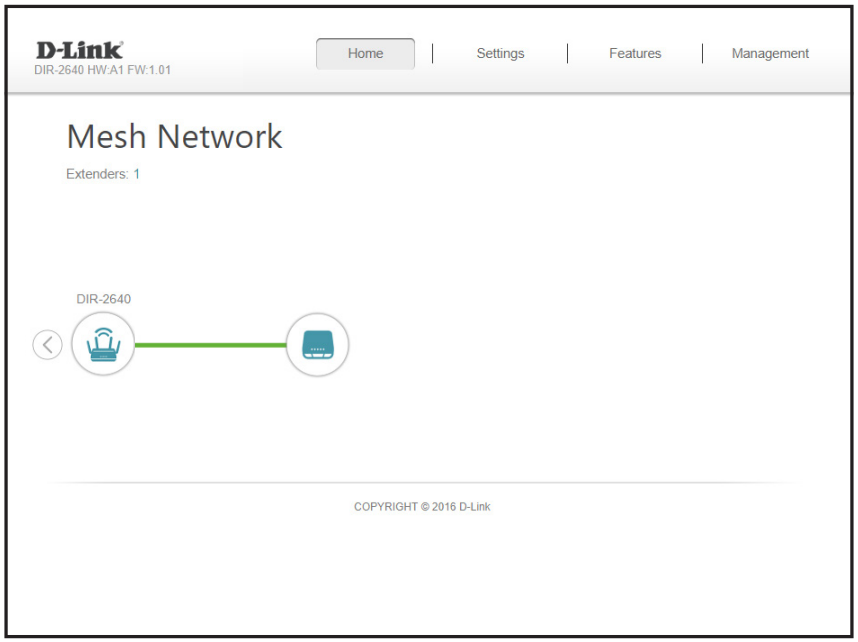
Mesh Network

D-Link's Wi-Fi Mesh is a scalable solution that allows you to easily increase the coverage of your home or office wireless AC network. Expand your Wi-Fi coverage by adding compatible D-Link access points. Mix and match suitable D-Link devices according to your budget and preferences to fit any floorplan. Setup is effortless; configuration of multiple access points can be done in minutes as settings can be passed on to other access points once the first access point is configured.

Wi-Fi Mesh intelligently finds the shortest/fastest path to your router. So even if you have eight mesh nodes, you can count on Wi-Fi Mesh to push your 4K streaming movies and intense VR games to your device at lightning speeds. Wi-Fi Mesh can also automatically detect malfunctioning nodes and reroute the connection to your working mesh devices.

The Mesh Network page gives you an instant, up-to-date overview of your mesh network topology complete with intuitive routing paths, bottle-necks and weak spots.

Please refer to **Wi-Fi Mesh** on page **60** for Wi-Fi Mesh configuration options.



USB Device

Click on the USB Device icon to view details about the currently connected USB storage device, UPnP media server, Windows File Sharing, and FTP.

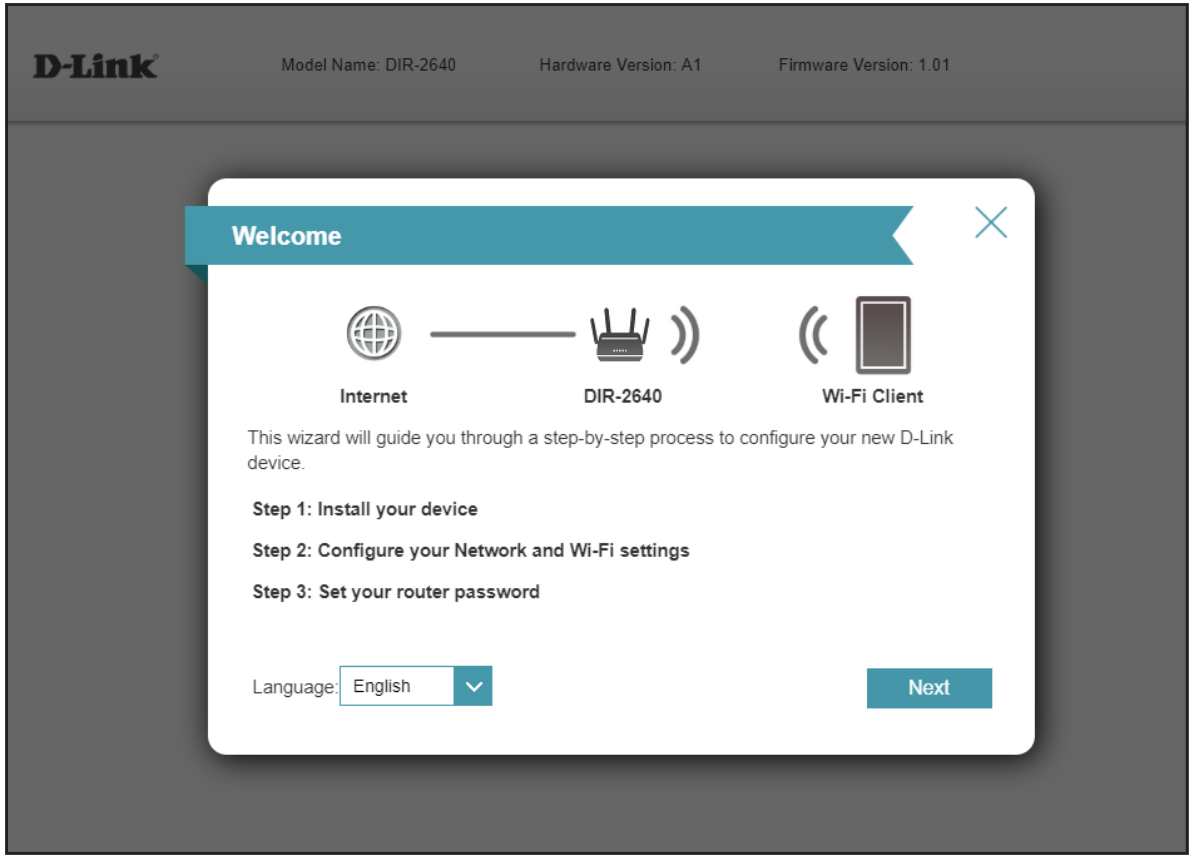
If you have a USB device connected, you can see its name and how much free space it has.

To reconfigure the USB sharing settings, either click **Go to settings** on the lower right, or click **Settings** (at the top of the page) and then **USB Sharing** on the drop down menu that appears. Refer to **USB Sharing** on page **69** for more information.

Settings
Wizard

In the Settings menu on the bar at the top of the page, click **Wizard** to open the setup wizard. This is the same wizard that appears when you start the router for the first time. Refer to **Setup Wizard** on page **15** for details.

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



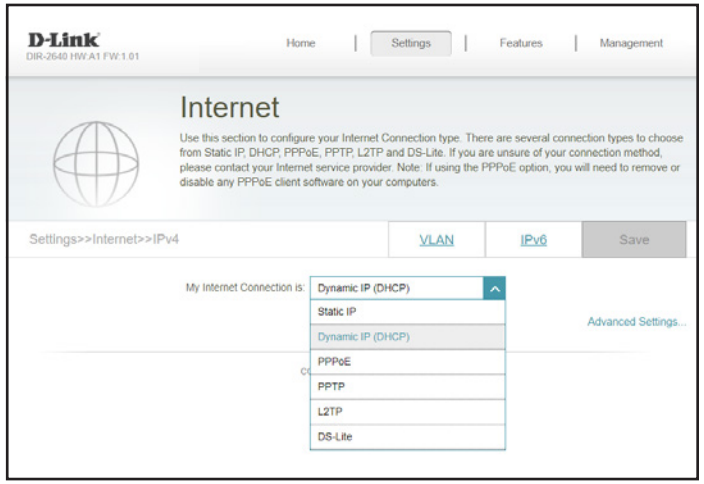
Internet - IPv4

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

To configure the IPv6 Internet and network connection details, click the **IPv6** link. Refer to **Internet - IPv6** on page **43**
To configure the VLAN connection details, click the **VLAN** link. Refer to **Internet - VLAN** on page **58**

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

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



For **IPv4 - Dynamic IP (DHCP)** refer to page **34**

For **IPv4 - Static IP** refer to page **35**

For **IPv4 - PPPoE** refer to page **36**

For **IPv4 - PPTP** refer to page **38**

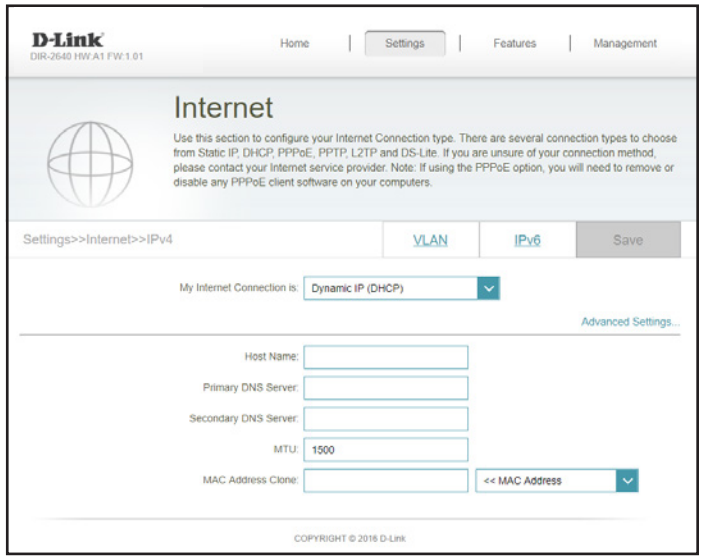
For **IPv4 - L2TP** refer to page **40**

For **IPv4 - DS-Lite** refer to page **42**

IPv4 - Dynamic IP (DHCP)

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

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



IPv4 - Static IP

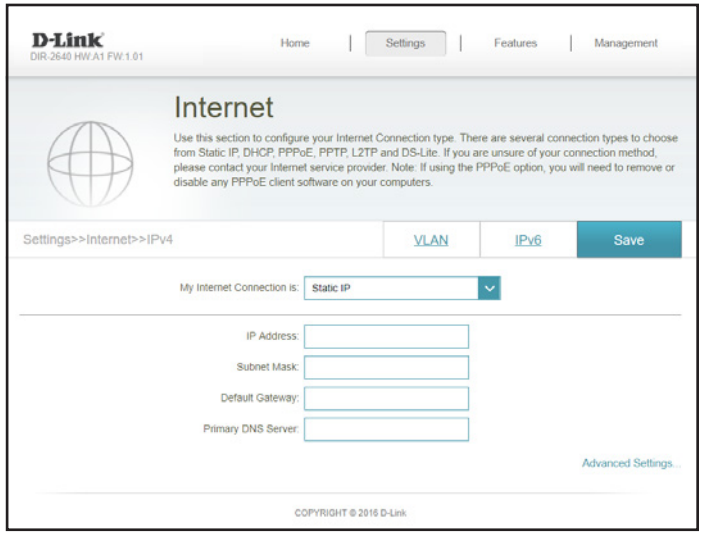
Select **Static IP** if your IP information is provided by your Internet Service Provider (ISP). Click **Save** at any time to save the changes you have made on this page.

IP Address Enter the IP address provided by your ISP.

Subnet Mask Enter the subnet mask provided by your ISP.

Default Gateway Enter the default gateway address provided by your ISP.

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

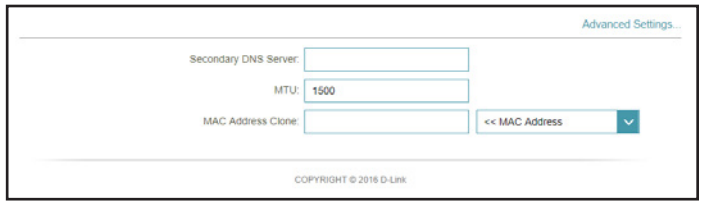


Advanced Settings...

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

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

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



IPv4 - PPPoE

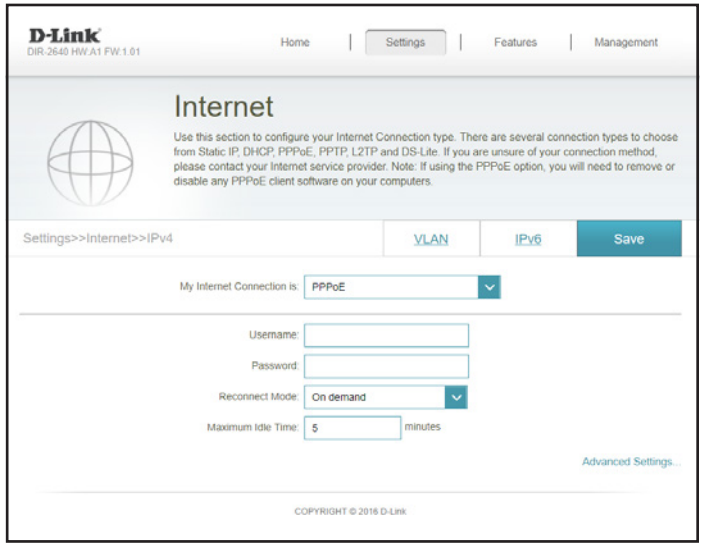
Select **PPPoE** if your ISP provides and requires you to enter a PPPoE username and password in order to connect to the Internet. Click **Save** at any time to save the changes you have made on this page.

Username Enter the username provided by your ISP.

Password Enter the password provided by your ISP.

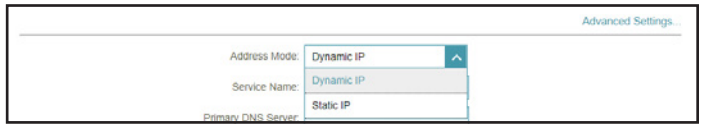
Reconnect Mode Select either **Always on**, **On Demand**, or **Manual**.

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

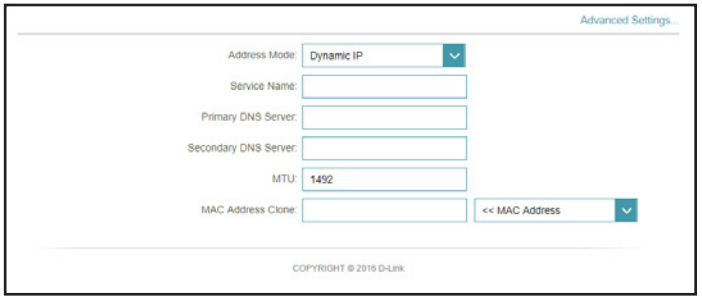


Advanced Settings...

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



Advanced Settings... - Dynamic IP



Address Mode Shows your chosen address mode.

Service Name Enter the ISP service name (optional)

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

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

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

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

Advanced Settings... - Static IP

Address Mode Displays your chosen address mode.

IP Address Enter the IP address provided by your ISP.

Service Name Enter the ISP service name (optional)

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

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

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

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

IPv4 - PPTP

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

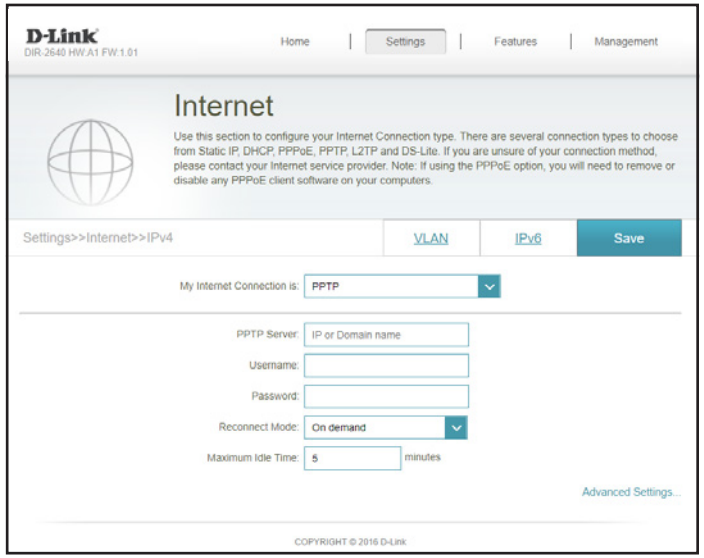
PPTP Server Enter the PPTP server IP address provided by your ISP.

Username Enter the username provided by your ISP.

Password Enter the password provided by your ISP.

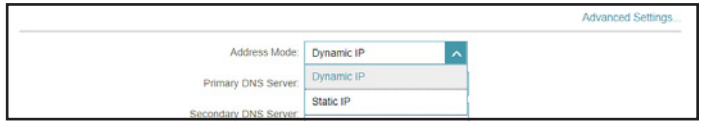
Reconnect Mode Select either **Always on**, **On Demand**, or **Manual**.

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

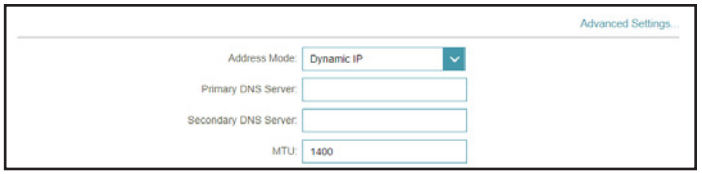


Advanced Settings...

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



Advanced Settings... - Dynamic IP



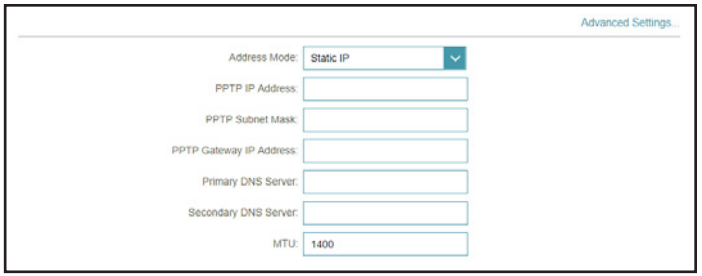
Address Mode Shows your chosen address mode.

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

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

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

Advanced Settings... - Static IP



Address Mode Displays your chosen address mode.

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

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

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

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

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

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

IPv4 - L2TP

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

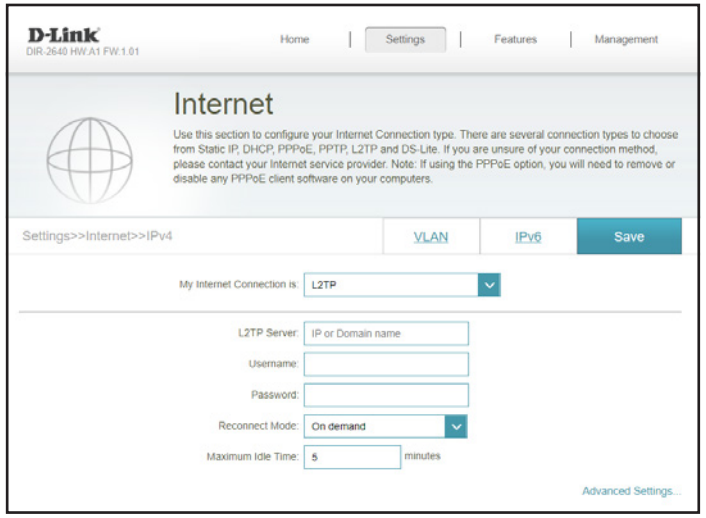
L2TP Server Enter the L2TP server IP address provided by your ISP.

Username Enter the username provided by your ISP.

Password Enter the password provided by your ISP.

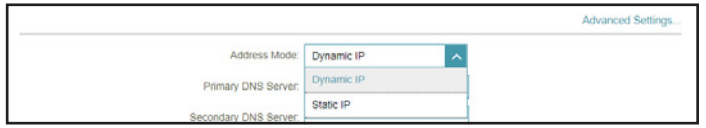
Reconnect Mode Select either **Always on**, **On Demand**, or **Manual**.

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

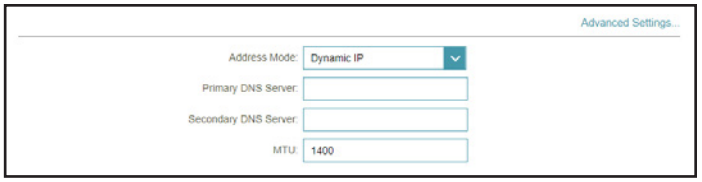


Advanced Settings...

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



Advanced Settings... - Dynamic IP



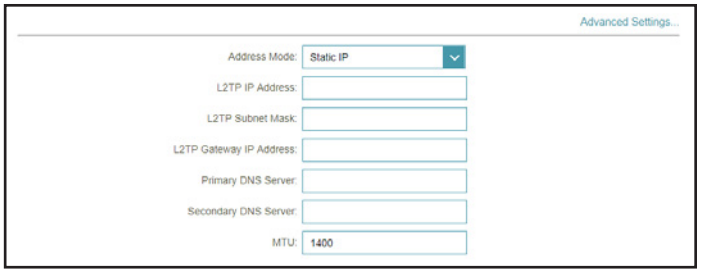
Address Mode Shows your chosen address mode.

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

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

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

Advanced Settings... - Static IP



Address Mode Shows your chosen address mode.

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

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

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

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

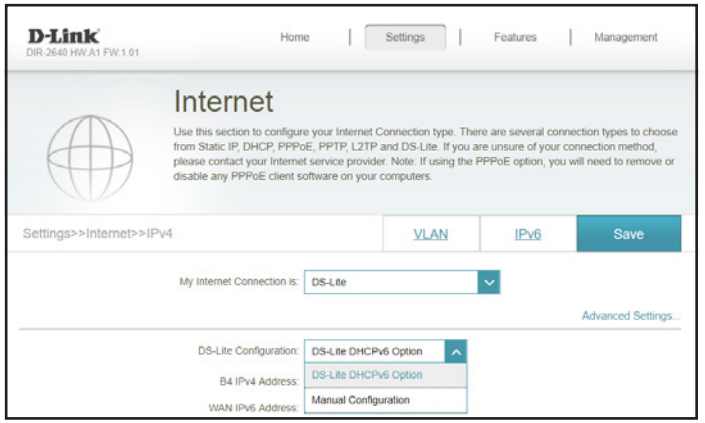
Secondary DNS Server Enter the secondary DNS server IP address assigned by your ISP.

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

IPv4 - DS-Lite

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

Advanced Settings...



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

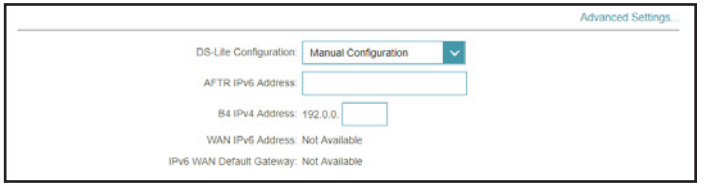
Advanced Settings... - DS-Lite DHCPv6 Option

B4 IPv4 Address — Enter the B4 IPv4 address value used here.

WAN IPv6 Address — Once connected, the WAN IPv6 address will be displayed here.

IPv6 Default WAN Gateway — Once connected, the IPv6 WAN default gateway address will be displayed here.

Advanced Settings... - Manual Configuration Option



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

B4 IPv4 Address — Enter the B4 IPv4 address value used here.

WAN IPv6 Address — Once connected, the WAN IPv6 address will be displayed here.

IPv6 WAN Default Gateway — Once connected, the IPv6 WAN default gateway address will be displayed here.

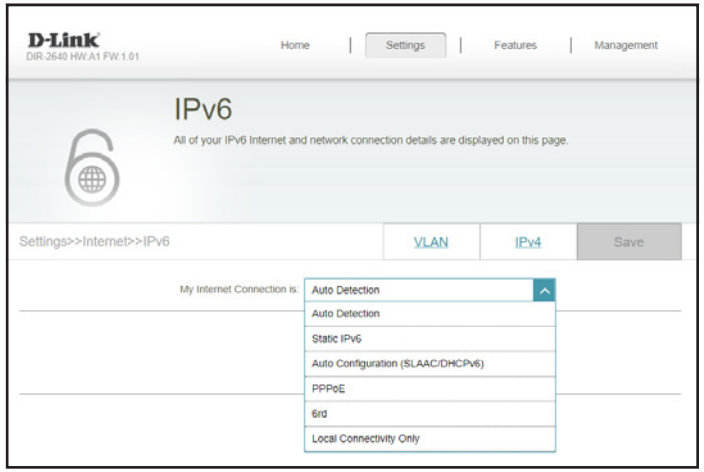
Internet - IPv6

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

To configure the IPv4 Internet and network connection details, click the **IPv4** link. Refer to **Internet - IPv4** on page **33**
To configure the VLAN connection details, click the **VLAN** link. Refer to **Internet - VLAN** on page **58**

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

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



For **IPv6 - Auto Detection** refer to page **44**

For **IPv6 - Static IPv6** refer to page **46**

For **IPv6 - Auto Configuration (SLAAC/DHCPv6)** refer to page **48**

For **IPv6 - PPPoE** refer to page **51**

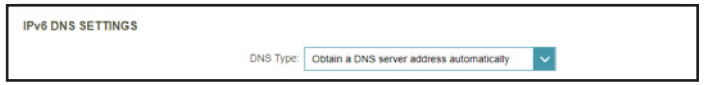
For **IPv6 - 6rd** refer to page **55**

For **IPv6 - Local Connectivity Only** refer to page **57**

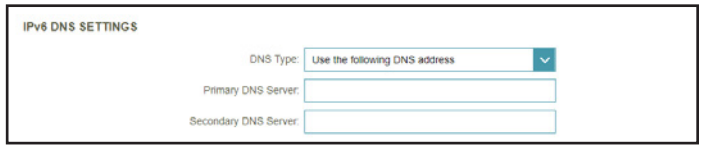
IPv6 - Auto Detection

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

IPv6 DNS Settings



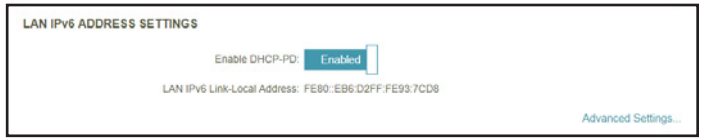
DNS Type — Select either **Obtain DNS server address automatically** or **Use the following DNS address**.



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

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

LAN IPv6 Address Settings



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

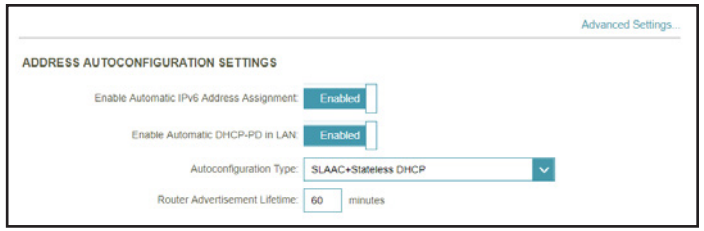
LAN IPv6 Link-Local Address — Displays the router's LAN link-local address.

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

LAN IPv6 Address — Enter a valid LAN IPv6 address.

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

Advanced Settings... - Address Autoconfiguration Settings

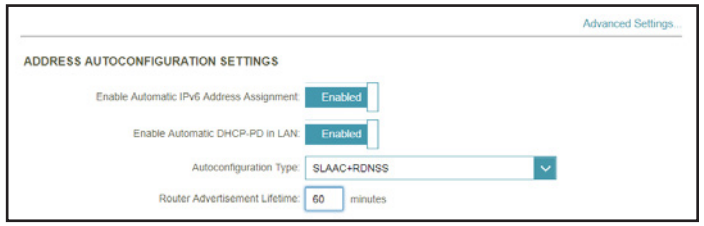


Enable Automatic IPv6 Address Assignment — Enable or disable the Automatic IPv6 Address Assignment feature.

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

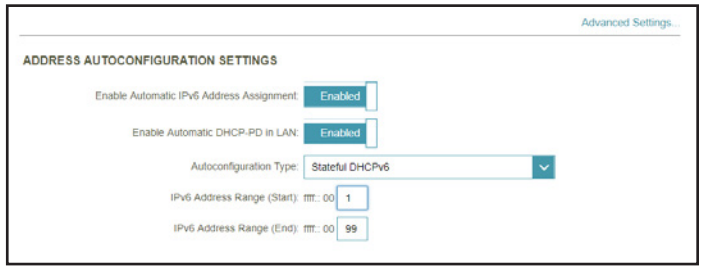
Autoconfiguration Type — Select **SLAAC+RDNSS**, **SLAAC+Stateless DHCP**, or **Stateful DHCPv6**.

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



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

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



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

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

IPv6 - Static IPv6

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

Use Link-Local Address — Enable or disable link-local address use.

IPv6 Address — Configurable when **Use Link-Local Address** is disabled. Enter the address supplied by your ISP.

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

Default Gateway — Enter the default gateway for your IPv6 connection.

Primary DNS Server — Enter the primary DNS server address.

Secondary DNS Server — Enter the secondary DNS server address.

LAN IPv6 Address Settings

LAN IPv6 Address — Enter the LAN (local) IPv6 address for the router.

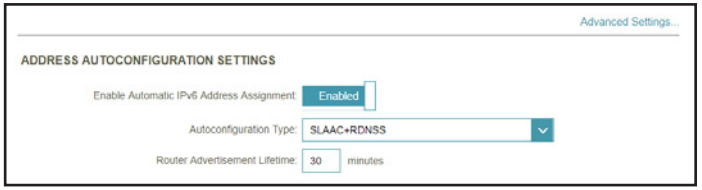
LAN IPv6 Link-Local Address — Displays the router's LAN link-local address.

Advanced Settings... - Address Autoconfiguration Settings

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

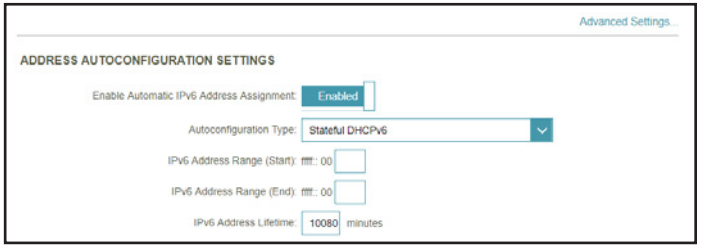
Autoconfiguration Type Select **SLAAC+RDNSS**, **SLAAC+Stateless DHCP**, or **Stateful DHCPv6**.

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



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

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



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

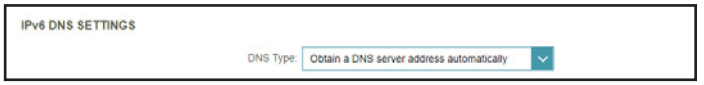
IPv6 Address Range (End) Enter the ending IPv6 address for the DHCP server's IPv6 assignment.

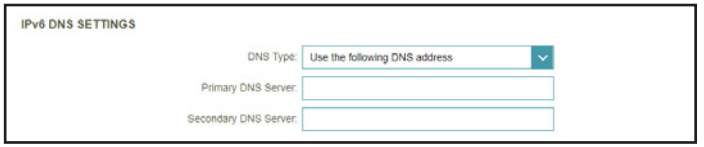
IPv6 Address Lifetime Enter the IPv6 address lifetime (in minutes).

IPv6 - Auto Configuration (SLAAC/DHCPv6)

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

IPv6 DNS Settings





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

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

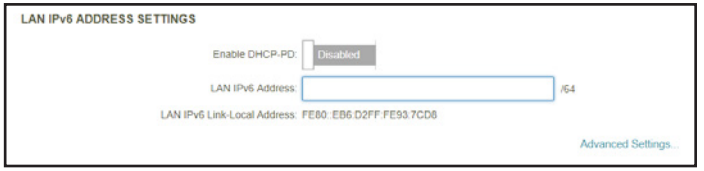
Secondary DNS Server — If you selected **Use the following DNS address**, enter the secondary DNS server address.

LAN IPv6 Address Settings

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

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

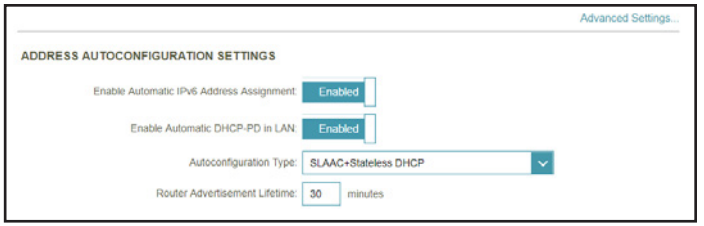
*If **Enable DHCP-PD** is disabled, these additional parameters are available for configuration:*



LAN IPv6 Address — Enter a valid LAN IPv6 address.

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

Advanced Settings... - Address Autoconfiguration Settings

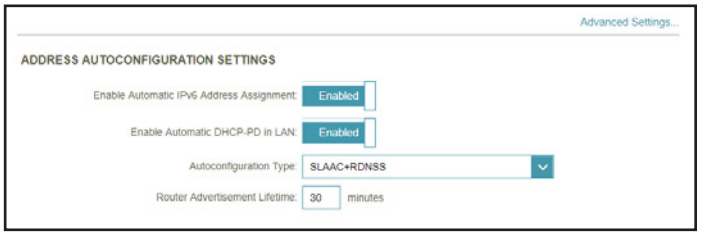


Enable Automatic IPv6 Address Assignment — Enable or disable the Automatic IPv6 Address Assignment feature.

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

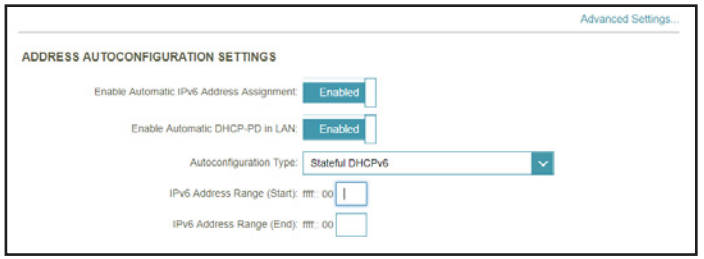
Enable Automatic DHCP-PD in LAN — Enable or disable DHCP-PD for other IPv6 routers connected to the LAN interface.

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



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

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



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

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

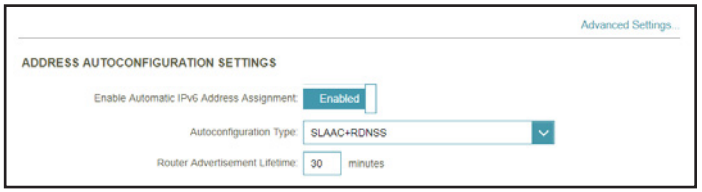
IPv6 Address Range (End) — Enter the ending IPv6 address for the DHCP server's IPv6 assignment.

Advanced Settings... - Address Autoconfiguration Settings

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

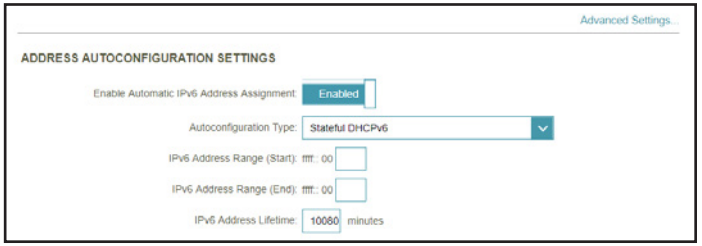
*If **Enable DHCP-PD** is disabled in the previous LAN IPv6 Address Settings:*

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



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

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



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

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

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

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