



User Manual

AC2600 Wi-Fi Range Extender

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	March 16, 2016	• Initial release
1.01	April 8, 2016	• Regulatory Statements updated

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ErP Power Usage

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

Network Standby: 4.93 watts

Switched Off: 0.096 watts

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Package Contents



DAP-1860 AC2600 Wi-Fi Range Extender



Wi-Fi Configuration Card



Quick Installation Guide

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

System Requirements

Network Requirements	<ul style="list-style-type: none">• A wireless router with an active Internet connection.• IEEE 802.11ac, 802.11n, 802.11g, 802.11b, or 802.11a wireless clients/devices
Web-based Configuration Utility Requirements	<p>A Computer or Mobile Device with the following:</p> <ul style="list-style-type: none">• Windows®, Apple® Mac OS®, or Linux-based operating system• Wireless adapter or Wi-Fi functionality• An Apple® iPhone®, iPod touch®, iPad®, or Android™ mobile device <p>Browser Requirements:</p> <ul style="list-style-type: none">• Internet Explorer® 10 or later• Firefox® 20.0 or later• Safari® 6 or later• Google Chrome™ 28 or later

Introduction

The D-Link DAP-1860 AC2600 Wi-Fi Range Extender extends your Internet connection over a blazing-fast Gigabit Wireless AC connection of up to 2532 Mbps (Up to 1732 Mbps via 5 GHz Wireless AC and up to 600 Mbps via 2.4 GHz Wireless N)¹, by using advanced AC beamforming technology to maximize the speed and range of your wireless signal. The DAP-1860 connects with your existing networking equipment to extend the range and enhance the capabilities of your home or office network. This means you can bring Wi-Fi to places where your current signal doesn't reach, letting you move from room to room, office to office, floor to floor, or yard to yard without losing signal. Enjoy Wi-Fi on your porch, balcony, next to your pool, breakroom, the far end of your office, or in your basement. The DAP-1860 prepares your home to become a Connected Home by allowing you to install more wireless surveillance cameras, baby monitors, sensors, and alarms in the places where you want rather just where your old signal reached.

Featuring a 4x4 MIMO antenna configuration, the DAP-1860 offers better data rates, fewer dead-spots, more coverage, and higher reliability. Built with AC SmartBeam technology, the DAP-1860's intelligent radios will direct wireless signals to exactly where they are needed. Operating exclusively in the 5 GHz band, the DAP-1860's 802.11ac wireless connections avoid crowded 2.4 GHz band traffic, giving you faster speeds while still maintaining backwards compatibility with older 802.11n/g/b devices. The DAP-1860's superior design allows you to enjoy full motion, high definition video calls on your mobile device while moving around. Equipped with a Gigabit LAN/Internet port to provide speeds up to 10x faster than standard 10/100 ports, the DAP-1860 creates the best networking experience to date.

The DAP-1860 AC2600 Wi-Fi Range Extender features D-Link's Smart Signal LED technology which makes finding the optimal location for your extender a cinch. With other range extenders, it is difficult or impossible to gauge how strong or weak the connection between an extender and an uplink network is, but the DAP-1860's Smart Signal LEDs eliminate the guesswork by giving you instant visual feedback so you can quickly test out multiple locations to find the best place for the DAP-1860.

The DAP-1860's Smart Connect Technology makes connecting to wireless networks easy by eliminating the confusion of multiple networks. Ever since the introduction of 5 GHz multi-band wireless technology, users have had to guess whether the 5 GHz or 2.4 GHz band network would provide them with better range and speed. Smart Connect simplifies this by only presenting a single wireless network for the user to connect to. Behind the scenes, the DAP-1860's advanced algorithms determine the best band for your device to connect to, automatically distributing devices to the optimal speed and band, thereby ensuring a faster, more reliable, and hassle-free experience for all of your users and devices.

Features

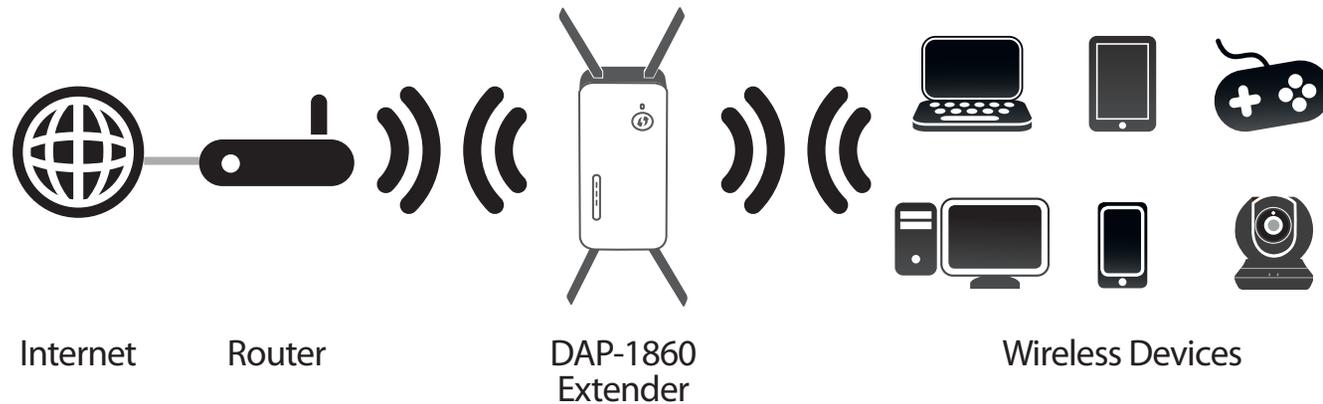
- **Superior Wireless Networking** - The DAP-1860 AC2600 Wi-Fi Range Extender lets you easily extend a secure wireless network with a press of a button. Connect the DAP-1860 to a router via Wi-Fi or Ethernet and share your high-speed Internet access in more places throughout your home or small office. The DAP-1860 provides Gigabit wireless speeds of up to a combined 2532 Mbps (1732 Mbps 802.11ac 5 GHz, plus 600 Mbps 802.11n 2.4 GHz)¹. This capability rivals wired connections, allowing users to participate in real-time activities online, such as HD video communication, online gaming, and use mobile devices from anywhere in your home while still offering full 802.11n/g/b backward compatibility.
- **Simple Setup** - All it takes is a press of a button to connect compatible WPS devices to the DAP-1860. Its easy-to-use web interface lets you quickly and easily connect the DAP-1860 to an uplink router, configure the extended wireless network, and manage administrative settings. The setup wizard will even guide you through the setup process, getting your extended wireless network up and running in no time. Alternatively, connect an Ethernet cable to your existing network infrastructure to quickly and easily create a wireless network.
- **Smart Connect** - Creates a 'single' wireless network for your devices to connect to. Behind the scenes, the DAP-1860 automatically determines whether to connect a device to the 2.4 or 5 GHz band, thereby providing the best speed and range for each device and optimally distributing devices between networks.
- **Latest Wireless Network Security and Encryption Standard**- The DAP-1860 is fully compatible with the latest 802.11ac standard, but is also backwards compatible with IEEE 802.11n/g/b/a wireless devices, so you can use your existing devices without sacrificing performance.

¹ Maximum wireless signal rate derived from IEEE Standard 802.11b, 802.11g, 802.11a, 802.11n, and 802.11ac specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental conditions will adversely affect wireless signal range.

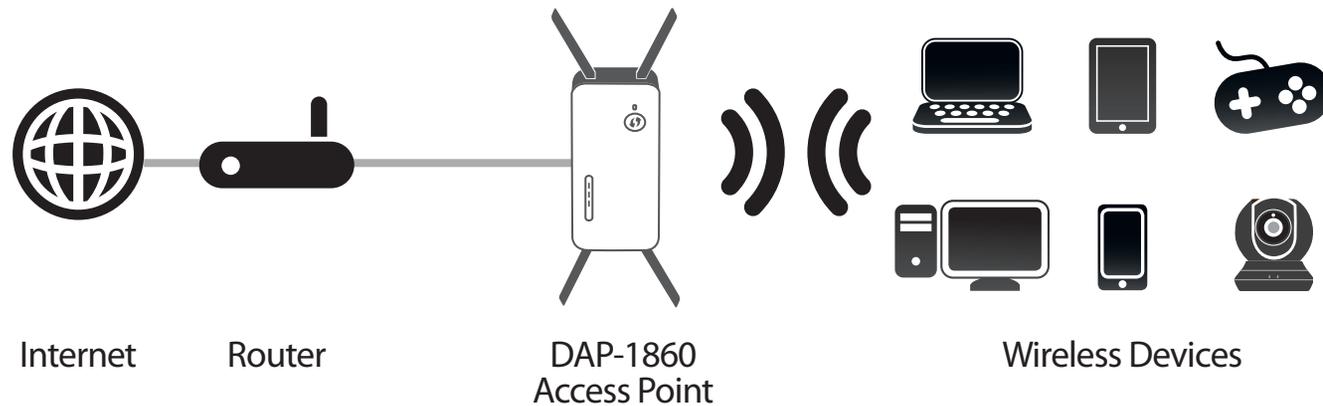
What is a Wireless Extender?

The DAP-1860 acts as a repeater to extend the range of an existing wireless network to provide a better signal for parts of your home or office that may have poor or no reception. Your existing wireless signal will be rebroadcast by the DAP-1860, allowing you to reach the farthest corners of your home or office. The extended network can simply use the same network credentials as the existing network, or you can specify a different network name and password, giving you the flexibility to control network access. You may also use the DAP-1860 as a wireless access point by connecting an Ethernet cable.

Extend Your Wireless Network using Wi-Fi

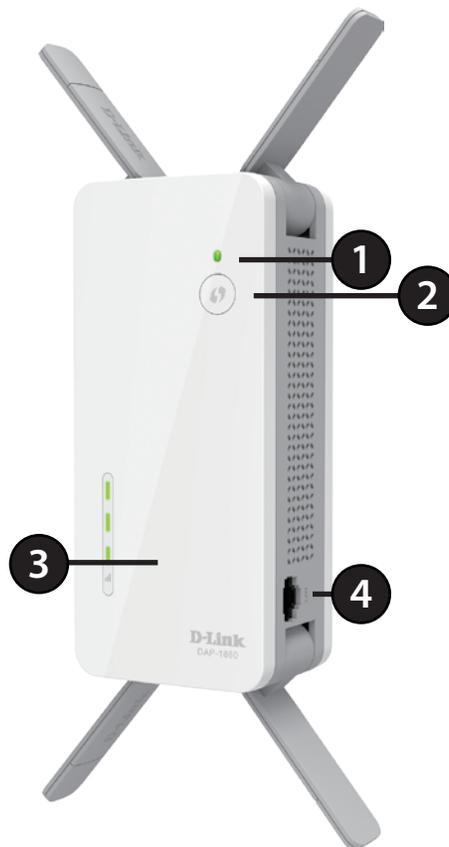


Create a Wireless Network using Ethernet



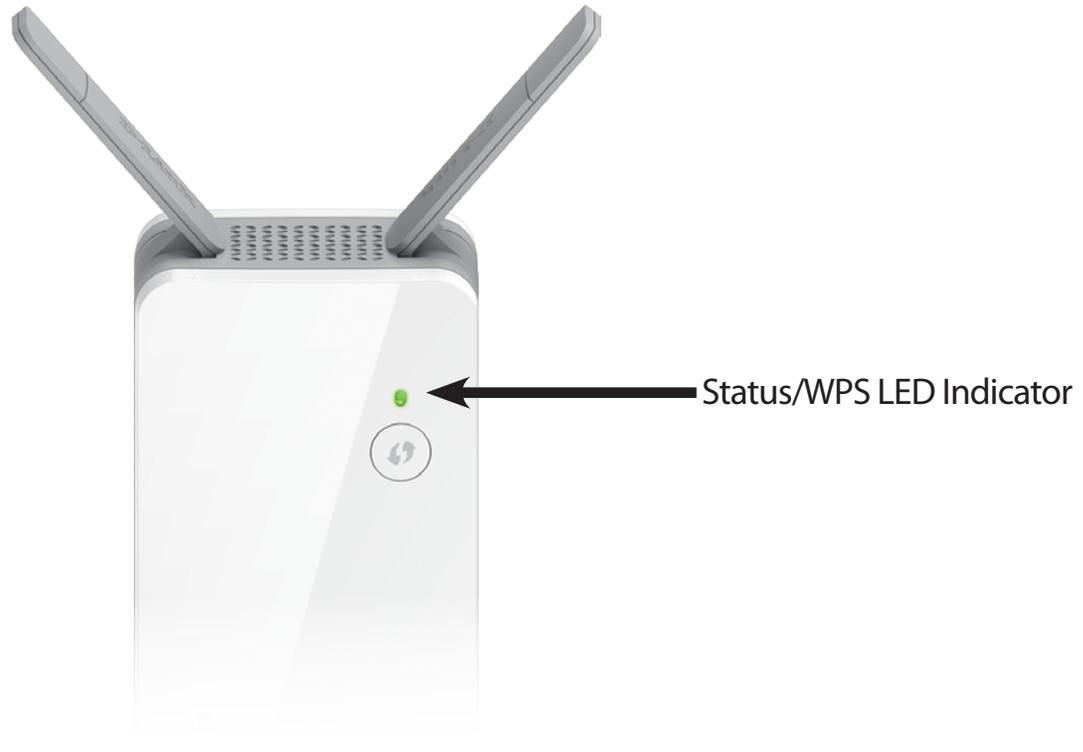
Hardware Overview

Front and Side



1	Status/WPS LED	This LED indicates the current status of the DAP-1860, as detailed on the next page.
2	WPS Button	Press to establish a connection with another WPS compatible device. Refer to Using the WPS Button on page 46 for more information.
3	Signal Indicator LED	The more lit green bars on the Signal Indicator LED, the better the wireless signal to the host network. A single solid amber LED indicates a weak Wi-Fi signal.
4	LAN Port	Connect an Ethernet cable if you are adding wireless to wired network.

Status/WPS LED Indicator



LED Indicator	Color	Status	Description
Power/Status	Green	Solid	The DAP-1860 is receiving power and connected to a host network.
		Blinking	WPS mode is active and ready to add a wireless device.
	Red	Solid	The DAP-1860 is booting or an error has occurred.
	Amber	Blinking	The DAP-1860 is not connected to a host network.
	None	Off	Device is not receiving power. Check the power outlet.

Hardware Overview

Bottom



1	Reset Button	Use an unfolded paperclip to press and hold the reset button on the bottom of DAP-1860 for 10 seconds to restore the factory default settings.
2	Power Switch	Use the power switch to power the DAP-1860 when it will not be in use for an extended period of time. The factory default is ON .

Hardware Overview

Back

You may locate the Wi-Fi name (SSID) and password for your DAP-1860. This information is printed on the label on the back of the device. You will need this information to connect your computer or mobile device to the default network (SSID) of your DAP-1860. This information is also provided on the included Wi-Fi configuration card.



Installation

Wireless Installation Considerations

The DAP-1860 lets you extend your existing wireless network's coverage as long as it is within range of the uplink network. Keep in mind that the DAP-1860's extension network's range may be limited by the number, thickness and location of walls, ceilings, or other objects that the wireless signals must pass through. 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 extender 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 extenders, 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.

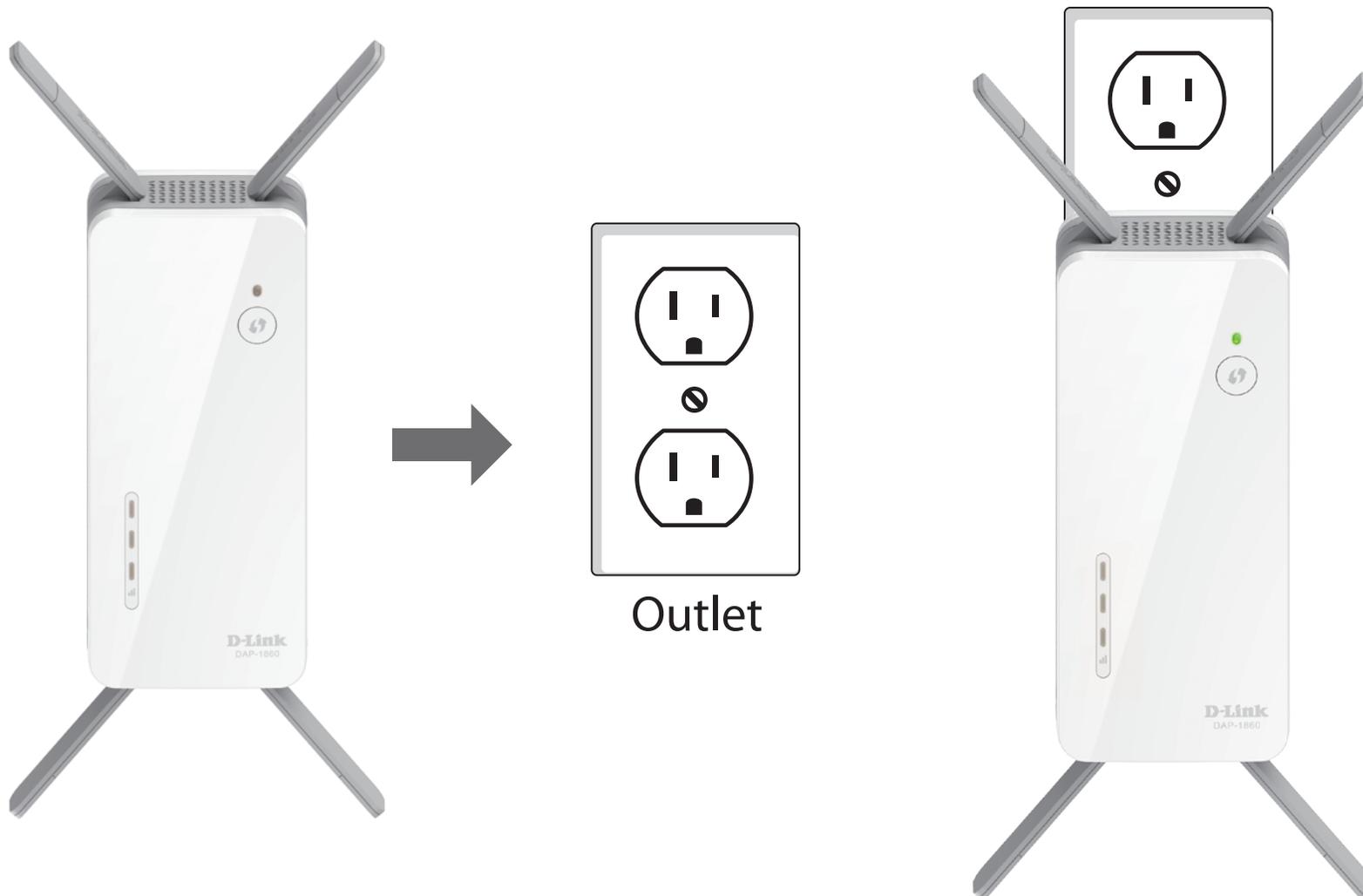
Antenna Setup

The DAP-1860 is designed to give you the fastest, most stable network connection possible. In order to maximize performance, fully extend the antennas to provide optimal wireless coverage. Keep the extender in an open area for better wireless coverage.



Hardware Setup

Ensure the power switch on the bottom of the DAP-1860 is in the **ON** position, plug the DAP-1860 into a wall outlet, and wait until the Status/WPS LED is blinking amber.



Getting Started

There are several configuration tools you can use to set up your DAP-1860.

- **WPS-PBC** - To easily extend an existing wireless network, refer to WPS-PBC Configuration on page 14 for setup instructions.
- **QRS Mobile App** - You can use your Android device or iPhone, iPad, or iPod touch to configure your extender. Refer to QRS Mobile App Setup on page 16 for setup instructions.
- **D-Link Setup Wizard** - This wizard will launch when you log into the Extender's web configuration utility for the first time. Refer to Setup Wizard on page 22 for setup instructions.
- **Manual Configuration** - Advanced users who wish to manually set up the extender or adjust its settings may refer to Configuration on page 32 for more information.

WPS-PBC Configuration

Wireless Protected Setup (WPS) makes connecting your DAP-1860 easy. To use WPS, first make sure the source router or access point features a WPS Button or has a virtual WPS Button.

Step 1 - Initiate WPS Mode

While the Status/WPS LED is blinking amber, push the WPS button on the source wireless router or AP, and then push the WPS button on the DAP-1860. The Status/WPS LED will start to flash green. Please allow up to two minutes for the process to finish. The Status/WPS LED will turn solid green when the DAP-1860 has connected successfully to the source wireless router or access point.

Step 2 - Connecting Devices to the DAP-1860

The DAP-1860 is now ready to share the extended Wi-Fi network with your PCs and mobile devices. You may use the WPS method to connect devices to the extended network created by the DAP-1860 using the following network names (SSID). The password will be the same as the wireless network you are extending.

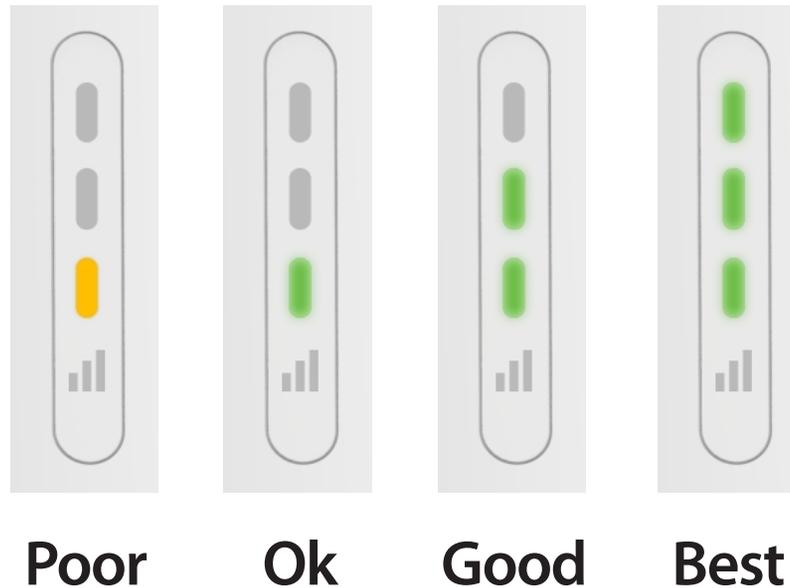
- **(Your router's SSID)-EXT**

The Smart Connect feature will present a single wireless network. When connecting clients to the extended 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 SSIDs, refer to **Extender Settings** on page 36.



Optimize Extender Location

The Status/WPS LED will turn solid green when the DAP-1860 has connected successfully to a wireless network and is extending that network. If the Smart Signal LED has a single amber bar after the connection process has finished, the DAP-1860 has established a poor quality connection. The more lit bars on the Signal Indicator LED, the better the wireless signal. To improve the connection quality, the DAP-1860 should be relocated closer to the source wireless router. If the extender has been configured as an Access Point and is connected via Ethernet cable to an uplink network, the Smart Signal LED will not be lit.



QRS Mobile App Setup

The DAP-1860 can be set up from your iPhone, iPod touch, iPad, or Android smartphone or tablet device using the QRS Mobile app.

Note: The screenshots may be different depending on your mobile device's OS version.

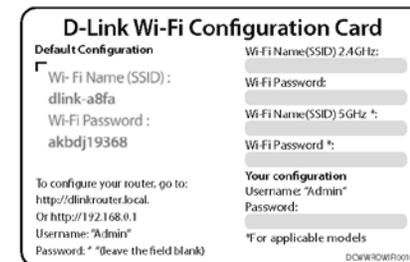
Step 1

Search for the free **QRS Mobile** app on the Apple App Store or Google Play and install it.



Step 2

Once your app is installed, connect your mobile device to the wireless network of your DAP-1860. You can find the Wi-Fi name(SSID) and password of your device on the included Wi-Fi Configuration Card.



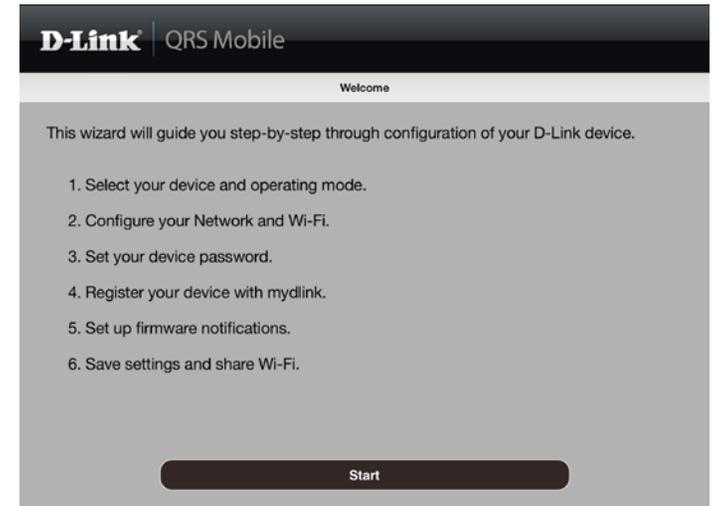
Step 3

Once you are connected to the extender, launch the QRS Mobile app from the Home screen of your device.

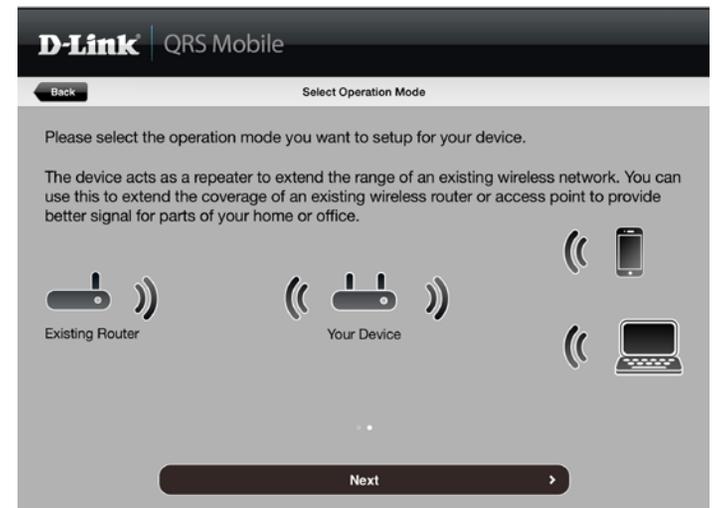
Note: The following steps show the iOS interface of the QRS Mobile app. If you are using an Android device, the appearance may be different to that of the screenshots, but the process is the same.



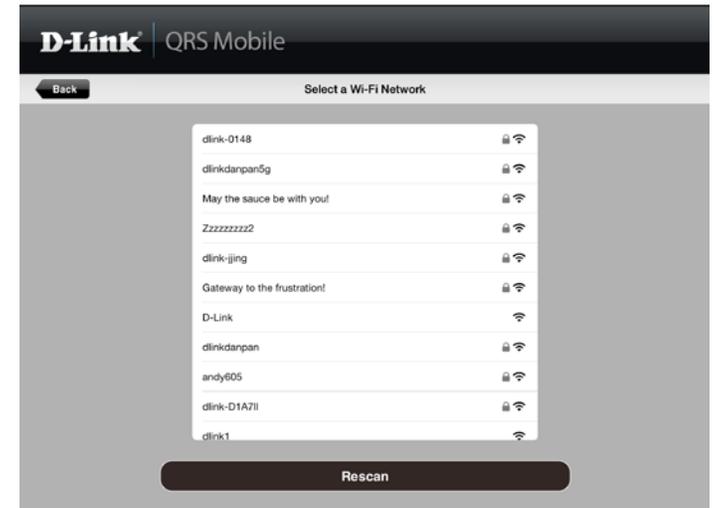
Click **Start** to continue.



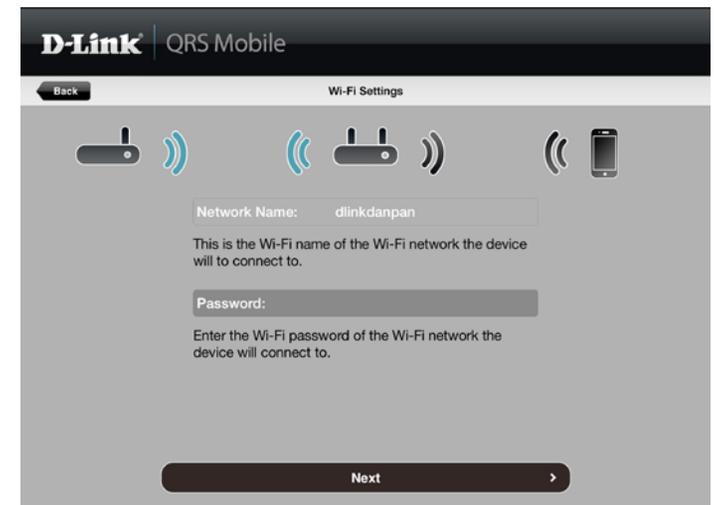
Click **Next** to continue.



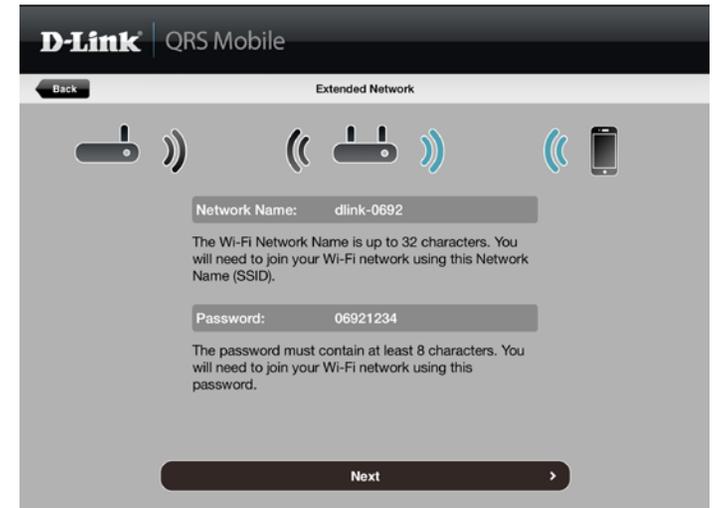
QRS Mobile will first detect your DAP-1860, then scan for available Wi-Fi networks. Select the network you wish to extend. Tap **Rescan** if your network doesn't show up the first time.



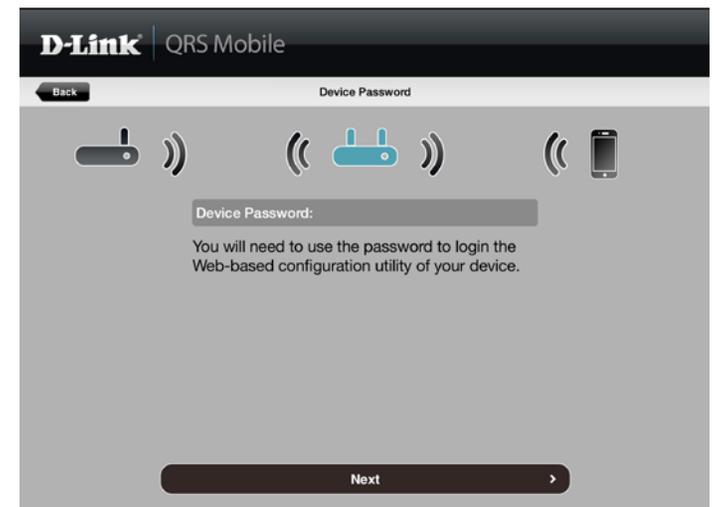
Enter the password for the existing Wi-Fi network. Click **Next** to continue.



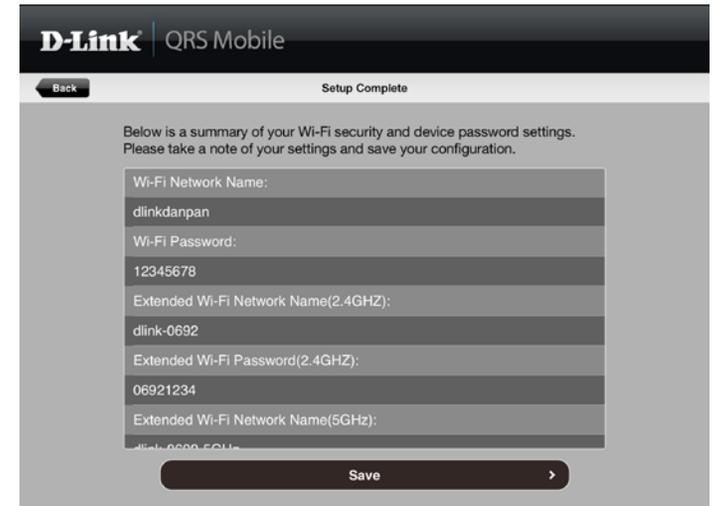
Enter a network name (SSID) and password for the extended Wi-Fi network. Click **Next** to continue.



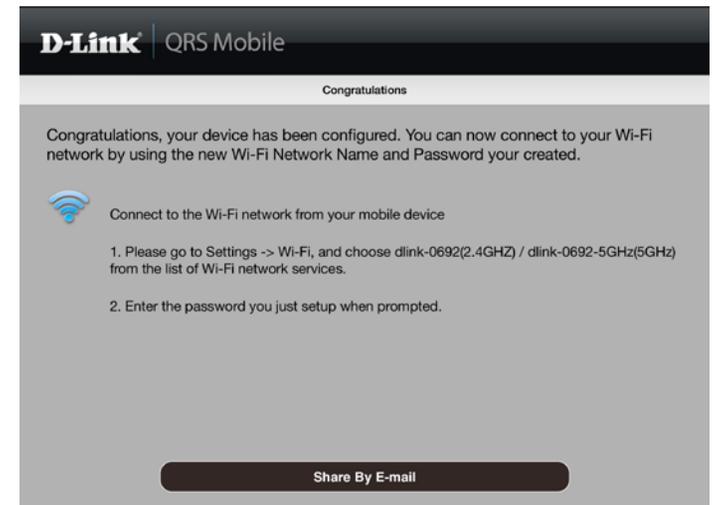
Create an admin password for the DAP-1860's web-based configuration utility. Click **Next** to continue.



A summary of your settings will be displayed. Click **Save** to reboot the device and to complete the setup.



After the setup wizard is complete, the following screen will appear. To connect to the extended network, you can now change your mobile device and laptop Wi-Fi settings to the wireless network name and password you just created. You can also share your Wi-Fi information by clicking **Share by E-mail**.



Web-based Setup

To access the setup utility for the DAP-1860 AC2600 Wi-Fi Range Extender on your PC, first connect to the DAP-1860 wirelessly using the Wi-Fi name (SSID) and password located on your Wi-Fi Configuration Card. Then open a web browser and enter **http://dlinkap.local./** in your browser's URL field. You may also enter the IP address* of the DAP-1860.

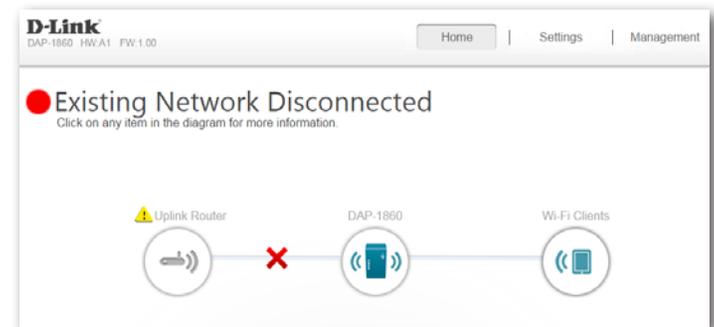
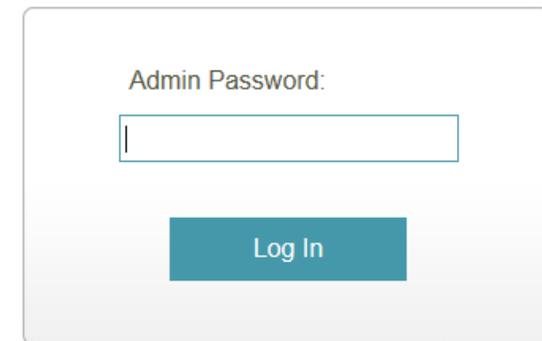
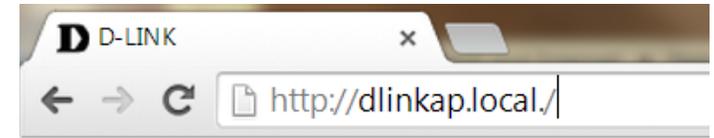
Note: Web browser configuration is not supported for Android Devices. Please use the QRS Mobile Application to configure your device.

*The default IP address is 192.168.0.50. Once your DAP-1860 connects to the host network, it will be assigned a new IP address based on your network's DHCP settings. You will need to log in to your router to see what IP address is assigned to your DAP-1860.

For multiple DAP-1860s, go to **http://dlinkapxxxx.local.** as shown on the included Wi-Fi Configuration Card, with "xxxx" being the last four digits of the DAP-1860's MAC address.

Enter your password. By default, Admin is the username and cannot be changed, and by default, the password is blank.

The configuration interface will open, and you can configure the various settings for the DAP-1860. If you have not yet configured an uplink network, the home screen will show that there is no connection between the DAP-1860 and the uplink router.



Setup Wizard

If this is your first time logging in to the extender and no connection has been established, the setup wizard will automatically appear.

In the future, if you wish to set up your extender using the setup wizard, click the **Uplink Router** icon.

The setup wizard is designed to guide you through a step-by-step process to configure your new DAP-1860 AC2600 Wi-Fi Range Extender to extend your wireless network and connect to the Internet.

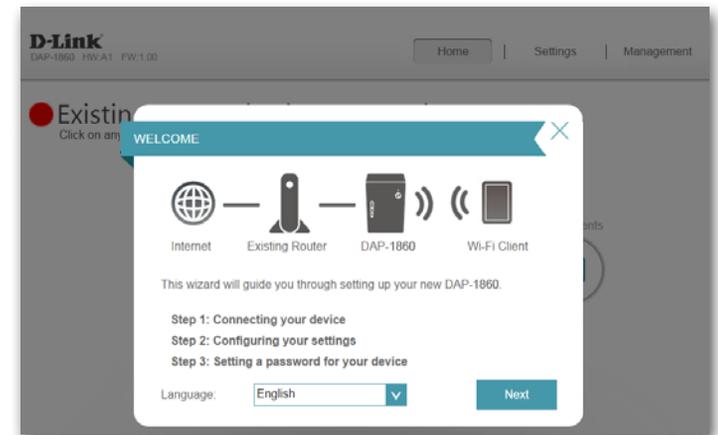
The steps are:

Step 1: Connecting Your Device

Step 2: Configuring Your Settings

Step 3: Setting a Password for Your Device

Click **Next** to begin.



Connecting Your Device via WPS

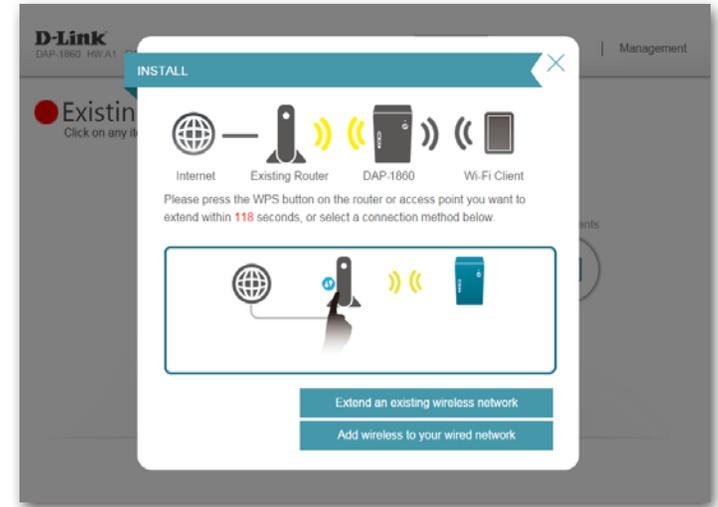
After clicking the **Next** button from the previous step, the DAP-1860 will automatically initiate a WPS-PBC (Wireless Protected Setup - Push Button Control) search to find an uplink network to extend. If your existing wireless networking device has a physical or virtual WPS button, press or enable it within the 120 seconds allotted by the countdown timer.

If you do not wish to use WPS or your existing networking device does not have a WPS feature, select one of the alternative configuration options:

Extend an existing network, see page 25 for more information or

Add wireless to your wired network, see page 28 for further setup information.

Once the 120 second timer has elapsed, proceed to the next page.



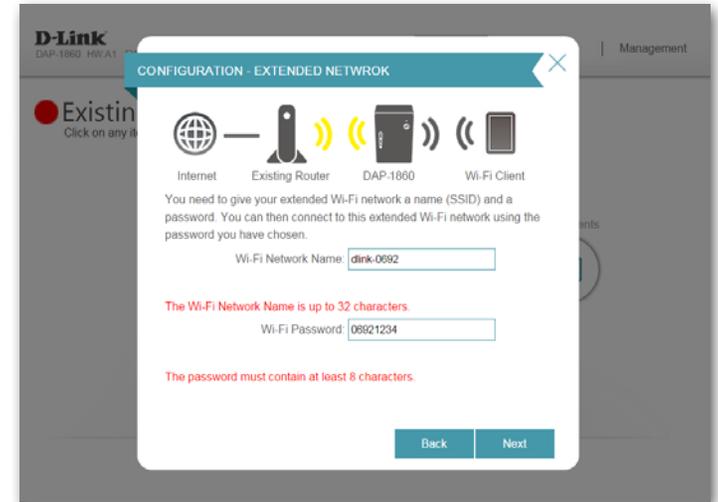
WPS Successful

If a WPS connection is successfully established, you will be prompted to configure your extension network settings. The current network names and passwords will be displayed.

The Setup Wizard automatically enables Smart Connect, presenting clients with a single wireless network. If you wish to individually configure the 2.4 and 5 GHz networks, complete the Setup Wizard first, then refer to **Extender Settings** on page 36.

Please be sure to note any changes you make as these credentials will be required for wireless clients wishing to join your network.

Click **Next** to proceed to **Configure Administrator Password** and refer to page 30 for more information, or click **Back** to return to the previous step.



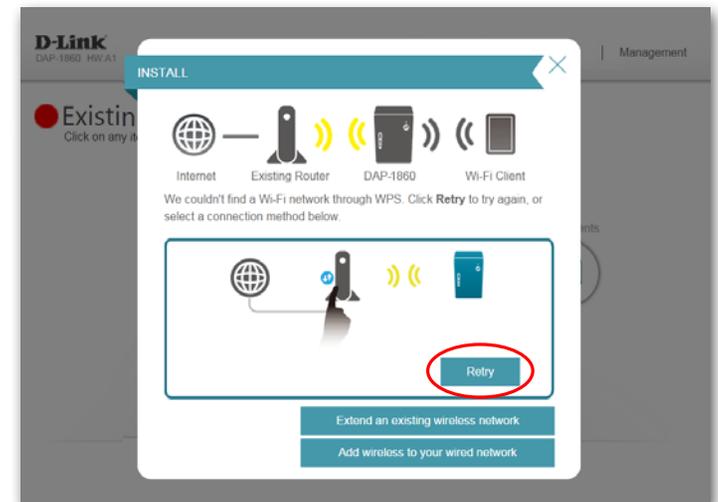
*Wireless network names and passwords are shown as examples only.

WPS Unsuccessful

If the WPS countdown timer expires, and no connection to an uplink wireless network could be established, you may press the **Retry** button to attempt the process again, or if you do not wish to use WPS, or are having difficulty using the WPS feature, you can try using one of these alternative configuration options:

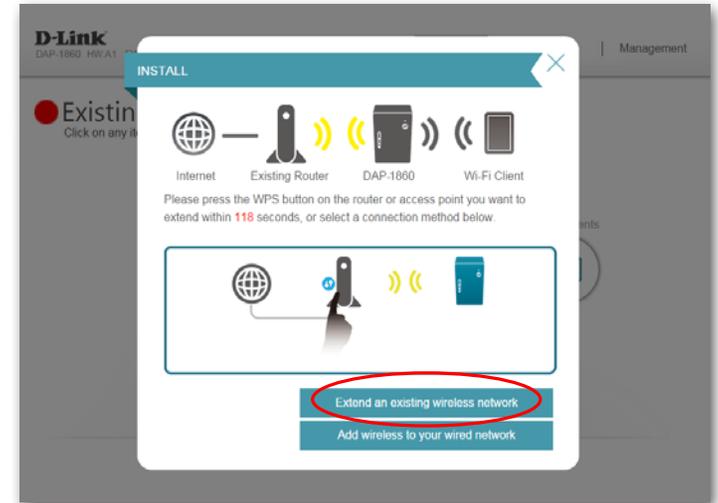
Extend an existing network, see page 25 for more information or

Add wireless to your wired network, see page 28 for further setup information.



Extend an Existing Network

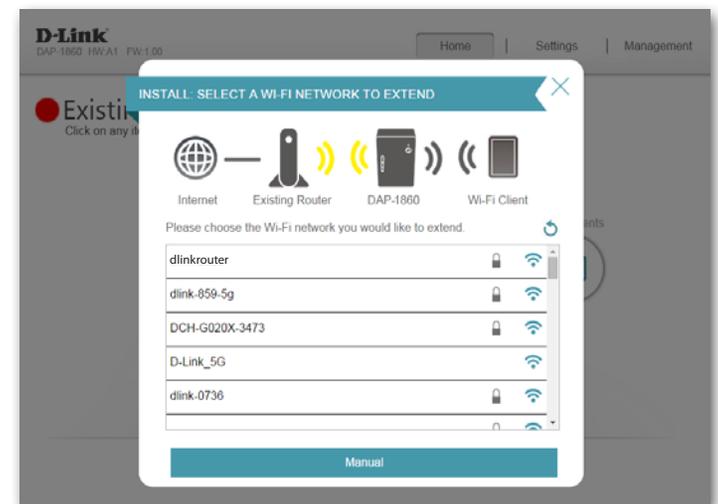
To set up your network manually, select **Extend an Existing Network** from the setup wizard menu. Click **Next** to continue.



The DAP-1860 will scan for available wireless networks and display a list of results. You may choose one of the following options to proceed:

- If the wireless network you wish to extend was detected by the scan, click on the network to select it. The extender will automatically forward you to the next step.
- If the network you would like to extend was not detected by the scan, click the **Manual** button.

Note: If the wireless network you would like to extend to was not detected by the scan, your DAP-1860 might be out of range and you may need to reposition the extender closer to the host network device.

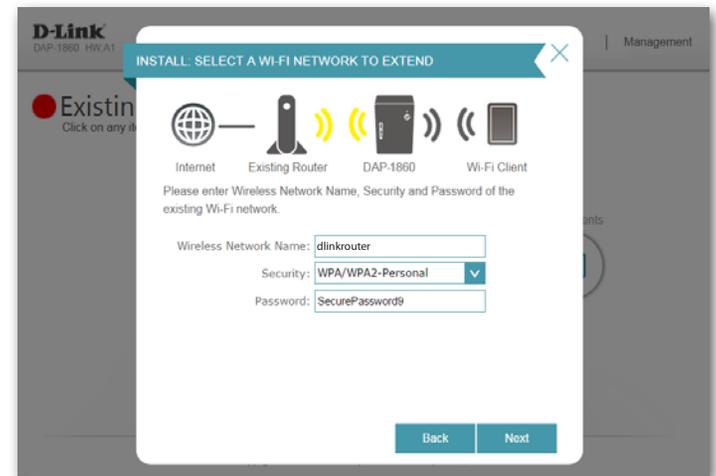
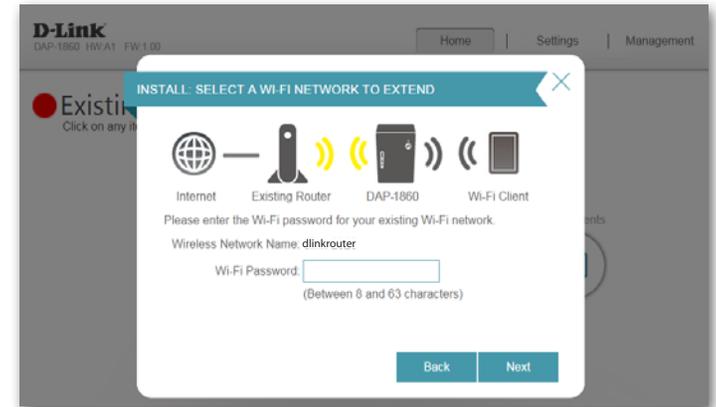


If the wireless network you wish to extend was detected by the scan, enter its password now.

Click **Next** to continue on to configure your extension network settings, or click **Back** to return to the previous step.

If you chose **Manual**, enter the Wireless Network Name, type of Security, and Password of the existing Wi-Fi network you wish to connect to.

Click **Next** to continue on to configure your extension network settings, or click **Back** to return to the previous step.

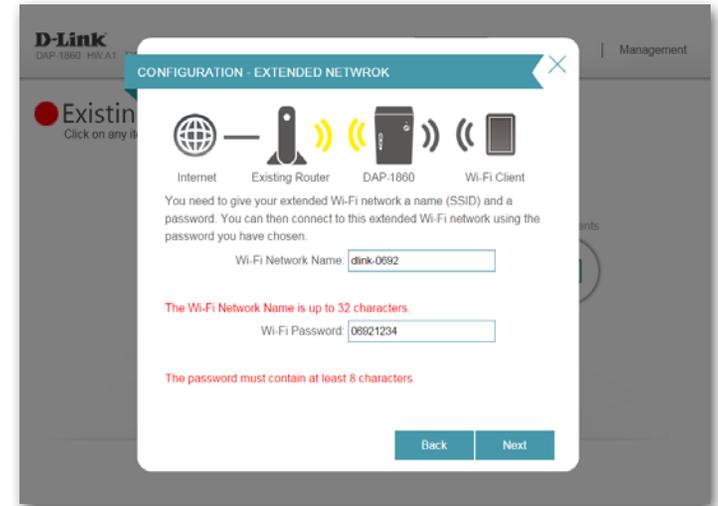


If a connection is successfully established, you will be prompted to configure your extension network settings. The current network names and passwords will be displayed.

The Setup Wizard automatically enables Smart Connect, presenting clients with a single wireless network. If you wish to individually configure 2.4 and 5 GHz networks, complete the Setup Wizard first, then refer to **Extender Settings** on page 36.

Please be sure to note any changes you make as these credentials will be required for wireless clients wishing to join your network.

Click **Next** to proceed to **Configure Administrator Password** and refer to page 30 for more information, or click **Back** to return to the previous step.

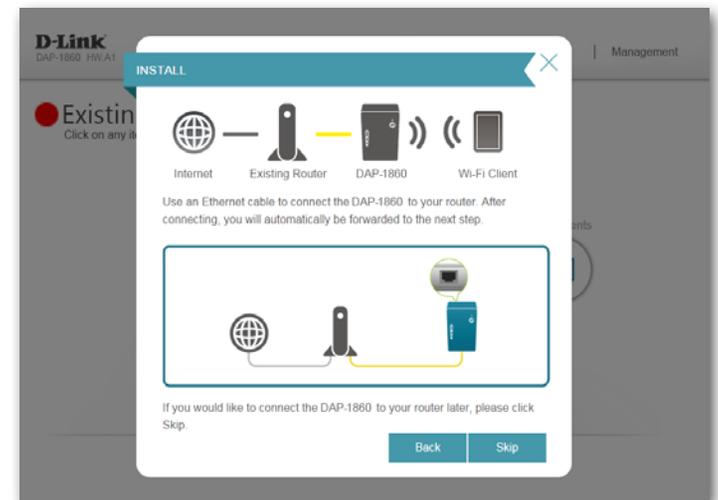
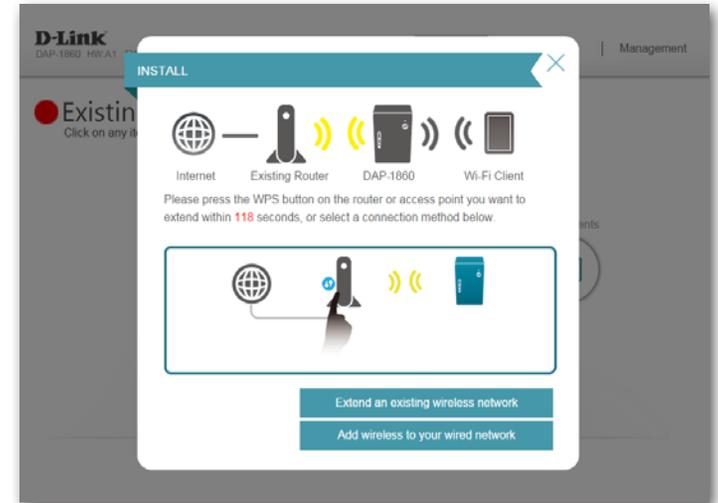


*Wireless network names and passwords are shown for example only.

Add Wireless to Your Wired Network

This portion of the setup wizard will guide you through adding a wireless network to an existing wired network. Click **Add wireless to your wired network** to proceed.

Connect an Ethernet cable to your DAP-1860 if you have not already done so. After making the connection, you will automatically be forwarded to the next step. If you haven't connected an Ethernet cable yet, but will do so later, click **Skip**.

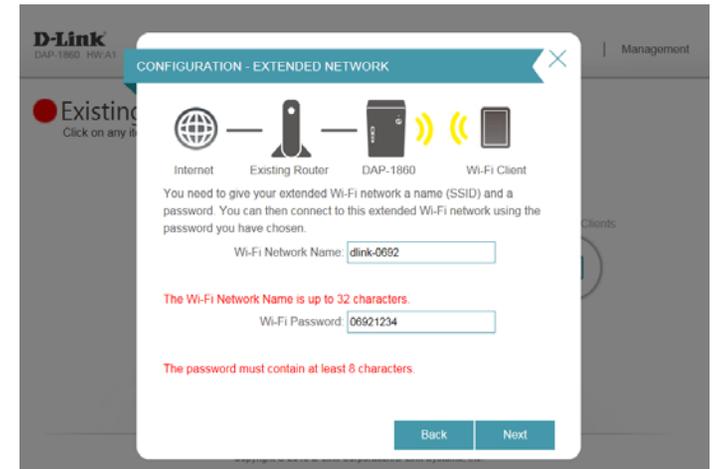


If a connection is successfully established, you will be prompted to configure your wireless network settings. The current network names and passwords will be displayed.

The Setup Wizard automatically enables Smart Connect, presenting clients with a single wireless network. If you wish to individually configure 2.4 and 5 GHz networks, complete the Setup Wizard first, then refer to **Extender Settings** on page 36.

Please be sure to note any changes you make as these credentials will be required for wireless clients wishing to join your network.

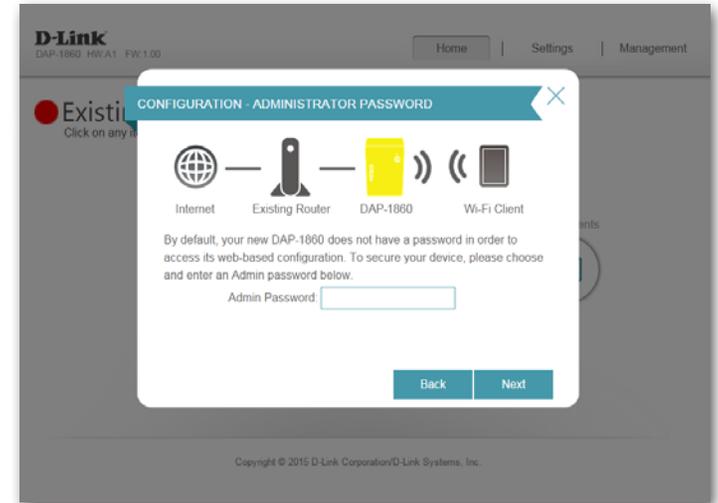
Click **Next** to proceed to **Configure Administrator Password** and refer to page 30 for more information, or click **Back** to return to the previous step.



*Wireless network names and passwords are shown for example only.

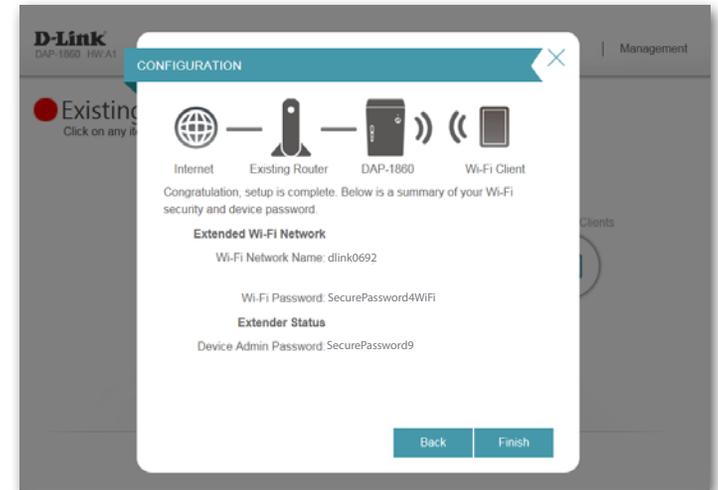
Configure Administrator Password

In order to secure the extender's web configuration utility, please enter a new password. You will be prompted for this password each time you want to use the extender's web configuration utility. Click **Next** to continue onward to **Save Your Configuration**.



Save Your Configuration

At the end of the wizard, you will be presented with a final summary of your settings. It is recommended that you record this information for future reference. Click **Finish** to close the wizard.



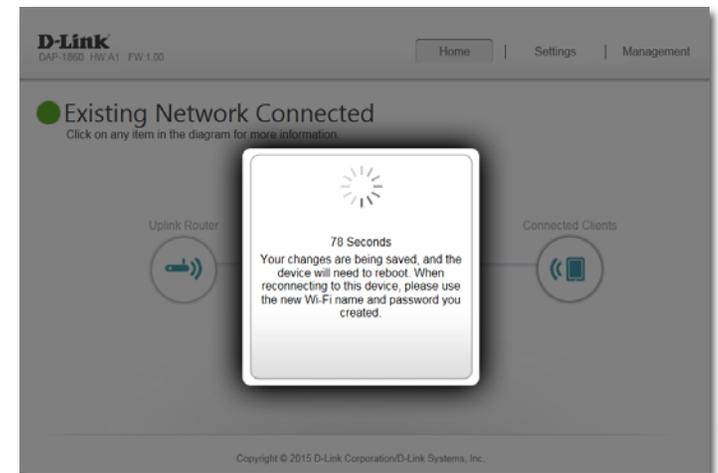
*Wireless network names and passwords are shown for example only.

You will be asked if you wish to create a bookmark to the web configuration utility.



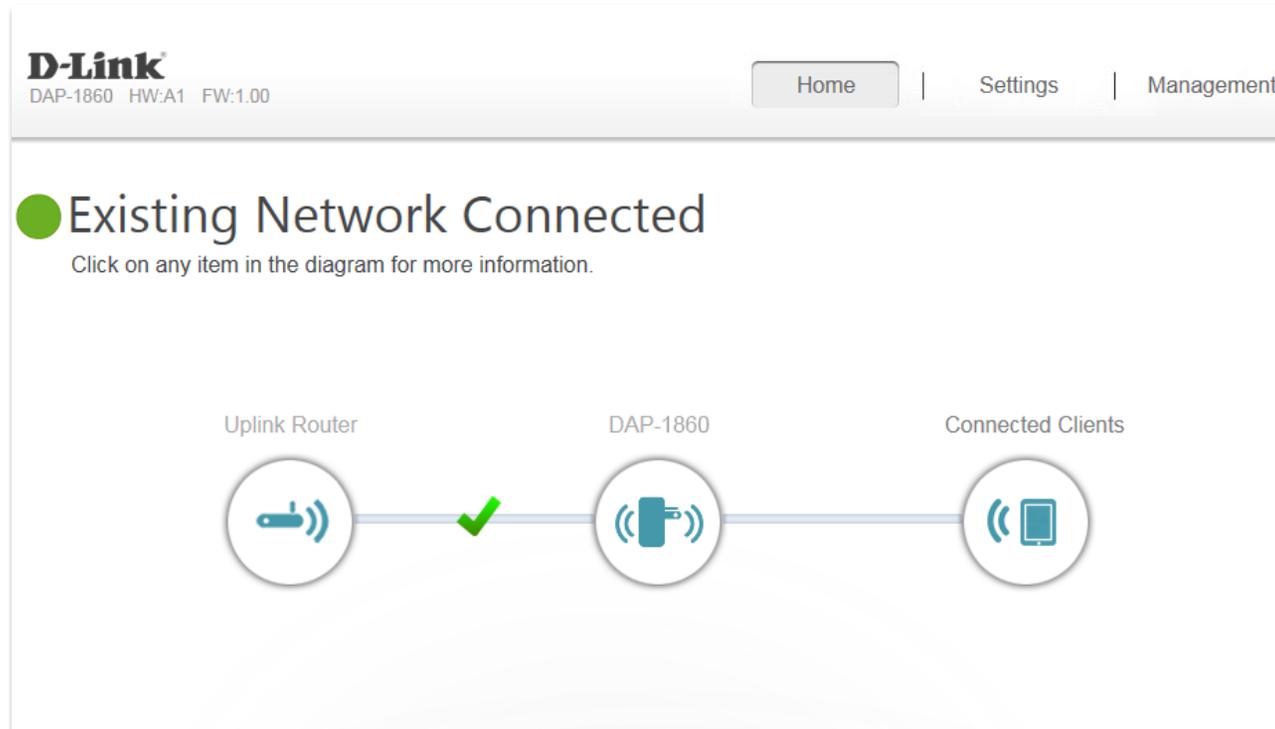
Your changes will be saved and the extender will reboot.

Devices may be connected to the new wireless extended network once the extender successfully reboots.



Configuration Home

The home screen gives a summary of the current status of devices connected to the DAP-1860. A green check between the device and the uplink router indicates that they are connected. A red X indicates that there is no connection present, or there is a connection error. To fix this, click on the Uplink Router icon to start the setup wizard.



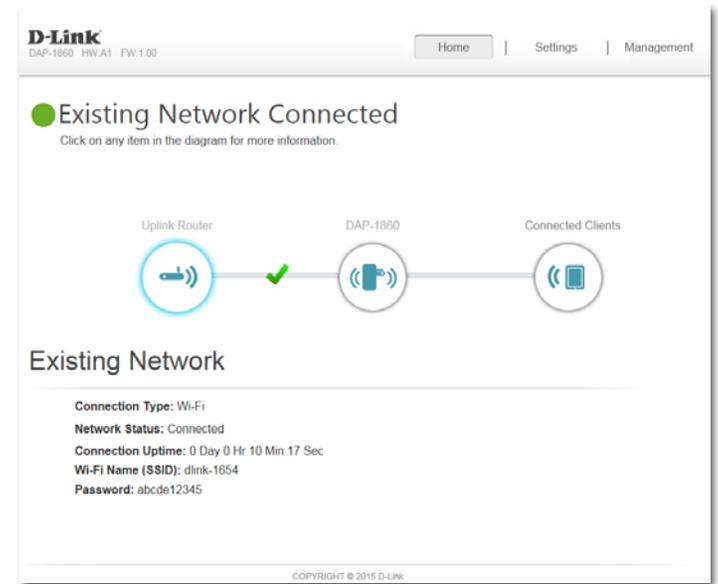
Uplink Router: This icon shows the status of the connection to the uplink router. It is grey if the DAP-1860 is not connected to an uplink router. Once connected, click on it to see its connection details.

DAP-1860: Click on this icon to see details of the uplink network the DAP-1860 is connected to or connect to another uplink router.

Connected Clients: Click on the Connected Clients icon to see client details.

Uplink Router

Upon clicking the Uplink Router icon, you will see the connection type, network status, connection up time, network name (SSID), and password.

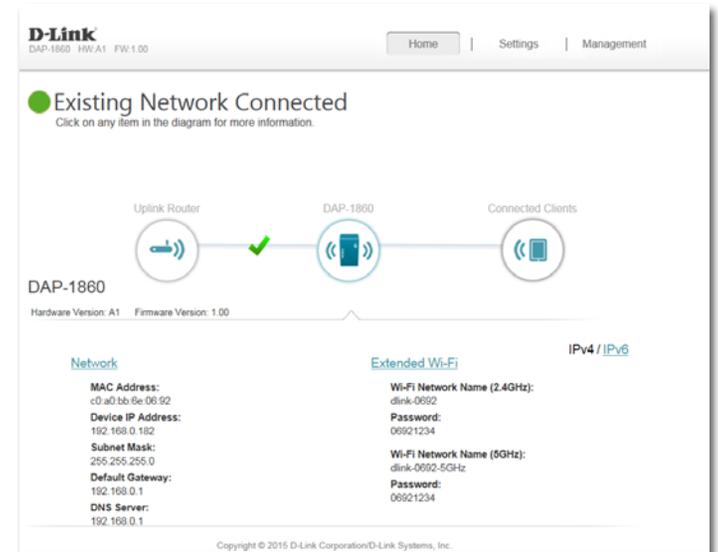


DAP-1860

To view the DAP-1860's Network and Wi-Fi information, click on the **DAP-1860** icon. Your **Network** and **Extended Wi-Fi Network** settings are displayed at the bottom of the page.

Your Extender's MAC, IPv4, subnet mask, default gateway, and DNS Server addresses are displayed. To change the Network settings, refer to page 38.

Your Extender's extended Wi-Fi network name and password are also displayed. To change the extended Wi-Fi network settings, refer to page 36.



Connected Clients

Click on the **Connected Clients** icon to view details about the extender and its wireless settings.

On this page, you can see all the clients currently connected to the extender, along with their IP and MAC addresses.

Edit Rule ✕

Name:

Vendor: Unknown Vendor

MAC Address: 3c:1e:04:f3:b6:49

IP Address: 192.168.150.115

Settings

Extender Settings

This page lets you configure the settings for the DAP-1860's extended wireless network. To access this page, click the **Settings** drop-down menu at the top of the page, and select Extender. Click **Save** to apply the settings and return to the home page.

Existing Network

Existing Network: Select whether you want to connect the DAP-1860 to an existing **Ethernet** or **Wi-Fi** network.

Smart Connect

Smart Connect: Enable or disable Smart Connect by toggling this slider. Disable to individually configure the 2.4 and 5 GHz networks.

If Smart Connect is Enabled:

Extended Wi-Fi

Status: Enable or disable the extended Wi-Fi network by toggling this slider.

Wi-Fi Name (SSID): This is the name of the DAP-1860's extended network. If using **Wi-Fi**, the DAP-1860 will rebroadcast the uplink router's Internet connection under this SSID. You may also manually set the SSID of the extended network.

Password: Enter the password or network key that you wish to use for the extended network.

The screenshot shows the D-Link DAP-1860 Extender Settings page. The page title is 'Extender' and it includes a navigation bar with 'Home', 'Settings', and 'Management' options. The main content area is titled 'Extender' and contains the following configuration options:

- Existing Network:** A dropdown menu set to 'Wi-Fi'. Below it are input fields for 'Wi-Fi Name (SSID)' and 'Password', with a 'Scan' button next to the SSID field.
- Smart Connect:** A status slider set to 'Enabled'.
- Extended Wi-Fi:** A status slider set to 'Enabled'. Below it are input fields for 'Wi-Fi Name (SSID)' (containing 'dlink-3688') and 'Password' (containing 'abcde12345').

A 'Save' button is located at the top right of the configuration area.

If Smart Connect disabled:

2.4 GHz Extended Wi-Fi

Status: Enable or disable this network by toggling this slider.

Wi-Fi Name (SSID): This is the name of the DAP-1860's 2.4 GHz extended network. If using **Wi-Fi**, the DAP-1860 will rebroadcast the uplink router's Internet connection under this SSID. You may also manually set the SSID of the extended network.

Password: Enter the password or network key that you wish to use for the extended network.

Wi-Fi Channel: Select **Auto** or any channel from 1 to 13 for use with this network.

Channel Width: Select **Auto 20/40** or **20 MHz** for the bandwidth you wish this network to use.

HT20/40 Coexistence: Enable or disable HT20/40 coexistence by toggling the slider.

5 GHz Extended Wi-Fi

Status: Enable or disable this network by toggling this slider.

Wi-Fi Name (SSID): This is the name of the DAP-1860's 5 GHz extended network. If using **Wi-Fi**, the DAP-1860 will rebroadcast the uplink router's Internet connection under this SSID. You may also manually set the SSID of the extended network.

Password: Enter the password or network key that you wish to use for the extended network.

Wi-Fi Channel: Select **Auto** or **36, 40, 44, 48, 149, 153, 157, 161, or 165** for use with this network.

Channel Width: Select **Auto 20/40/80, Auto 20/40,** or **20 MHz** for the bandwidth you wish this network to use.

The screenshot shows the D-Link web interface for the DAP-1860. The page is titled "Extender" and has a "Save" button in the top right. The "Existing Network" is set to "Ethernet". The "Smart Connect" status is "Disabled". The "2.4GHz Extended Wi-Fi" section is enabled, with the following settings: Wi-Fi Name (SSID): dlink-3888, Password: abcde12345, Wi-Fi Channel: 6, Channel Width: Auto 20/40 MHz, and HT20/40 Coexistence: Enabled. The "5GHz Extended Wi-Fi" section is also enabled, with the following settings: Wi-Fi Name (SSID): dlink-3888, Password: abcde12345, Wi-Fi Channel: Auto, and Channel Width: Auto 20/40/80 MHz.

Network Settings

This page lets you configure the network settings for the DAP-1860. To access this page, click the **Settings** drop-down menu at the top of the page, then select **Network**. Click **Save** at any time to save the changes you have made on this page.

Management Link: You can change the URL name of the device by editing the text in the text box. If you change the name of the device, you will need to enter **http://xxxx.local/** (where “xxxx” corresponds to the name of the device) in the address bar of your web browser in order to access the configuration utility.

Settings >> Network Save

Network Settings

Device Name: http:// .local/ [Advanced Settings...](#)

Advanced Settings

The Advanced Settings section of the Network Settings page allows you to configure both IPv4 and IPv6 settings that will be used by the DAP-1860's extended network.

IPv4 Device Management Interface

My LAN Connection is: Here you can select whether you want the IP to have a **Dynamic IP** or **Static IP** address. If you select Dynamic IP, the options below will not be available.

IP Address: Enter the Static IP address that you want to assign to the extended network. This address should be outside of the uplink router's DHCP address pool.

Subnet Mask: Enter the subnet mask.

Gateway Address: Enter the gateway address. This is usually the IP address of the uplink router.

Primary DNS Server: Enter the address of the primary DNS server.

Secondary DNS Server: Enter the address of the secondary DNS server. This is optional but will provide backup if the primary server fails.

IPv4 Device Management Interface

Choose a IPv4 provisioning mechanism to be used by the AP.

My LAN Connection is: ▼

IP Address:

Subnet Mask:

Gateway Address:

Primary DNS Server:

Secondary DNS Server:

Autoconfiguration (SLAAC/DHCPv6)

IPv6 Device Management Interface

My IPv6 Connection is: Select **Autoconfiguration (SLAAC/DHCPv6)** to have the DAP-1860 automatically receive an IPv6 address from the uplink router.

Obtain IPv6 DNS Servers Automatically: You can select to obtain IPv6 DNS server information automatically, or you can select to configure DNS servers manually by clicking on the radio dial next to the option.

Primary DNS Server: For manual settings, enter the primary IPv6 DNS server address.

Secondary DNS Server: For manual settings, enter the secondary IPv6 DNS server address. This is optional but will provide backup if the primary server fails.

The screenshot shows the 'IPv6 Device Management Interface' configuration page. At the top, it says 'Choose a IPv6 provisioning mechanism to be used by the AP.' Below this, there is a dropdown menu labeled 'My IPv6 Connection is:' with 'Autoconfiguration (SLAAC/DHCPv6)' selected. Underneath, it says 'Obtain a DNS server address automatically or enter a specific DNS server address.' There are two radio button options: 'Obtain IPv6 DNS Servers automatically' (which is unselected) and 'Use the following IPv6 DNS Servers' (which is selected). At the bottom, there are two input fields: 'Primary DNS Server:' and 'Secondary DNS Server:'.

Static IPv6

IPv6 Device Management Interface

My IPv6 Connection is: Select **Static IPv6** to manually assign an IP address to the DAP-1860.

IPv6 Address: Enter the IPv6 address that you want to assign to the extended network. This address should be outside of the uplink router's DHCP address pool.

Subnet Prefix Length: Enter the length of the IPv6 subnet prefix.

Default Gateway: Enter the default gateway.

Primary DNS Server: Enter the primary IPv6 DNS server address.

Secondary DNS Server: Enter the secondary IPv6 DNS server address. This is optional but will provide backup if the primary server fails.

The screenshot shows the 'IPv6 Device Management Interface' configuration page. At the top, it says 'Choose a IPv6 provisioning mechanism to be used by the AP.' Below this, there is a dropdown menu labeled 'My IPv6 Connection is:' with 'Static IPv6' selected. Underneath, it says 'Enter the IPv6 address information that you would like to use to access the Web-based management interface.' There are five input fields: 'IPv6 Address:', 'Subnet Prefix Length:', 'Default Gateway:', 'Primary DNS Server:', and 'Secondary DNS Server:'.

Link-local Only

IPv6 Device Management Interface

My IPv6 Connection is: Select **Link-local only** to only set an IPv6 address for the local network.

LAN IPv6 Link-Local Address: This will show link-local address of the DAP-1860.

IPv6 Device Management Interface

Choose a IPv6 provisioning mechanism to be used by the AP.

My IPv6 Connection is:

The LAN IPv6 Link-Local Address is the IPv6 Address that you use to access the Web-based management interface.

LAN IPv6 Link-Local Address: FE80::CABE:19FF:FEE5:1411/64

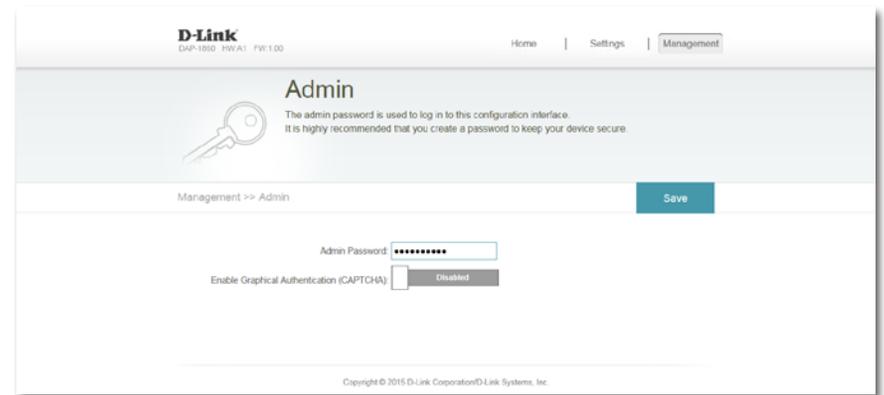
Management Admin

This page will allow you to set a new password for the administrator account used to configure the DAP-1860. You can also enable graphical authentication (CAPTCHA) on this page. To access this page, click the **Management** drop down menu at the top of the page, and select **Admin**. Click **Save** at any time to save the changes you have made on this page.

Admin Password: Enter the Admin password.

Enable Graphical Authentication: Click on the slider to enable graphical authentication, or CAPTCHA. This provides an extra layer of security by requiring you to enter a code that is displayed on-screen. This can help prevent unauthorized users from gaining access to your wireless network using automated methods.

Note: The device will reboot after saving the changes in order for the password to take effect.



System

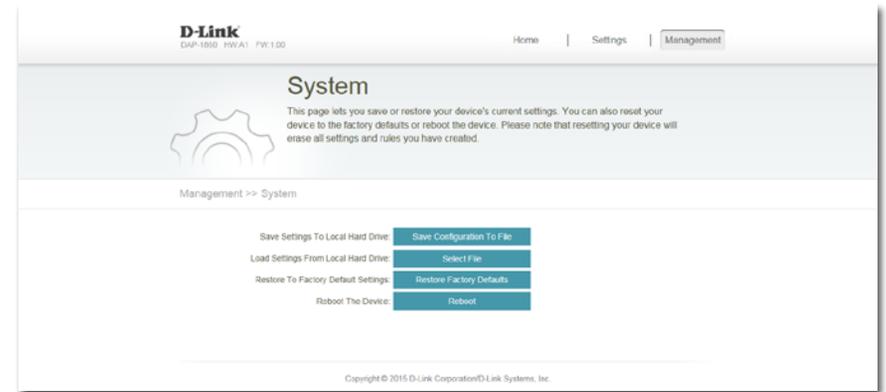
This page allows you to save or restore your system configuration, reset, or reboot the DAP-1860. To access this page, click the **Management** drop down menu at the top of the page, and select **System**. Click **Save** at any time to save the changes you have made on this page.

Save Settings To Local Hard Drive: Save the system settings to a file to the local hard drive. You will then see a file dialog where you can select a location and enter a file name for the configuration file.

Load Settings From Local Hard Drive: Load the system settings from a previously saved file on the local hard drive.

Restore to Factory Default Settings: Restore the system settings to factory default settings. This will erase all currently stored settings.

Reboot the Device: Click **Reboot** to reboot the DAP-1860.



Upgrade

Firmware and language upgrades may be provided for the DAP-1860 in the future. You can check and upgrade your firmware and language pack on this page. To access this page, click the **Management** drop down menu at the top of the page, and select **Upgrade**. Click **Save** at any time to save the changes you have made on this page.

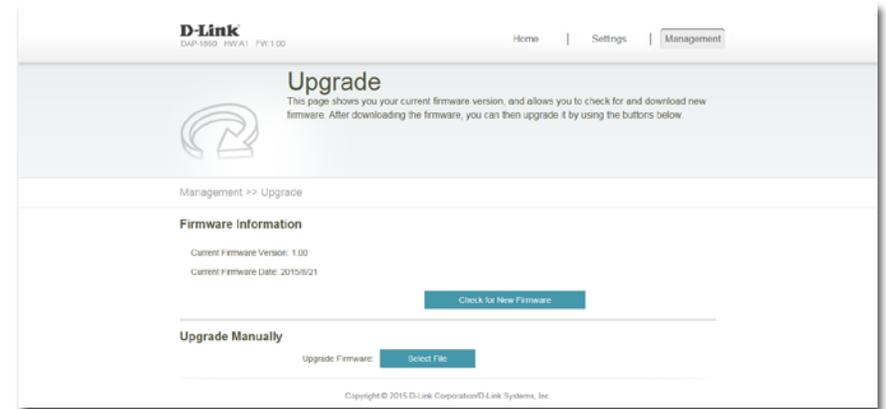
Firmware Information

Firmware Information: This section displays the currently installed firmware version, as well as the date on which the current firmware version was released.

Click **Check For New Firmware** to find out if there is new or updated firmware. If there is, you can download it to your computer.

Upgrade Manually

Upgrade Firmware: Click **Select File** to locate the firmware file on your computer and perform a manual firmware upgrade.



Statistics

This page displays details about your wireless and network connections. To access this page, click the **Management** drop-down menu at the top of the page, and select **Statistics**. Click **Clear** to reset the statistics.

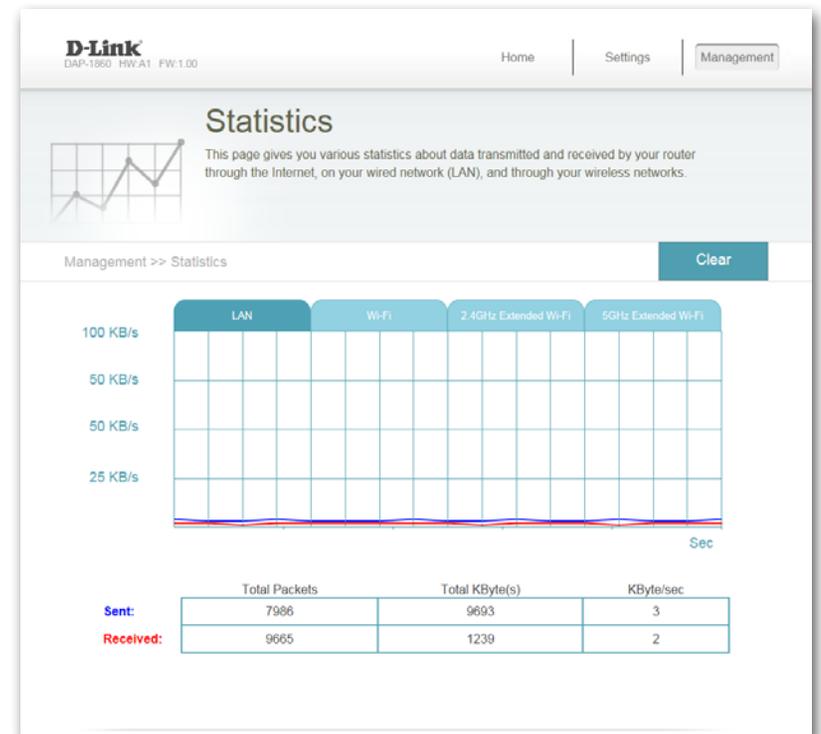
Statistics Tabs

Click on the each tab to see traffic information about each of the DAP-1860's interfaces.

The Blue line indicates the upload speeds and the red line indicates the download speeds.

The table displays the following in real-time:

- Total Packets
- Total Byte(s)
- Total Kbit(s)
- Kbits/sec



Connecting Wireless Clients to the Extended Network

Using the WPS Button

Once an uplink network has been established, you may use the DAP-1860's WPS function to add additional wireless clients to your extended network. Many wireless devices such as wireless routers, media players, printers, and cameras will have a WPS button (or a software utility with WPS) that you can press to connect to the DAP-1860. Please refer to the user manual for the wireless device you want to connect to make sure you understand how to enable WPS, then follow the steps below:

- Step 1:** Press the WPS button on the DAP-1860 for about 1 second. The LED on the device will start to blink. You can also use the WPS option in the setup wizard section of the web interface.
- Step 2:** Within 120 seconds, press the WPS button on your wireless device.
- Step 3:** Once the LED light stops blinking and turns solid green, you will be connected and your wireless connection will be secured with WPA2.



Connecting to a Wireless Network

Windows® 10

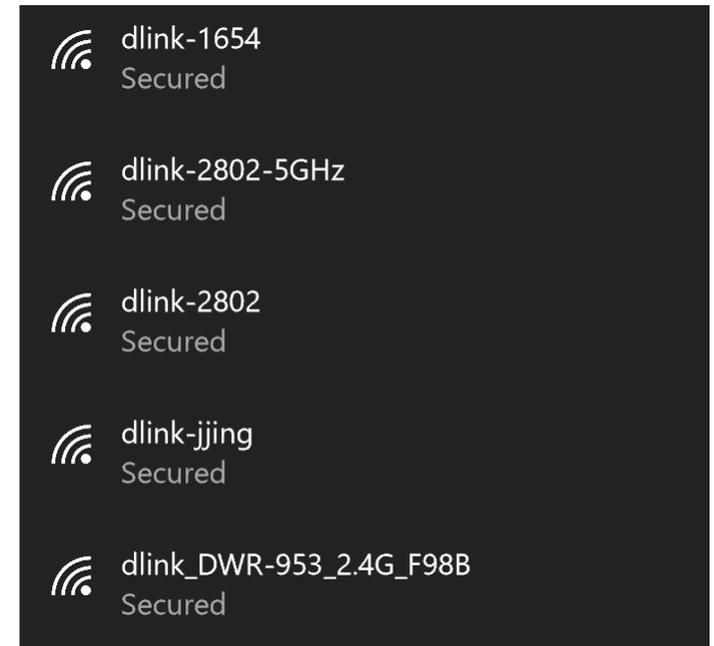
To connect to a wireless network using Windows 10, you will need to know the wireless network name (SSID) and Wi-Fi password (security key) of the device you are connecting to.

To join an existing network, locate the wireless network icon in the taskbar, next to the time display and click on it.



Wireless Icon

Clicking on this icon will display a list of wireless networks which are within range of your computer. Select the desired network by clicking on its SSID.



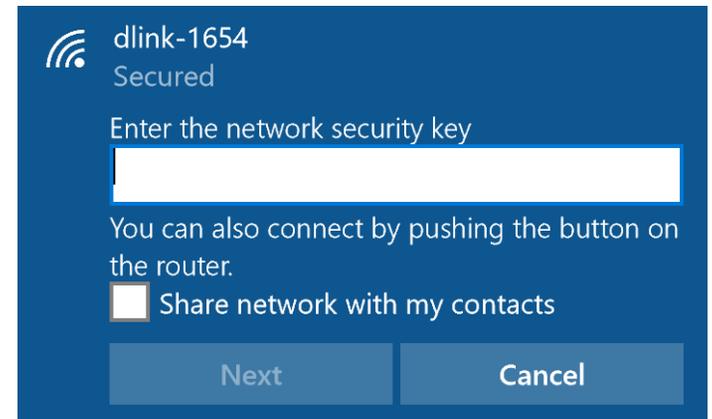
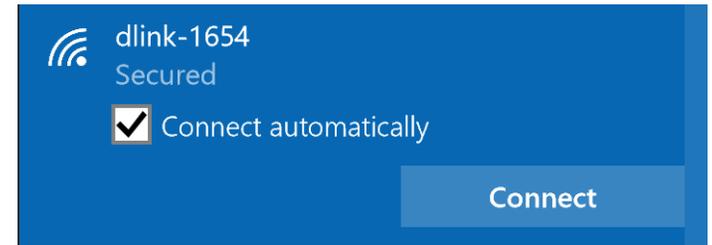
To connect to the network, click **Connect**.

To automatically connect when your device is in range, click the **Connect Automatically** check box. Your computer will now automatically connect to this wireless network whenever it is detected.

You will then be prompted to enter the Wi-Fi password (network security key) for the wireless network. Enter the password into the box and click **Next** to connect to the network.

You can also use Wi-Fi Protected Setup (WPS) to connect to the wireless network. Press the WPS button on your device and you will be automatically connected.

It may take 20-30 seconds to connect to the wireless network. If the connection fails, please verify that the security settings are correct. The key or passphrase must be exactly the same as the one on the wireless router.



Windows® 8

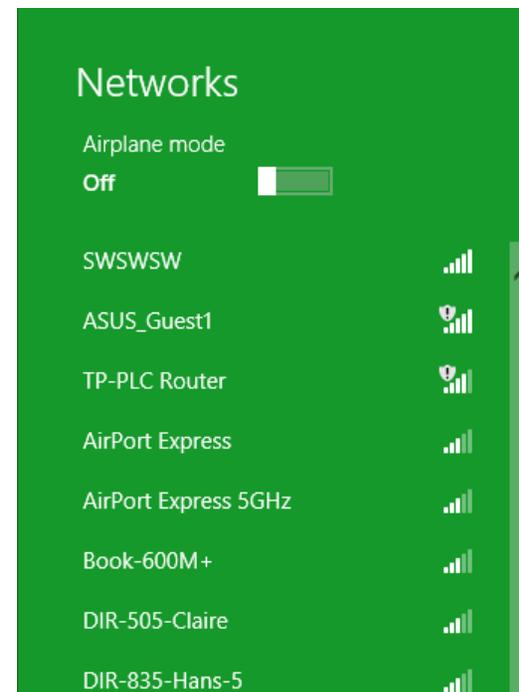
WPA/WPA2

It is recommended to enable wireless security (WPA/WPA2) on your wireless router or extender before configuring your wireless adapter. If you are joining an existing network, you will need to know the security key (Wi-Fi password) being used.

To join an existing network, locate the wireless network icon in the taskbar, next to the time display.

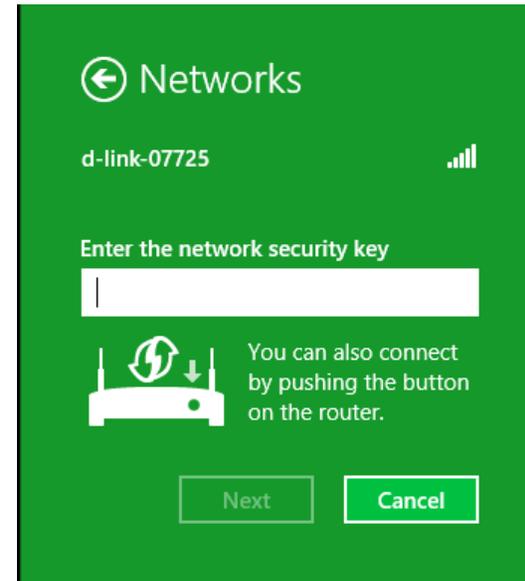


Clicking on this icon will display a list of wireless networks which are within connecting proximity of your computer. Select the desired network by clicking on the network name.

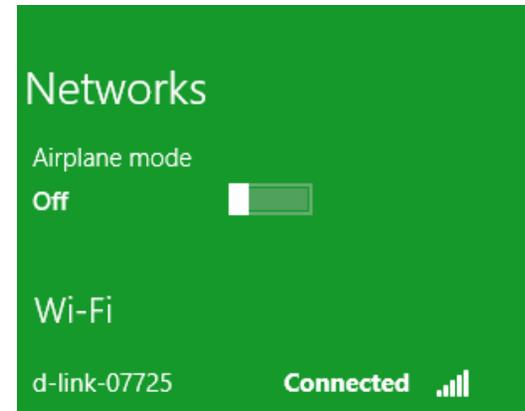


You will then be prompted to enter the network security key (Wi-Fi password) for the wireless network. Enter the password into the box and click **Next**.

If you wish to use Wi-Fi Protected Setup (WPS) to connect to the router, you can also press the WPS button on your router at this point to enable the WPS function.



When you have established a successful connection with a wireless network, the word **Connected** will appear next to the name of the network to which you are connected.



Windows® 7

WPA/WPA2

It is recommended to enable wireless security (WPA/WPA2) on your wireless router or extender before configuring your wireless adapter. If you are joining an existing network, you will need to know the security key or passphrase being used.

1. Click on the wireless icon in your system tray (lower-right corner).



Wireless Icon

2. The utility will display any available wireless networks in your area.

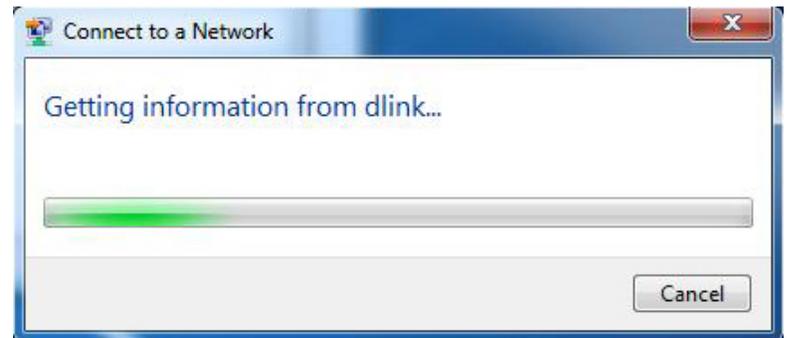


3. Highlight the wireless network (SSID) you would like to connect to and click the **Connect** button.

If you get a good signal but cannot access the Internet, check your TCP/IP settings for your wireless adapter. Refer to the Wireless Basics section in this manual for more information.



4. The following window appears while your computer tries to connect to the router.



5. Enter the same security key or passphrase that is on your router and click **Connect**.

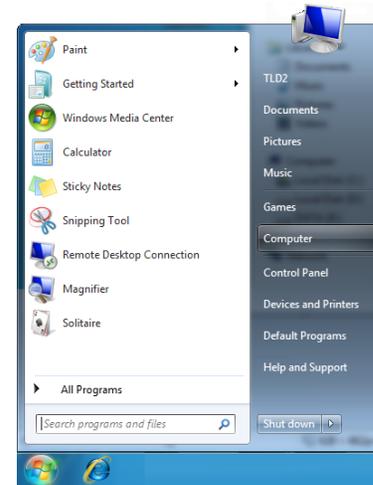
It may take 20-30 seconds to connect to the wireless network. If the connection fails, please verify that the security settings are correct. The key or passphrase must be exactly the same as on the wireless router.



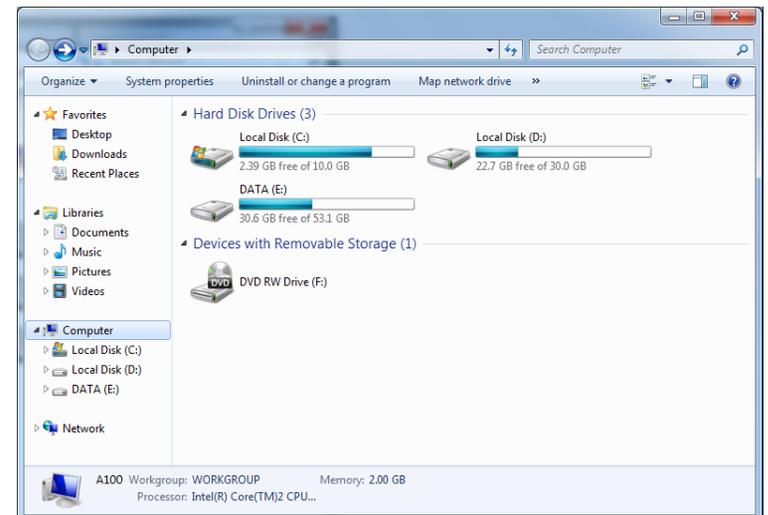
WPS

The WPS feature of the DAP-1860 can be configured using Windows® 7. Carry out the following steps to use Windows® 7 to configure the WPS feature:

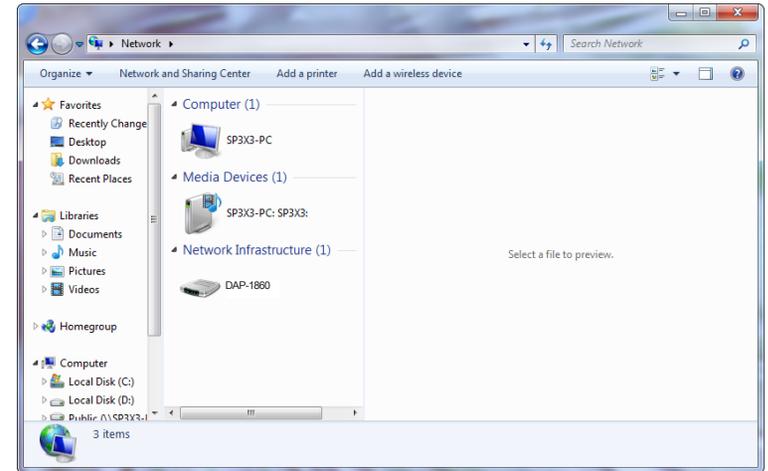
1. Click the **Start** button and select **Computer** from the Start menu.



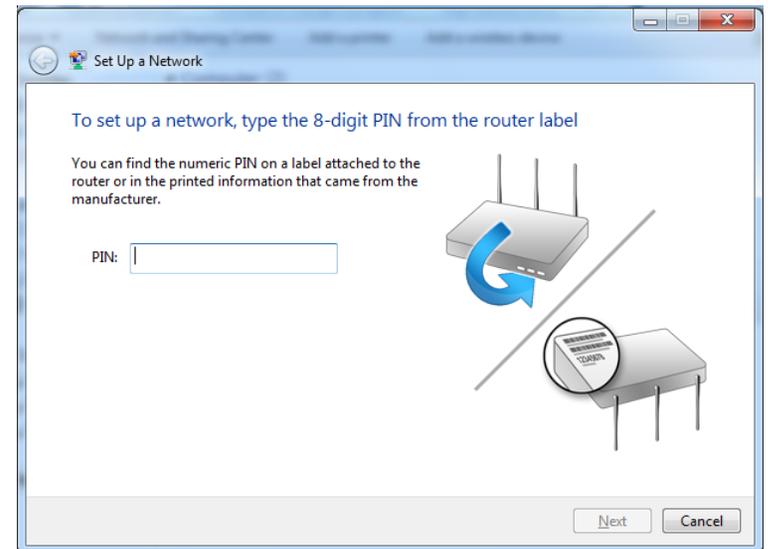
2. Click **Network** on the left side.



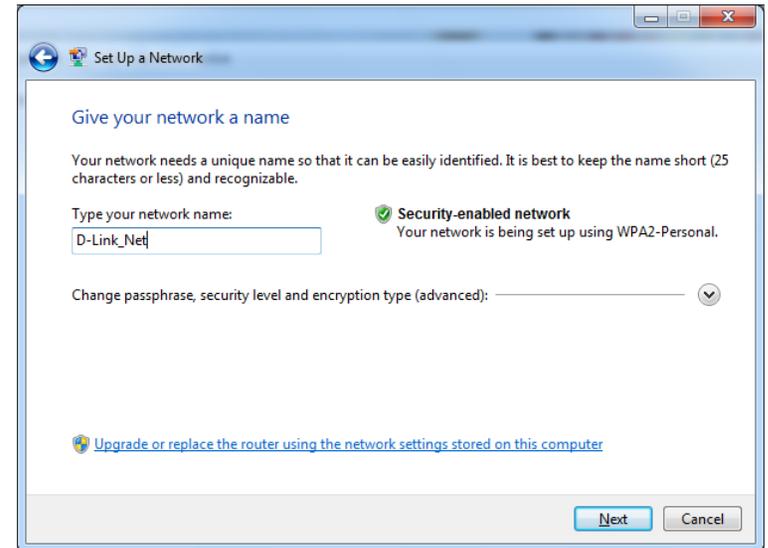
3. Double-click the DAP-1860.



4. Input the WPS PIN number (on the router label) in the **Setup > Wireless Setup** menu in the Router's Web UI) and click **Next**.

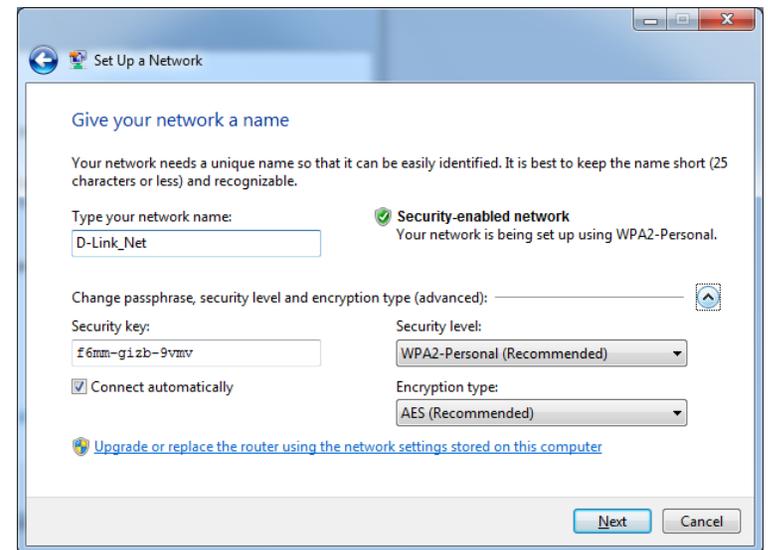


5. Type a name to identify the network.



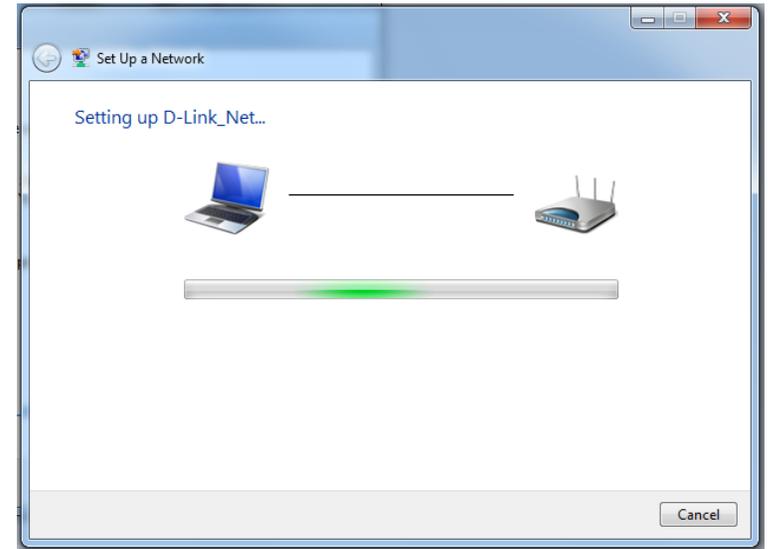
6. To configure advanced settings, click the  icon.

Click **Next** to continue.



7. The following window appears while the Router is being configured.

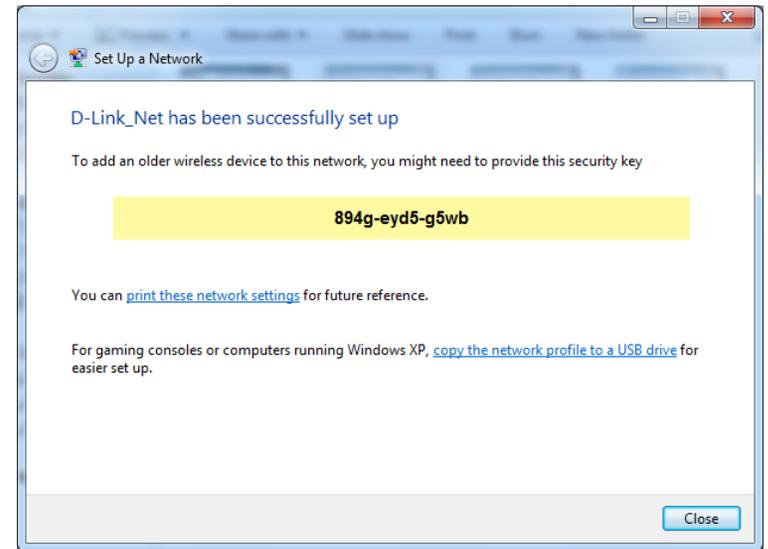
Wait for the configuration to complete.



8. The following window informs you that WPS on the router has been set up successfully.

Make a note of the security key as you may need to provide this security key if adding an older wireless device to the network in the future.

9. Click **Close** to complete WPS setup.



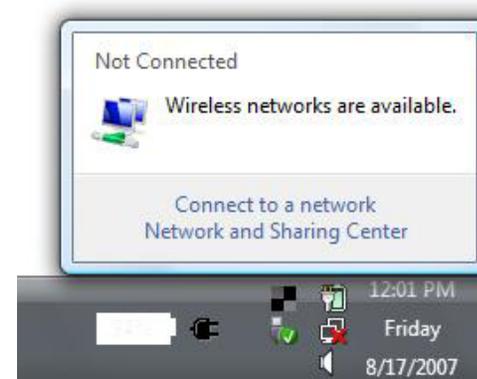
Windows Vista®

Windows Vista® users may use the built-in wireless utility. If you are using another company's utility or Windows® 2000, please refer to the user manual of your wireless adapter for help with connecting to a wireless network. Most utilities will have a "site survey" option similar to the Windows Vista® utility as seen below.

If you receive the "Wireless Networks Are Available" bubble, click on the center of the bubble to access the utility.

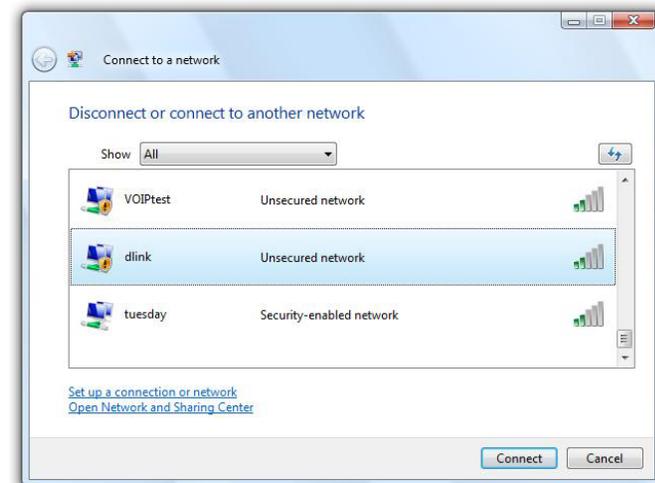
or

Right-click on the wireless computer icon in your system tray (lower-right corner next to the time). Select **Connect to a network**.



The utility will display any available wireless networks in your area. Click on a network (displayed using the SSID) and click **Connect**.

If you get a good signal but cannot access the Internet, check the TCP/IP settings for your wireless adapter. Refer to Troubleshooting on page 61 for more information.



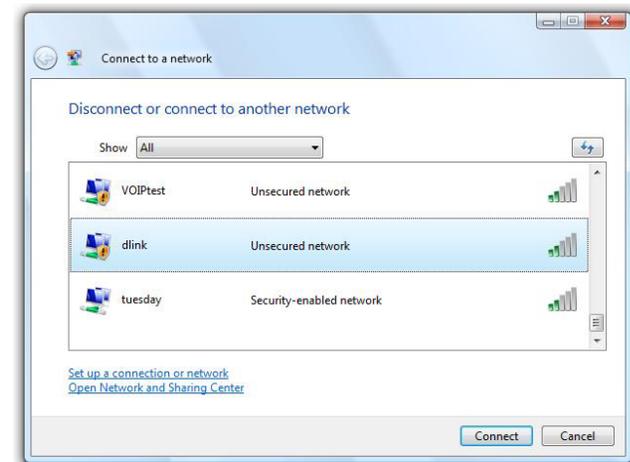
WPA/WPA2

It is recommended to enable wireless security (WPA/WPA2) on your wireless router or extender before configuring your wireless adapter. If you are joining an existing network, you will need to know the security key or passphrase being used.

1. Open the Windows Vista® Wireless Utility by right-clicking on the wireless computer icon in your system tray (lower right corner of screen). Select **Connect to a network**.

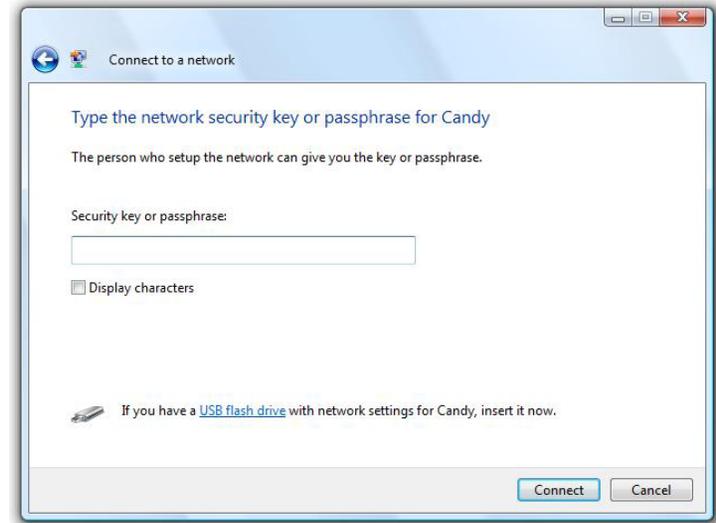


2. Highlight the wireless network (SSID) you would like to connect to and click **Connect**.



3. Enter the same security key or passphrase that is on your router and click **Connect**.

It may take 20-30 seconds to connect to the wireless network. If the connection fails, please verify that the security settings are correct. The key or passphrase must be exactly the same as on the wireless router.



Troubleshooting

This chapter provides solutions to problems that can occur during the installation and operation of the DAP-1860. Read the following descriptions if you are having problems. The examples below are illustrated in Windows® XP. If you have a different operating system, the screenshots on your computer will look similar to the following examples.

1. Why can't I access the web-based configuration utility?

When entering the IP address of the AC2600 Wi-Fi Range Extender (dlinkap.local for example), you are not connecting to a website nor do you have to be connected to the Internet. The device has the utility built-in to a ROM chip in the device itself. Your computer must be on the same IP subnet to connect to the web-based utility.

- Make sure you have an updated Java-enabled web browser. We recommend the following:
 - Internet Explorer 10 or later
 - Firefox 20.0 or later
 - Safari 6 or later
 - Google Chrome 28.0 or later
- Make sure that you are connected to the same wireless network which is listed on the back of the DAP-1860. If you have an active wired LAN Ethernet connection, try temporarily unplugging the Ethernet cable from the computer you are using, as this may eliminate possible conflicts from having two simultaneous connections on the same computer.
- Disable any Internet security software running on the computer. Software firewalls such as ZoneAlarm, BlackICE, Sygate, Norton Personal Firewall, and Windows® XP firewall may block access to the configuration pages. Check the help files included with your firewall software for more information on disabling or configuring it.

- Configure your Internet settings:
 - Go to **Start > Settings > Control Panel**. Double-click the **Internet Options** icon. From the **Security** tab, click the button to restore the settings to their defaults.
 - Click the **Connection** tab and set the dial-up option to Never Dial a Connection. Click the LAN Settings button. Make sure nothing is checked. Click **OK**.
 - Go to the **Advanced** tab and click the button to restore these settings to their defaults. Click **OK** three times.
 - Close your web browser (if open) and open it.
- Access the web management interface. Open your web browser and enter the address of your extender (**http://dlinkap.local**) in the address bar. This should open the login page for your web management. If the DAP-1860 is not connected to an uplink router, you can try accessing the web interface using the default IP address **http://192.168.0.50**.
- If you still cannot access the configuration, unplug the extender from the power outlet for at least 10 seconds and plug it back in. Wait about 30 seconds and try accessing the configuration. If you have multiple computers, try connecting using a different computer.

2. What can I do if I forgot my password?

If you forgot your password, you must reset your extender. Unfortunately this process will change all your settings back to the factory defaults.

To reset the extender, locate the reset button (hole) on the underside panel of the unit. With the extender powered on, use a paperclip to hold the button down for 10 seconds. Release the button and the extender will go through its reboot process (indicated by the LED turning red). Wait about 30 seconds to access the extender. The default IP address is **http://dlinkap.local**. When logging in, the username is **admin** and leave the password box empty.

Wireless Basics

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

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

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

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

Tips

Here are a few things to keep in mind when you are installing your AC2600 Wi-Fi Range Extender.

Centralize the extender's location

For best performance, make sure you place the extender in a centralized location within your desired usage area. Try to place the extender so that there are minimal obstructions between it and the uplink router. If possible, use an elevated power outlet, so the signal can be dispersed more easily. If you have a large home or usage area, you may need several extenders in order to achieve optimal coverage.

Eliminate Interference

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

Security

Don't let your neighbors or intruders connect to your wireless network. Secure your wireless network by utilizing the WPA or WEP security feature on the extender and uplink router. Refer to the relevant sections of this manual for further details.

Networking Basics

Check your IP address

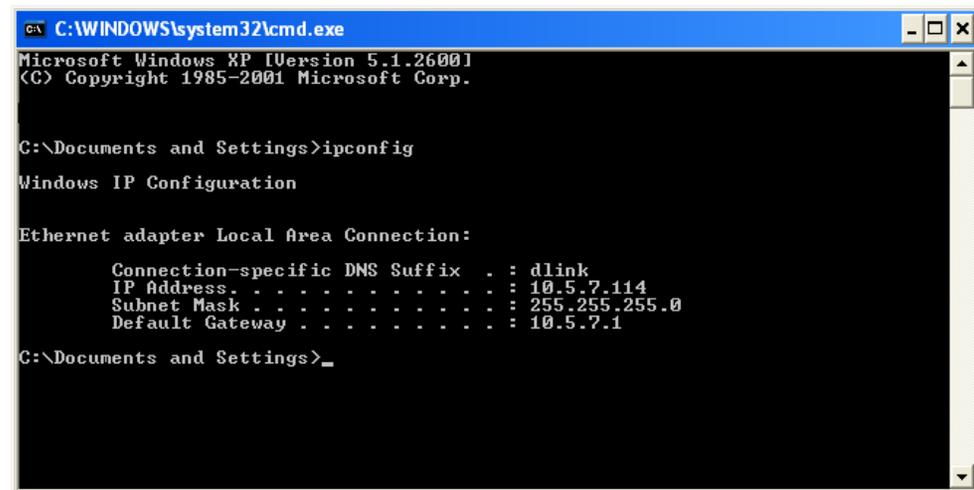
After you install your new D-Link adapter, by default, the TCP/IP settings should be set to obtain an IP address from a DHCP server (i.e. wireless router) automatically. To verify your IP address, please follow the steps below.

Click on **Start > Run**. In the run box type **cmd** and click **OK**. (Windows® 7/Vista® users type *cmd* in the **Start Search** box.)

At the prompt, type **ipconfig** and press **Enter**.

This will display the IP address, subnet mask, and the default gateway of your adapter.

If the address is 0.0.0.0, check your adapter installation, security settings, and the settings on your router. Some firewall software programs may block a DHCP request on newly installed adapters.



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings>ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : dlink
    IP Address . . . . . : 10.5.7.114
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 10.5.7.1

C:\Documents and Settings>_
```

Statically Assign an IP address

If you are not using a DHCP capable gateway/router, or you need to assign a static IP address, please follow the steps below:

Step 1

- Windows® 7 - Click on **Start > Control Panel > Network and Internet > Network and Sharing Center**.
- Windows Vista® - Click on **Start > Control Panel > Network and Internet > Network and Sharing Center > Manage Network Connections**.
- Windows® XP - Click on **Start > Control Panel > Network Connections**.
- Windows® 2000 - From the desktop, right-click **My Network Places > Properties**.

Step 2

Right-click on the **Local Area Connection** which represents your network adapter and select **Properties**.

Step 3

Highlight **Internet Protocol (TCP/IP)** and click **Properties**.

Step 4

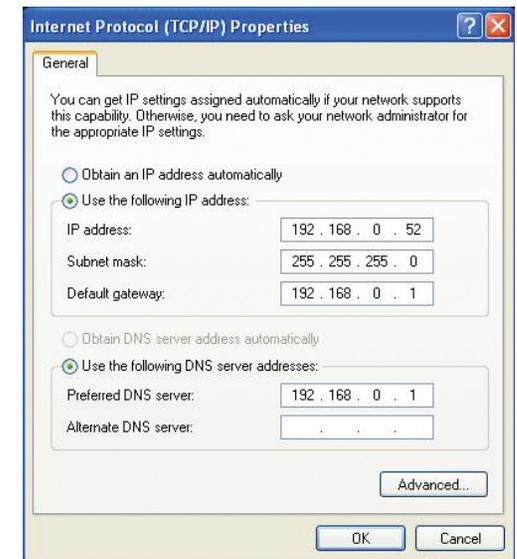
Click **Use the following IP address** and enter an IP address that is on the same subnet as your network or the LAN IP address on your router.

Example: If the router's LAN IP address is 192.168.0.1, make your IP address 192.168.0.X where X is a number between 2 and 99. Make sure that the number you choose is not in use on the network. Set the Default Gateway the same as the LAN IP address of your router (I.E. 192.168.0.1).

Set Primary DNS the same as the LAN IP address of your router (192.168.0.1). The Secondary DNS is not needed or you may enter a DNS server from your ISP.

Step 5

Click **OK** twice to save your settings.



Wireless Security

This section will show you the different levels of security you can use to protect your data from intruders. The DAP-1860 offers the following types of security:

- WPA2 (Wi-Fi Protected Access 2)
- WPA (Wi-Fi Protected Access)
- WPA2-PSK (Pre-Shared Key)
- WPA-PSK (Pre-Shared Key)

What is WPA?

WPA (Wi-Fi Protected Access), is a Wi-Fi standard that was designed to improve the security features of WEP (Wired Equivalent Privacy).

The 2 major improvements over WEP:

- Improved data encryption through the Temporal Key Integrity Protocol (TKIP). TKIP scrambles the keys using a hashing algorithm and by adding an integrity-checking feature, ensures that the keys haven't been tampered with. WPA2 is based on 802.11i and uses Advanced Encryption Standard (AES) instead of TKIP.
-
- User authentication, which is generally missing in WEP, through the extensible authentication protocol (EAP). WEP regulates access to a wireless network based on a computer's hardware-specific MAC address, which is relatively simple to be sniffed out and stolen. EAP is built on a more secure public-key encryption system to ensure that only authorized network users can access the network.
-
-

WPA-PSK/WPA2-PSK uses a passphrase or key to authenticate your wireless connection. The key is an alpha-numeric password between 8 and 63 characters long. The password can include symbols (!?*&_) and spaces. This key must be the exact same key entered on your wireless router or access point.

WPA/WPA2 incorporates user authentication through the Extensible Authentication Protocol (EAP). EAP is built on a more secure public key encryption system to ensure that only authorized network users can access the network.

Technical Specifications

Standards

- IEEE 802.11ac
- IEEE 802.11a
- IEEE 802.11n
- IEEE 802.11g
- IEEE 802.11b

Wireless Frequency Range ¹

- 2.4 GHz to 2.4835 GHz
- 5.18 GHz to 5.85 GHz USA
- 5.15 GHz to 5.175 GHz European Countries

Device Interfaces

- 802.11ac/n/g/b/a Wireless LAN
- 10/100/1000 Gigabit Ethernet Port
- Reset Button
- WPS Button
- Status/WPS LED
- 3 Segment Wi-Fi Smart Signal LED

Antenna

- Four External Antennas

Security

- Wi-Fi Protected Access (WPA/WPA2)
- Wi-Fi Protected Setup (WPS)
- Wired Equivalent Privacy (WEP) 64/128-bit

Advanced Features

- QRS Mobile setup app for iOS and Android devices

Device Management

- Web UI

Operating Temperature

- 0 to 40 °C (32 to 104 °F)

Storage Temperature

- Storage: -20 to 65 °C (-4 to 149 °F)

Operating Humidity

- 10% to 90% non-condensing

Storage Humidity

- 5% to 95% non-condensing

Power Input

- AC 100-240 V

Maximum Power Consumption

- 11.54 W

Certifications

- FCC
- ISED
- CE
- C-Tick
- RoHS
- CB
- LVD
- WPS Setup
- Wi-Fi Certified

Dimensions

- 158.5 x 69.8 x 51 mm (6.24 x 2.75 x 2.01 inches)

Weight

- 380 grams

¹ Frequency range varies depending on local regulations

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17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

Regulatory Statements

Federal Communication Commission Interference Statement

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

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

Non-modifications Statement:

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

Caution:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

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

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter except in accordance with FCC multi-transmitter product procedures. For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

Note

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

RF Frequency Requirements

This device is for indoor use only when using all channels in the 5.150 GHz-5.250 GHz, 5.250 GHz-5.350 GHz, 5.470 GHz-5.725 GHz, and 5.725 GHz-5.850 GHz frequency range. High power radars are allocated as primary users of the 5.150 GHz-5.250 GHz, 5.250 GHz-5.350 GHz, 5.470 GHz-5.725 GHz, and 5.725 GHz-5.850 GHz bands. These radar stations can cause interference with and/or damage this device. This device will not operate on channels which overlap the 5600-5650 MHz band.

It is restricted to indoor environments only.

IMPORTANT NOTICE:

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 30 cm between the radiator and your body.

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Antenna Gain (dBi)	
					2.4G	5G
1	Whayu	C529-510583-A	External antenna, non-detachable	lpex	2	3
2	Whayu	C529-510584-A	External antenna, non-detachable	lpex	2	3
3	Whayu	C529-510586-A	External antenna, non-detachable	lpex	2	3
4	Whayu	C529-510585-A	External antenna, non-detachable	lpex	2	3

Industry Canada Statement:

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

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

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

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

Radiation Exposure Statement

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 30 cm between the radiator and your body.

Déclaration d'exposition aux radiations

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 30 cm de distance entre la source de rayonnement et votre corps.

Caution :

- (i) the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- (ii) the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate; and
- (iii) Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Avertissement:

- (i) les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;
- (ii) le gain maximal d'antenne permis (pour les dispositifs utilisant la bande de 5725 à 5 850 MHz) doit être conforme à la limite de la p.i.r.e. spécifiée pour l'exploitation point à point et l'exploitation non point à point, selon le cas;
- (iii) De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

NCC 警語：

以下警語適用台灣地區

經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

本模組於取得認證後將依規定於模組本體標示審驗合格標籤系統廠商應於平台上標示「本產品內含射頻模組：

「<CCAFXXLPXXXXTX>」字樣

無線傳輸設備 (UNII)

在 5.25-5.35 赫赫頻帶內操作之無線資訊傳輸設備，限於室內使用。無線資訊傳輸設備忍受合法通信之干擾且不得干擾合法通信；如造成干擾，應立即停用，俟無干擾之虞，始得繼續使用。無線資訊傳設備的製造廠商應確保頻率穩定性，如依製造廠商使用手冊上所述正常操作，發射的信號應維持於操作頻帶中。

電磁波曝露量MPE標準值(MPE) 1 mW/cm^2 ，送測產品實值為 $\text{<mW/cm}^2\text{> mW/cm}^2$

European Union:

This device complies with the essential requirements of the R&TTE Directive 1999/5/EC. For more information, please refer to the Declaration of Conformity.

Notice of Wireless Radio LAN Usage in The European Community:

- At the time of writing this addendum, some countries such as Italy, Greece, Portugal, and Spain have not allowed operation of radio devices in the 5 GHz bands, although operation of 2.4 GHz radio devices is allowed. Please check with your local authority to confirm.
- This device is restricted to indoor use when operated in the European Community using channels in the 5.15-5.35 GHz band to reduce the potential for interference.
- This device is a 2.4 GHz wideband transmission system (transceiver), intended for use in all EU member states and EFTA countries, except in France where restrictive use applies.
- This device may not be used for setting up outdoor radio links in France and in some areas the RF output power may be limited to 10 mW EIRP in the frequency range of 2454 –2483.5 MHz. For detailed information the end-user should contact the national spectrum authority in France.

This equipment may be operated in AL, AD, BE, BG, DK, DE, FI, FR, GR, GW, IS, IT, HR, LI, LU, MT, MK, MD, MC, NL, NO, AT, OL, PT, RO, SM, SE, RS, SK, ES, CI, HU, CY

Usage Notes:

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

2.4 GHz Wireless Frequency and Channel Operation in EEC Countries:

Region	Frequency Band	Max output power (EIRP)
Metropolitan	2400 - 2454 MHz	100 mW
Guadeloupe, Martinique, St Pierre et Miquelon, Mayotte	2454 - 2483.5 MHz	100 mW indoor, 10 mW outdoor
Reunion et Guyane	2400 - 2483.5 MHz	100 mW
Rest of EU community	2420 - 2483.5 MHz	100 mW

R&TTE 1999/5/EC			
WLAN 2.4 - 2.4835 GHz			
IEEE 802.11b/g/n			
Spectrum Regulation	MHz, Europa (ETSI)	max. EIRP Innenbereich	max. EIRP Außenbereich
Europa	2400 - 2483.5 MHz	100 mW	100 mW
Frankreich	2400 - 2454 MHz	100 mW	100 mW
	2454 - 2483.5 MHz	100 mW	10 mW

5 GHz Wireless Frequency and Channel Operation in EEC Countries:	
Allowable 802.11a Frequencies and Channels	Countries
5.15-5.25 GHz (Channels 36, 40, 44, 48)	Liechtenstein
5.15-5.25 GHz & 5.725-5.875 GHz (Channels 36, 40, 44, 48, 149, 153, 157, 161, 165, 169)	Austria
5.15-5.35 GHz (Channels 36, 40, 44, 48, 52, 56, 60, 64)	France
5.15-5.35 & 5.47-5.725 GHz (Channels 36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140)	Denmark, Germany, Iceland, Finland, Netherlands, Norway, Poland, Sweden, Slovenia, Luxembourg, U.K., Ireland, Slovak, Switzerland, Hungary, Italy
5.15-5.35 GHz & 5.725-5.875 GHz (Channels 36, 40, 44, 48, 52, 56, 60, 64, 149, 153, 157, 161, 165, 169)	Czech Republic

European Community Declaration of Conformity:

Česky [Czech]	D-Link tímto prohlašuje, že tento DAP-1860 je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Dansk [Danish]	Undertegnede D-Link erklærer herved, at følgende udstyr DAP-1860 overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Deutsch [German]	Hiermit erkläre D-Link, dass sich das Gerät DAP-1860 in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
Eesti [Estonian]	Käesolevaga kinnitab D-Link seadme DAP-1860 vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
English	D-Link hereby, declares that this DAP-1860 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Español [Spanish]	Por medio de la presente D-Link declara que el DAP-1860 cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
Ελληνική [Greek]	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ D-Link ΔΗΛΩΝΕΙ ΟΤΙ DAP-1860 ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
Français [French]	Par la présente D-Link déclare que l'appareil DAP-1860 est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
Italiano [Italian]	Con la presente D-Link dichiara che questo DAP-1860 è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Latviski [Latvian]	Ar šo D-Link deklarē, ka DAP-1860 atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Lietuvių [Lithuanian]	Šiuo D-Link deklaruoja, kad šis DAP-1860 atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Nederlands [Dutch]	Hierbij verklaart D-Link dat het toestel DAP-1860 in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
Malti [Maltese]	Hawnhekk, D-Link, jiddikjara li dan DAP-1860 jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn rilevanti li hemm fid-Dirrettiva 1999/5/EC.
Magyar [Hungarian]	Alulírott, D-Link nyilatkozom, hogy a DAP-1860 megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.

Polski [Polish]	Niniejszym D-Link oświadcza, że DAP-1860 jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
Português [Portuguese]	D-Link declara que este DAP-1860 está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Slovensko [Slovenian]	D-Link izjavlja, da je ta DAP-1860 v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Slovensky [Slovak]	D-Link týmto vyhlasuje, že DAP-1860 spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
Suomi [Finnish]	D-Link vakuuttaa täten että DAP-1860 tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

Warning Statement:

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



Disposing of and Recycling Your Product

ENGLISH

EN



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

D-Link and the Environment

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

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

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

DEUTSCH

DE



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

FRANÇAIS**FR**

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

D-Link et l'environnement

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

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

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

ESPAÑOL**ES**

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

D-Link y el medio ambiente

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

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

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

ITALIANO**IT**

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

D-Link e l'ambiente

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

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

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

NEDERLANDS**NL**

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

D-Link en het milieu

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

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

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

POLSKI**PL**

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

D-Link i środowisko

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

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

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

ČESKY**CZ**

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

D-Link a životní prostředí

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

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

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

MAGYAR**HU**

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

A D-Link és a környezet

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

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

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

NORSK**NO**

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

D-Link og miljøet

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

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

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

DANSK**DK**

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

D-Link og miljøet

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

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

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

SUOMI**FI**

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

D-Link ja ympäristö

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

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

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

SVENSKA**SE**

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

D-Link och miljön

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

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

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

PORTUGUÊS**PT**

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

A D-Link e o ambiente

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

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

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