

# USER MANUAL

DAP-1360

VERSION 1.0



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## Package Contents

Your DAP-1360 package should contain the following items. If any of the items are missing, please contact your reseller.

- D-Link DAP-1360 Wireless N Access Point
- Power Supply
- Manual on CD
- Quick Installation Guide
- Ethernet Cable

**WARNING:** Using a power supply with a different voltage rating than the one included with the DAP-1360 will cause damage and void the warranty for this product.



## System Requirements

To configure this device, you will need the following:

- A computer equipped with an Ethernet interface and operating under Windows Vista, XP or 2000, Mac OS 10.X or above, or Linux
- Internet Explorer or Netscape Navigator version 6.0 or above, with JavaScript enabled



## Introduction

D-Link, an industry leader in networking, introduces the new D-Link Wireless N Access Point(DAP-1360). With the ability to transfer files with a maximum wireless signal rate of up to 300Mbps<sup>1</sup>, the DAP-1360 gives you high-speed wireless network access for your home or office.

The DAP-1360 is Wi-Fi IEEE 802.11n compliant, meaning that it can connect and interoperate with other 802.11n compatible wireless client devices. The DAP-1360 is also backwards compatible with 802.11b/g. It can be flexibly configured to operate in 7 different modes Access Point, Wireless Client, Bridge, Bridge with AP, Repeater, WISP Client Router or WISP Repeater. With its Setup Wizard, the DAP-1360 Access Point ensures that you will be up and running on a wireless network in just a matter of minutes.

The DAP-1360 Access Point features Wi-Fi Protected Access (WPA-PSK/WPA2-PSK) and 64/128-bit WEP Encryption to provide an enhanced level of security for wireless data communications. The DAP-1360 also includes additional security features to keep your wireless connection safe from unauthorized access.

The DAP-1360 supports WPS on the AP, repeater and wireless client operation modes, with each capable of being conveniently set up by using the PIN method or Push Button.

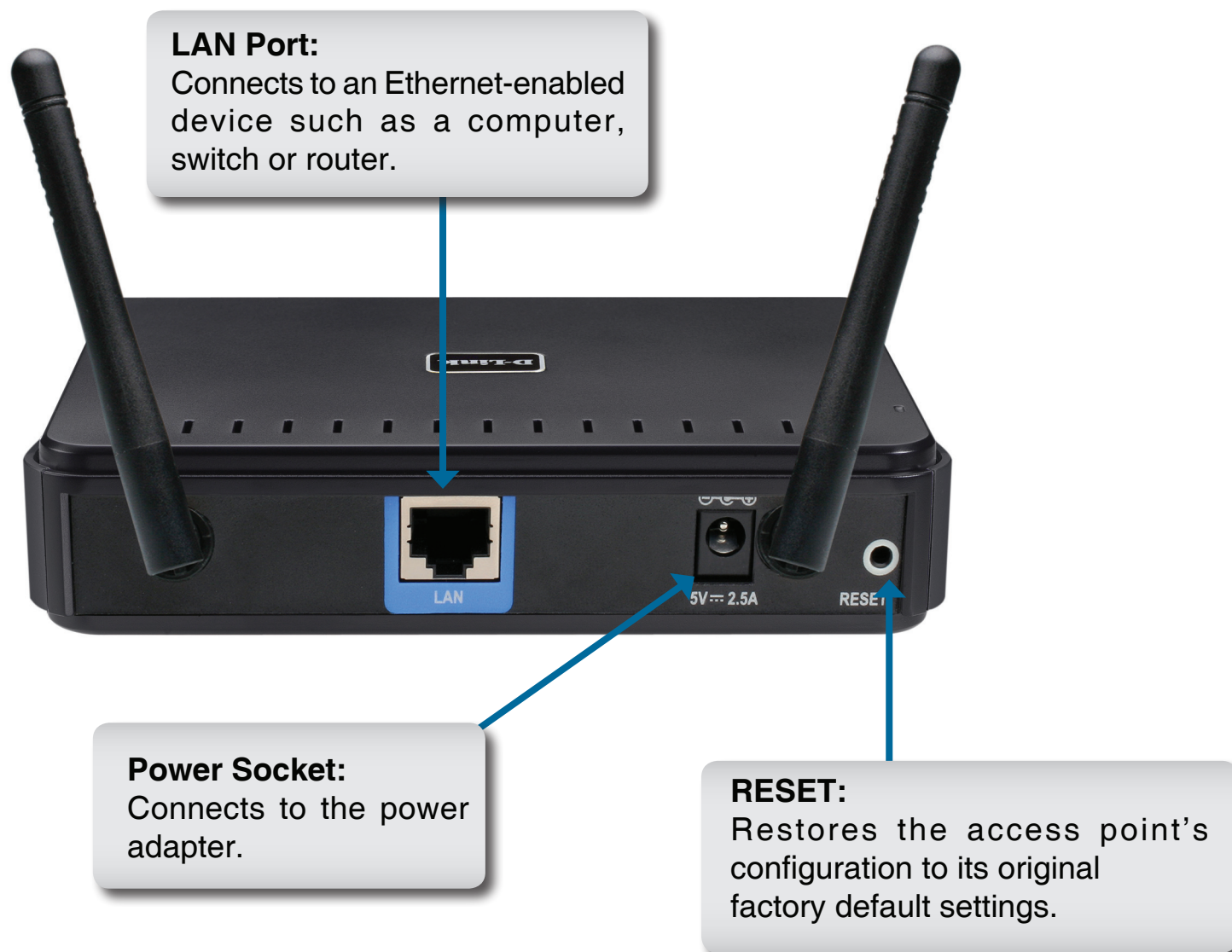
<sup>1</sup> Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate.

## Features

- **Connects homes and small offices to a high-speed wireless network** - This AP provides better wireless signals for your computers than earlier generation wireless 802.11g technology. Adding this wireless AP to your home and office provides an excellent solution for doing everyday activities such as transferring files, browsing the Internet, and downloading music. This AP uses Intelligent Antenna technology to transmit multiple streams of data, which enable you to receive wireless signals in the farthest corners of your home or office. Not only does it extend your wireless range, it also works with your existing 802.11g devices.
- **Multiple operation modes** – The AP can be flexibly configured to operate as an Access Point, Wireless Client, Bridge, Bridge with AP, Repeater, WISP Client Router or WISP Repeater.
- **Total security** – Complete set of security features including WEP encryption and WPA/WPA2 to protect network against outside intruders.
- **WPS (Wi-Fi Protected Setup)** - This AP supports WPS in the AP, Repeater and Wireless Client operation modes.
- **Protect wireless network and data** – The DAP-1360 provides 64/128-bit WEP encryption and WPA/WPA2 security to protect your network and wireless data. In addition, it also provides MAC address filtering and the Disable SSID Broadcast function to limit outsiders' access to your home and office network.
- **Easy to install and use** – With D-Link's Setup Wizard, you can set up your wireless network in minutes. It configures your DAP-1360's operation mode, makes it easy to add new wireless devices onto the network, and helps you create a simple wireless network for your home and office.

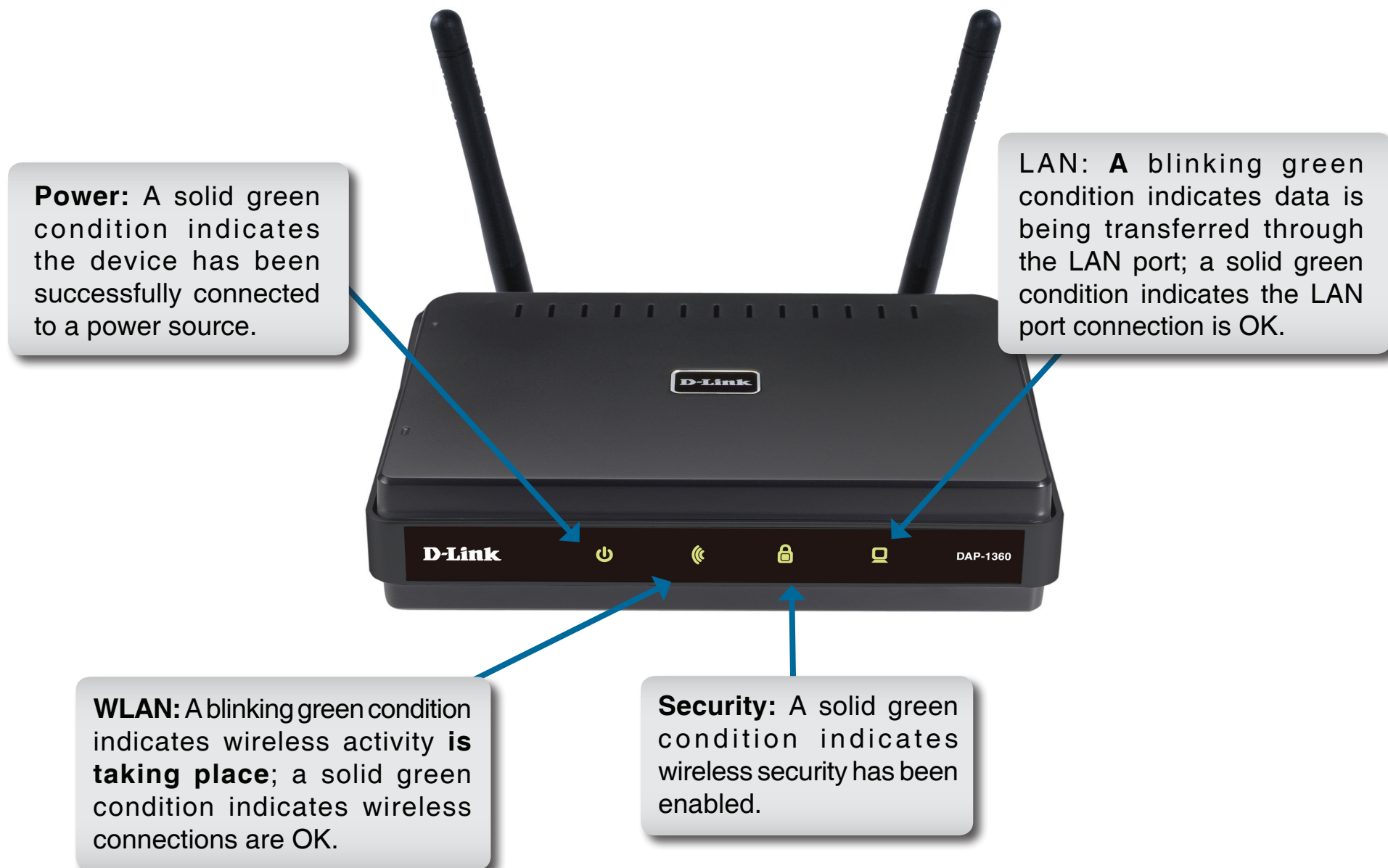
\* Maximum wireless signal rate based on IEEE Standard 802.11n specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead lower actual data throughput rate.

## Hardware Overview Connections



## Hardware Overview

### LEDs





## LEDs



**WPS LED:** A solid light indicates a successful WPS connection. A blinking light indicates the device is trying to establish a connection.

# Wireless Installation Considerations

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

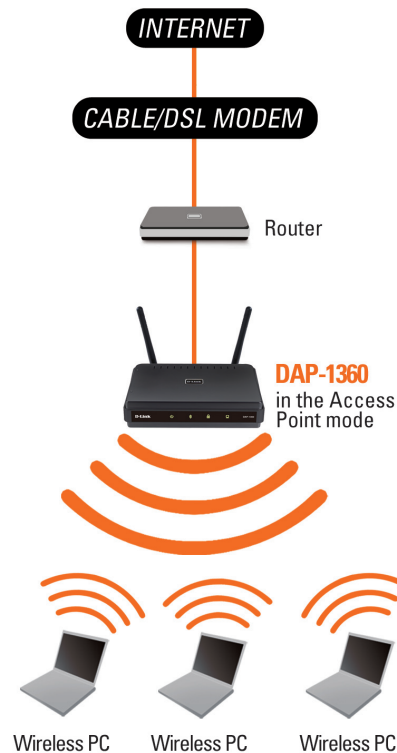
1. Keep the number of walls and ceilings between the D-Link access point and other network devices to a minimum - each wall or ceiling can reduce your adapter's range from 3-90 feet (1-30 meters.) Position your devices so that the number of walls or ceilings is minimized.
2. Be aware of the direct line between network devices. A wall that is 1.5 feet thick (.5 meters), at a 45-degree angle appears to be almost 3 feet (1 meter) thick. At a 2-degree angle it looks over 42 feet (14 meters) thick! Position devices so that the signal will travel straight through a wall or ceiling (instead of at an angle) for better reception.
3. Building Materials make a difference. A solid metal door or aluminum studs may have a negative effect on range. Try to position access points, wireless access points, 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 2.4GHz 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 2.4GHz 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.

# Seven Configuration Operation Modes

How your AP will operate depends on which operation mode you select. This section will help you figure out which setting works for different requirements.

## Access Point Mode

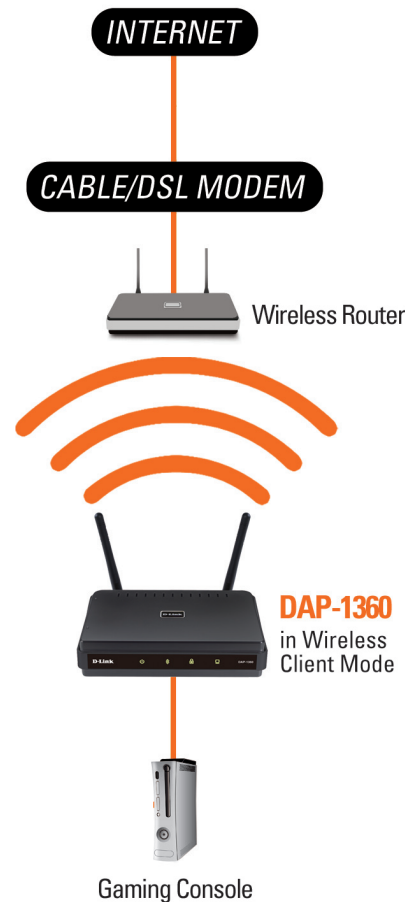
In the Access Point mode, the DAP-1360 acts as a central connection point for any computer (client) that has a 802.11n or backward-compatible 802.11b/g wireless network interface and is within range of the AP. Clients must use the same SSID (wireless network name) and channel as the AP in order to connect. If wireless security is enabled on the AP, the client will need to enter a password to connect to the AP. In the Access Point mode, multiple clients can connect to the AP at the same time.



**Wireless PCs Using the DAP-1360 as a Central Connection Point**

## Wireless Client Mode

In the Wireless Client mode, the DAP-1360 acts as a wireless network adapter for your Ethernet-enabled device (such as a game console or a TV set-top box). Connect your Ethernet-enabled device to the AP using an Ethernet cable. The AP Client mode can support multiple wired clients. If you are going to connect several Ethernet-enabled devices to your DAP-1360, connect the LAN port of the DAP-1360 to an Ethernet switch, then connect your devices to this switch.



**Ethernet-enabled Gaming Console Using the DAP-1360 as a Wireless Interface to Access the Internet**



## Repeater Mode

In the Repeater mode, the DAP-1360 increases the range of your wireless network by extending the wireless coverage of another AP or wireless router. The APs and wireless router (if used) must be within range of each other. Make sure that all clients, APs, and the wireless router all use the same SSID (wireless network name) and channel.

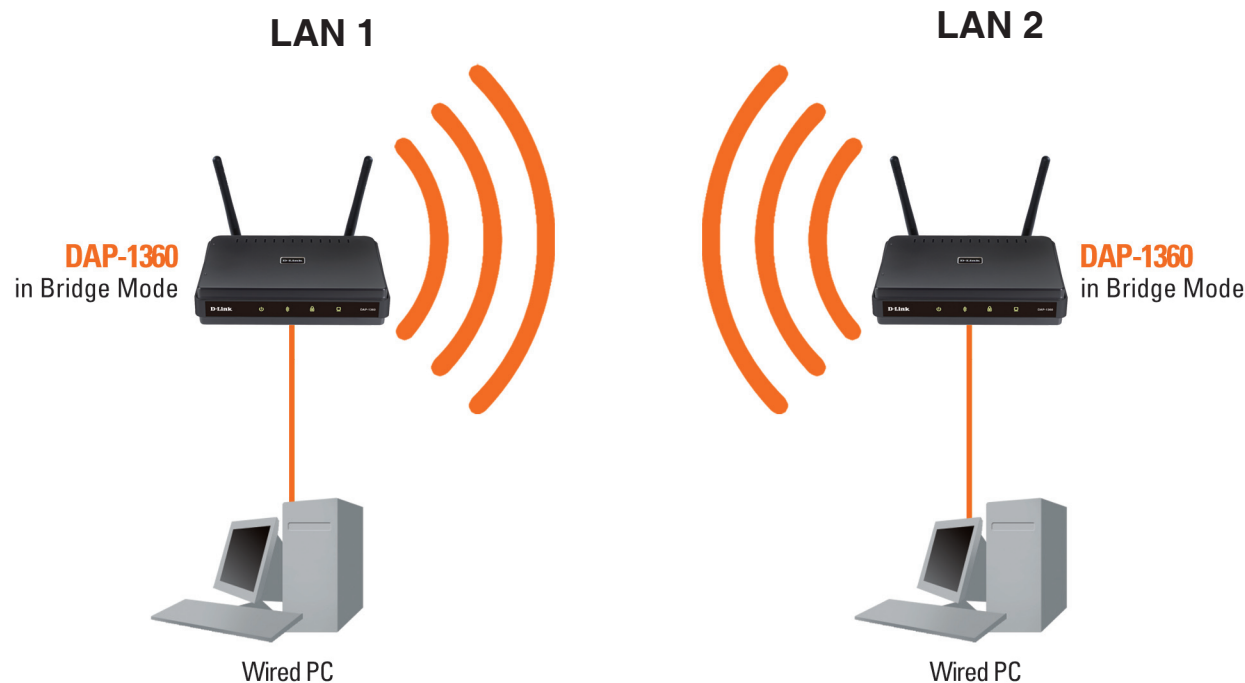


### Extending the Wireless Coverage of a Wireless Router Using the DAP-1360

## Bridge Mode

In the Bridge mode, the DAP-1360 wirelessly connects separate LANs that can't easily be connected together with a cable. For example, if there are two wired LANs separated by a small courtyard, it would be expensive to bury cables to connect between the two sides together. A better solution is to use two DAP-1360 units to wirelessly connect the two LANs. In the Bridge mode, both DAP-1360 units do not act as APs.

**Note:** The Bridge mode is not specified in the Wi-Fi or IEEE standards. This mode will only work using two DAP-1360 units. Communication with other APs (even other D-Link APs) is not guaranteed.

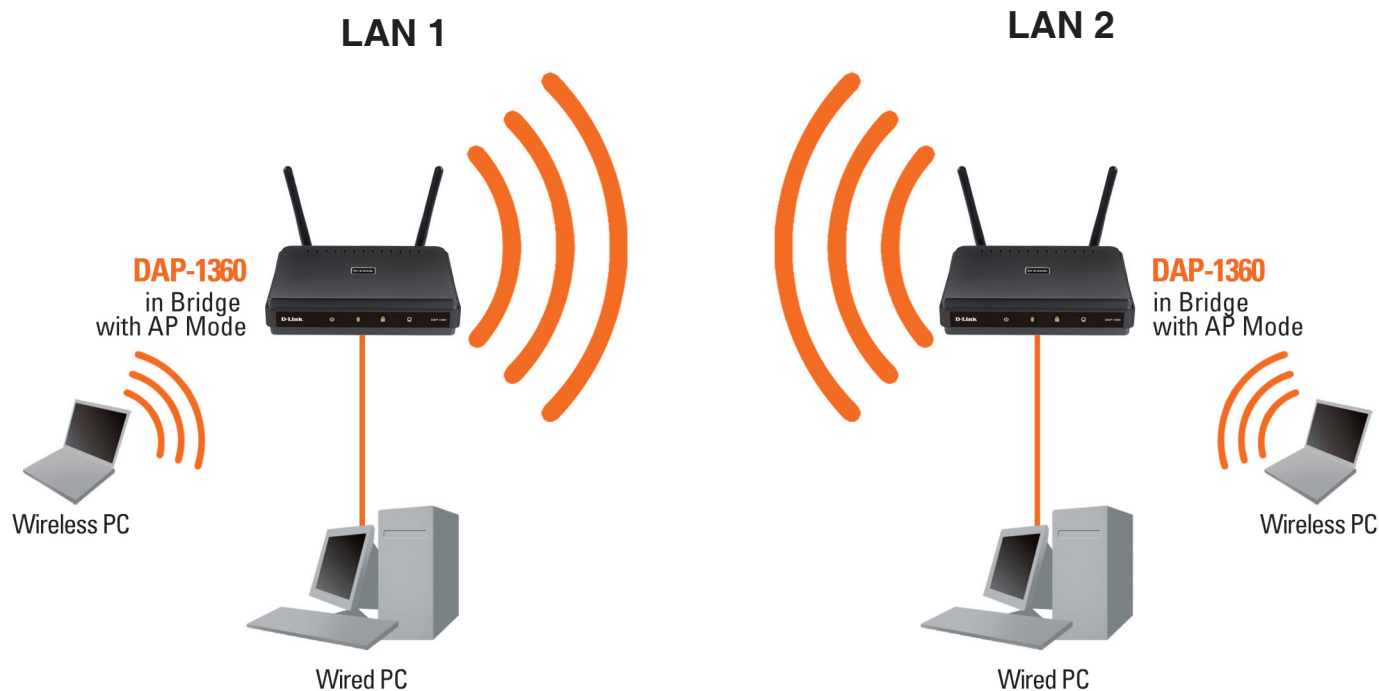


**Connecting Two Separate LANs Together Through Two DAP-1360 Units  
(Wireless PCs Cannot Access the DAP-1360 Units)**

## Bridge with AP Mode

The Bridge with AP mode is the same as the Bridge mode, but in this case, the DAP-1360 also acts as an AP. Clients with wireless interfaces can wirelessly connect to the DAP-1360 and then connect to the other LAN that the DAP-1360 bridges to.

**Note:** The Bridge with AP mode is not specified in the Wi-Fi or IEEE standards. This mode will only work using two DAP-1360 units. Communication with other APs (even other D-Link APs) is not guaranteed.

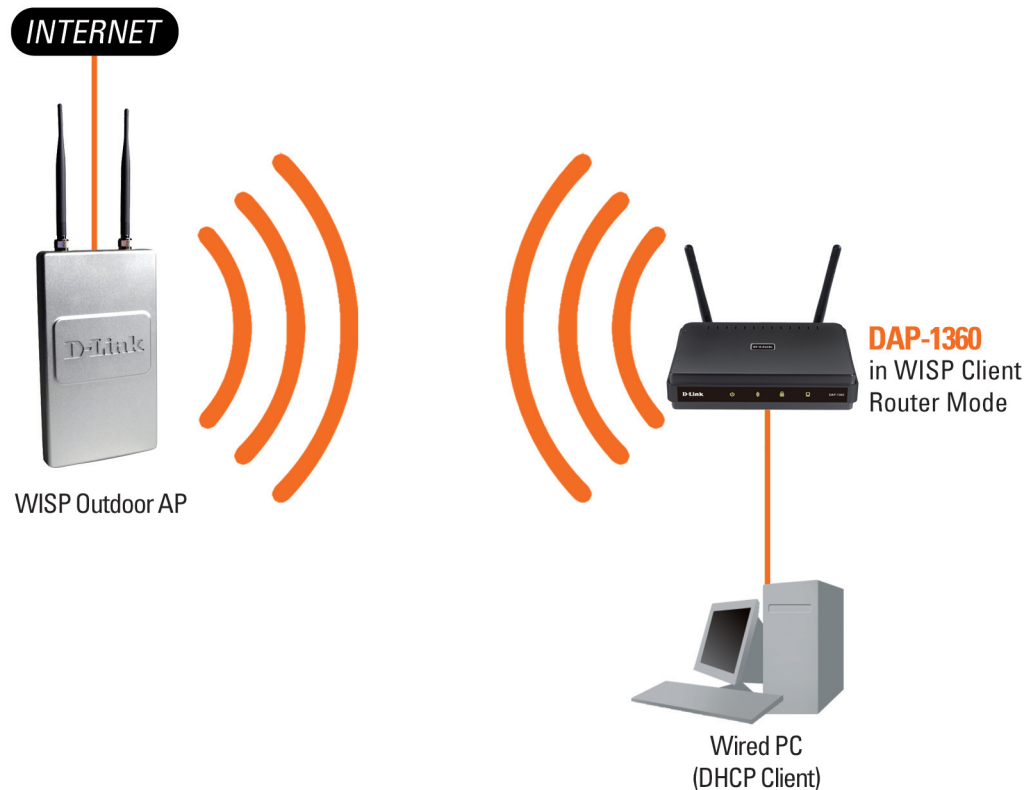


**Connecting Two Separate LANs Together Through Two DAP-1360 Units  
(Wireless PCs Can Access the DAP-1360 Units)**

## WISP Client Router Mode

In the WISP Client Router mode, the DAP-1360 wirelessly connects to a WISP (Wireless Internet Service Provider) AP. In this mode, the DAP-1360 also acts as a router for wired clients on your LAN and provides NAT (Network Address Translation) and a DHCP server to generate IP addresses for wired clients only. NAT and the DHCP server allow many computers to share the same wireless Internet connection.

If you are a WISP subscriber and want to access your WISP account using wired computers, connect your computers to the DAP-1360 to get NAT, and then connect them to the WISP AP.



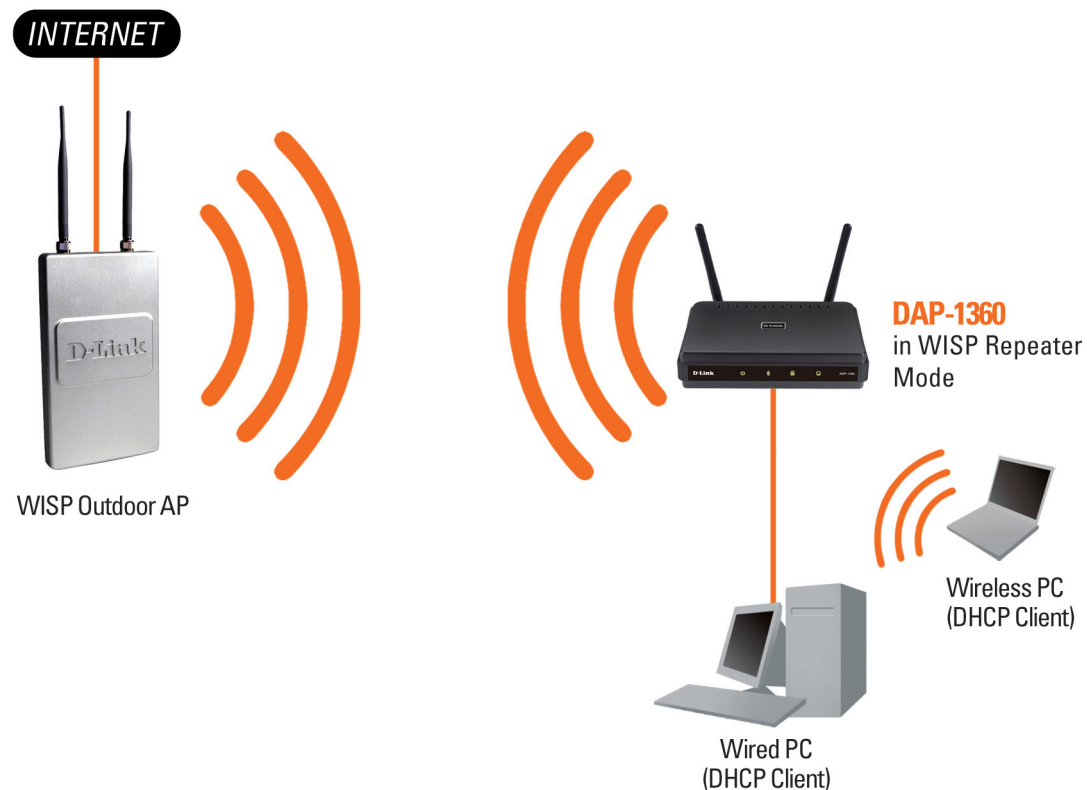
### Connecting Wired PCs to the Internet Using the DAP-1360



## WISP Repeater Mode

In the WISP Repeater mode, the DAP-1360 wirelessly connects to a WISP (Wireless Internet Service Provider) AP. In this mode, the DAP-1360 also acts as a router for both wireless and wired clients on your LAN. The WISP Repeater mode provides NAT (Network Address Translation) and a DHCP server to generate IP addresses for both wireless and wired clients. NAT and the DHCP server allow many computers to share the same wireless Internet connection.

If you are a WISP subscriber and want to use your WISP account in your house, but the signals from the outdoor WISP AP are not strong enough to reach all of the areas in the house, use the DAP-1360 to can extend the signals from the outdoor WISP AP and provide access to wireless clients in your house. Using this mode, wireless as well as wired clients can connect to the outdoor WISP AP through the DAP-1360.



**Connecting Wired and Wireless PCs to the Internet Using the DAP-1360**

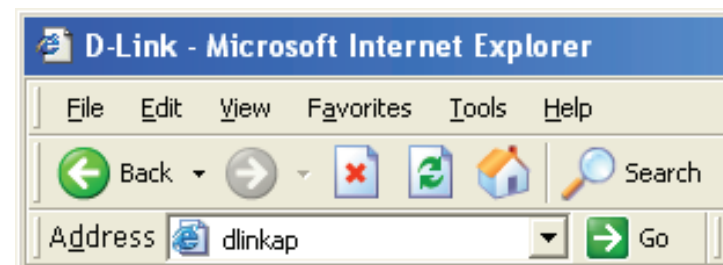
# Configuration

## Web-based Configuration Utility

If you wish to change the default settings or optimize the performance of the DAP-1360, you may use the configuration utility that D-Link has included a configuration utility for this purpose.

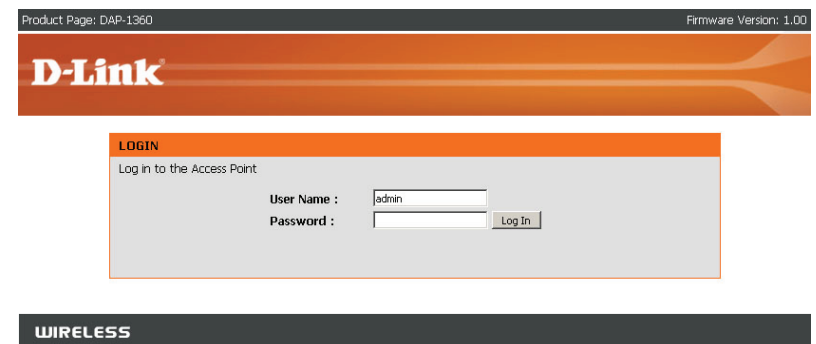
After you have completed the initial installation, you can access the configuration menu, at any time, by opening the web-browser and typing in the device name of the DAP-1360. The DAP-1360's default device name is shown below:

1. Open the web browser
2. Type in the **device name (dlinkap) or ip address (192.168.0.50)** of the DAP-1360.



Note: If you have changed the default device name assigned to the DAP-1360, make sure to enter the correct device name.

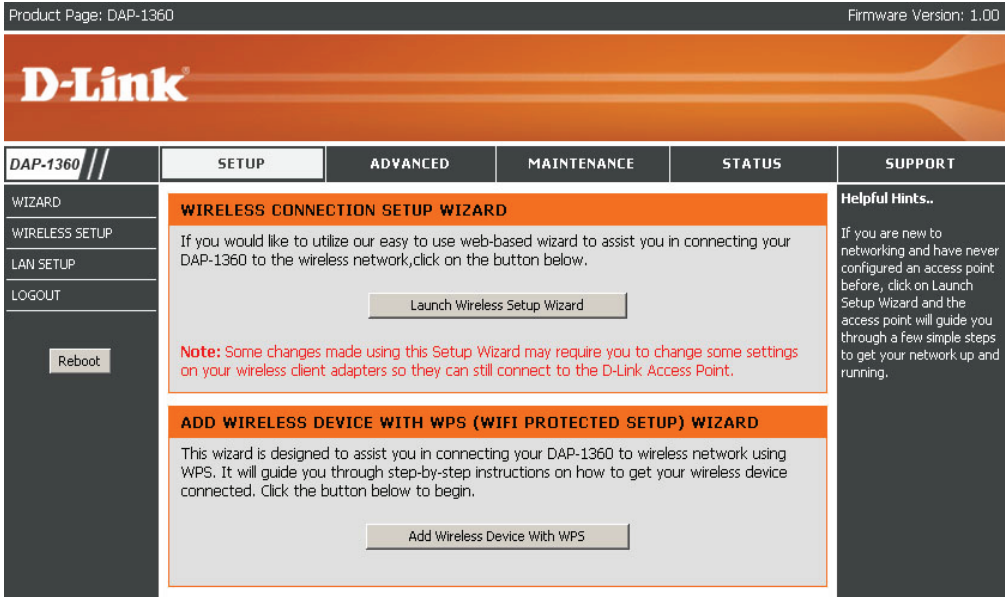
3. Type **admin** in the **User Name** field
4. Leave the **Password** blank
5. Click **OK**



# Setup Wizard

Click **Launch Wireless Setup Wizard** to quickly configure your access point.

To setup your wireless network using WPS, you can click **Add Wireless Device With WPS** and skip to page 43.



## Setup Wizard for AP Mode

This Wizard is designed to assist you in connecting your wireless device to your access point. It will guide you through step-by-step instructions on how to get your wireless device connected.

Click **Launch Wireless Setup Wizard** to begin.

Click **Launch Wireless Setup Wizard**

Product Page: DAP-1360 Firmware Version: 1.00

**D-Link**

DAP-1360 // SETUP ADVANCED MAINTENANCE STATUS SUPPORT

WIZARD  
WIRELESS SETUP  
LAN SETUP  
LOGOUT

**WIRELESS CONNECTION SETUP WIZARD**

If you would like to utilize our easy to use web-based wizard to assist you in connecting your DAP-1360 to the wireless network, click on the button below.

Launch Wireless Setup Wizard

**Note:** Some changes made using this Setup Wizard may require you to change some settings on your wireless client adapters so they can still connect to the D-Link Access Point.

**ADD WIRELESS DEVICE WITH WPS (WIFI PROTECTED SETUP) WIZARD**

This wizard is designed to assist you in connecting your DAP-1360 to wireless network using WPS. It will guide you through step-by-step instructions on how to get your wireless device connected. Click the button below to begin.

Add Wireless Device With WPS

**Helpful Hints..**

If you are new to networking and have never configured an access point before, click on Launch Setup Wizard and the access point will guide you through a few simple steps to get your network up and running.

Reboot

Select the wireless mode **Access Point**.

Product Page: DAP-1360 Firmware Version: V1.00

**D-Link**

**SET YOUR DEVICE NAME**

Please select wireless mode. Click **Next** to continue.

Wireless Mode: Access Point

Next Exit

WIRELESS



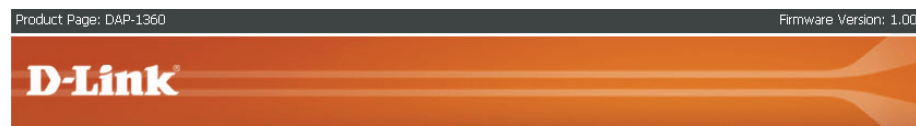
Enter the Device Name of the AP and click **Next** to continue. It is recommended to change the Device Name if there is more than one D-Link device within the subnet.

If you want to change the admin account password, enter a new password and click **Next**.

Select **Auto** as the configuration method only if your wireless device supports Wi-Fi Protected Setup.

Skip to next page for **Manual** configuration.

Click **Next** to continue.



**SET YOUR DEVICE NAME**

Enter the Device Name of the AP. Recommend to change the Device Name if there're more than one D-Link devices within the subnet. Click **Next** to continue.

Device Name (NetBIOS Name)

### WIRELESS



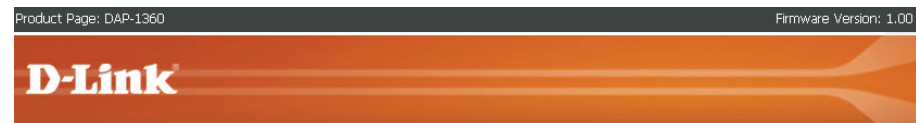
**SET YOUR NEW PASSWORD**

You may change the **admin** account password by entering in a new password. Click **Next** to continue.

Password

Verify Password

### WIRELESS



**SELECT CONFIGURATION METHOD**

Please select one of the following configuration methods and click next to continue.

☒ **Auto** -- Select this option if your wireless device supports WPS(Wi-Fi Protected Setup)

☐ **Manual** -- Select this option if you want to setup your network manually.

### WIRELESS

Click **Save** to save your network settings.

In order for your network settings to take effect AP will reboot automatically.

When the device has finished rebooting the main screen will display.

Select **Manual** as the configuration method to setup your network manually.

Click **Next** to continue.



### WELCOME TO THE D-LINK WIRELESS SETUP WIZARD

Please enter the following settings in the wireless device that you are adding to your wireless network and keep a note of it for future reference.

Wireless Network Name (SSID) : **dlink26A2**  
Wireless Security Mode : **WPA-PSK**  
Network Key : **CP7GVHL49E2KOK2VC34N3ERSTH**

[Prev](#) [Save](#) [Exit](#)

## WIRELESS

Product Page: DAP-1360 Firmware Version: 1.00

**D-Link**

### SAVING

The settings are saving and taking effect.  
Please wait...

## WIRELESS

Product Page: DAP-1360 Firmware Version: 1.00

**D-Link**

### SELECT CONFIGURATION METHOD

Please select one of the following configuration methods and click next to continue.

- ☐ **Auto** -- Select this option if your wireless device supports WPS(Wi-Fi Protected Setup)  
☒ **Manual** -- Select this option if you want to setup your network manually.

[Prev](#) [Next](#) [Exit](#)

## WIRELESS

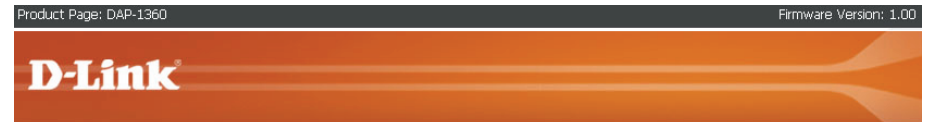
Enter a network name and choose **Automatically assign a network key**.

To Manually assign a network key, skip this step.

Click **Next** to continue.

If you choose WPA-PSK encryption, the following screen will show you your Network Key to enter on your wireless clients.

Click **Save** to finish the Setup Wizard.



**WELCOME TO THE D-LINK WIRELESS SETUP WIZARD**

Give your network a name, using up to 32 characters.  
Network Name (SSID):

☒ Automatically assign a network key (Recommended)  
To prevent outsiders from accessing your network, the AP will automatically assign a security key (also called WEP or WPA key) to your network.

☐ Manually assign a network key  
Use this option if you prefer to create your own key.

☒ Use WPA encryption instead of WEP (WPA is stronger than WEP and all D-Link wireless client adapters support WPA)

### WIRELESS



**WELCOME TO THE D-LINK WIRELESS SETUP WIZARD**

Please enter the following settings in the wireless device that you are adding to your wireless network and keep a note of it for future reference.

Wireless Network Name (SSID) : **dlink26A2**  
Wireless Security Mode : **WPA-PSK**  
Network Key : **S25EONBA5YQCMV6B21QQWENOKO**

### WIRELESS

If you choose WEP encryption, the following screen will show you your Network Key to enter on your wireless clients.

Click **Save** to finish the Setup Wizard.

Choose **Manually assign a network key** to create your own key.

Click **Next** to continue.



**WELCOME TO THE D-LINK WIRELESS SETUP WIZARD**

Please enter the following settings in the wireless device that you are adding to your wireless network and keep a note of it for future reference.

Wireless Network Name (SSID) : **dlink26A2**

Wireless Security Mode : **WEP**

Network Key : **68DC8E4EUTJVF**

### WIRELESS



**WELCOME TO THE D-LINK WIRELESS SETUP WIZARD**

Give your network a name, using up to 32 characters.

Network Name (SSID):

☐ Automatically assign a network key (Recommended)

To prevent outsiders from accessing your network, the AP will automatically assign a security key (also called WEP or WPA key) to your network.

☒ Manually assign a network key

Use this option if you prefer to create your own key.

☒ Use WPA encryption instead of WEP (WPA is stronger than WEP and all D-Link wireless client adapters support WPA)

### WIRELESS

For **WPA** encryption, enter a Network Key between 8 and 63 characters long or enter exactly 64 characters using 0-9 and A-F.

Click **Next** to continue.

If you select **WPA** encryption, the following screen will show you your network key to enter on your wireless clients.

Click **Save** to finish the Setup Wizard.

Product Page: DAP-1360 Firmware Version: 1.00

**D-Link**

**WELCOME TO THE D-LINK WIRELESS SETUP WIZARD**

The WPA (Wi-Fi Protected Access) key must meet the following guidelines:

- Between 8 and 63 characters (A longer WPA key is more secure than a short one)

Network key :

**WIRELESS**

Product Page: DAP-1360 Firmware Version: 1.00

**D-Link**

**WELCOME TO THE D-LINK WIRELESS SETUP WIZARD**

Please enter the following settings in the wireless device that you are adding to your wireless network and keep a note of it for future reference.

Wireless Network Name (SSID) : **dlink26A2**

Wireless Security Mode : **WPA-PSK**

Network Key : **D37y423j9**

**WIRELESS**

For **WEP** encryption, enter a Network Key exactly 5 or 13 characters long or exactly 10 or 26 characters using 0-9 and A-F.

Click **Next** to continue.

If you select **WEP** encryption, the following screen will show you your network key to enter on your wireless clients.

Click **Save** to finish the Setup Wizard.

This screenshot shows the "WELCOME TO THE D-LINK WIRELESS SETUP WIZARD" screen. It contains the following text: "The WEP (or Wired Equivalent Privacy) key must meet one of the following guidelines:", a bulleted list with two items: "- Exactly 5 or 13 characters" and "- Exactly 10 or 26 characters using 0-9 and A-F", and a note: "A longer WEP key is more secure than a short one." Below the text is a label "Network key :" followed by a text input field containing the value "dlink". At the bottom right are three buttons: "Prev", "Next", and "Exit".

### WIRELESS

This screenshot shows the final configuration screen of the "WELCOME TO THE D-LINK WIRELESS SETUP WIZARD". It contains the text: "Please enter the following settings in the wireless device that you are adding to your wireless network and keep a note of it for future reference." Below this, the following settings are displayed: "Wireless Network Name (SSID) : dlink26A2", "Wireless Security Mode : WEP", and "Network Key : dlink". At the bottom right are three buttons: "Prev", "Save", and "Exit".

### WIRELESS



## Setup Wizard for Repeater Mode

This wizard is designed to assist you in configuring the wireless settings for your DAP-1360 with repeater mode. It will guide you through step-by-step instructions on how to setup your wireless network. You can click launch wireless setup wizard to quickly configure your access point. If DAP-1360 successfully connect to the AP or Wireless router with repeater mode, you can also click add wireless device with WPS to setup your wireless network using WPS.

Click **Launch Wireless Setup Wizard** to begin.

Click **Launch Wireless Setup Wizard**

Product Page: DAP-1360 Firmware Version: 1.00

**D-Link**

DAP-1360	SETUP	ADVANCED	MAINTENANCE	STATUS	SUPPORT
WIZARD	<b>WIRELESS CONNECTION SETUP WIZARD</b> If you would like to utilize our easy to use web-based wizard to assist you in connecting your DAP-1360 to the wireless network, click on the button below.  <b>Note:</b> Some changes made using this Setup Wizard may require you to change some settings on your wireless client adapters so they can still connect to the D-Link Access Point.  <b>LAUNCH WIRELESS SETUP WIZARD</b> Launch Wireless Setup Wizard  <b>ADD WIRELESS DEVICE WITH WPS (WIFI PROTECTED SETUP) WIZARD</b> This wizard is designed to assist you in connecting your DAP-1360 to wireless network using WPS. It will guide you through step-by-step instructions on how to get your wireless device connected. Click the button below to begin.				<b>Helpful Hints..</b> If you are new to networking and have never configured an access point before, click on Launch Setup Wizard and the access point will guide you through a few simple steps to get your network up and running.
WIRELESS SETUP					
LAN SETUP					
LOGOUT					
Reboot					

Select the wireless mode **Repeater**.

Product Page: DAP-1360 Firmware Version: V1.00

**D-Link**

**SET YOUR DEVICE NAME**

Please select wireless mode. Click **Next** to continue.

Wireless Mode: Repeater

Next Exit

**WIRELESS**

Enter the Device Name of the AP and click **Next** to continue. It is recommended to change the Device Name if there is more than one D-Link device within the subnet.



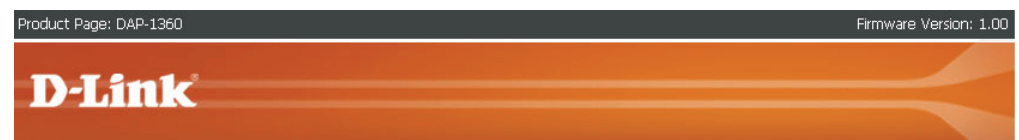
### SET YOUR DEVICE NAME

Enter the Device Name of the AP. Recommend to change the Device Name if there're more than one D-Link devices within the subnet. Click **Next** to continue.

Device Name (NetBIOS Name)

## WIRELESS

If you want to change the admin account password, enter a new password and click **Next**.



### SET YOUR NEW PASSWORD

You may change the **admin** account password by entering in a new password. Click **Next** to continue.

Password   
Verify Password

## WIRELESS

Select **Auto** configuration if you want to use Wi-Fi Protected Setup.

If you want to setup your network manually, skip this step.

Click **Next** to continue.



**SELECT CONFIGURATION METHOD**

Please select one of the following configuration methods and click next to continue.

☒ **Auto** -- Select this option if your wireless device supports WPS(Wi-Fi Protected Setup)

☐ **Manual** -- Select this option if you want to setup your network manually.

Prev Next Exit



Select **PIN** to connect your wireless device with WPS.

For **PBC** configuration, skip to next page.

Enter the PIN number used into your access point and click **Connect**.



**CONNECT TO WIRELESS DEVICE WITH WPS**

There are two ways to connect to wireless device with WPS:

- PIN (Personal Identification Number)
- PBC (Push Button Configuration)

☒ **PIN: 76103322**

Generate New PIN Reset PIN to Default

Please enter the above PIN into your Access Point and click the below "Connect" button.

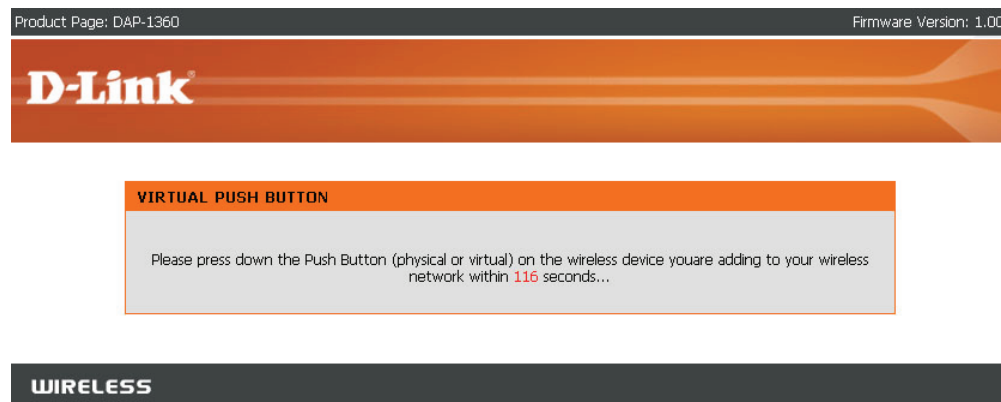
☐ **PBC**

Please press the push button on your wireless device and press the "Connect" button below with 120 seconds.

Prev Connect Exit

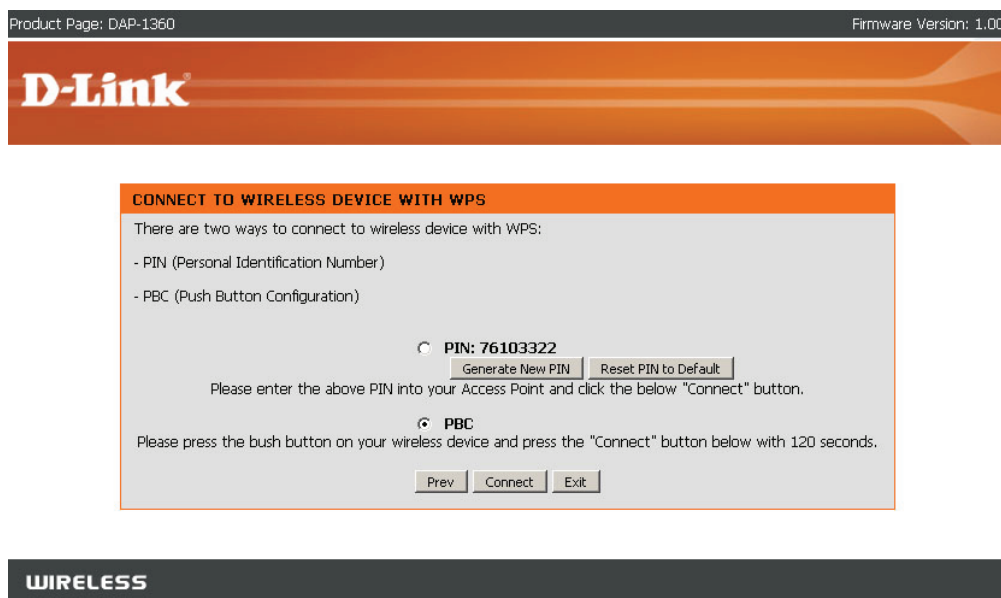


Start WPS on the wireless device you are adding to your wireless network to complete the setup.



Select **PBC** to use the Push Button Configuration to connect to your network.

Click **Connect** to continue.

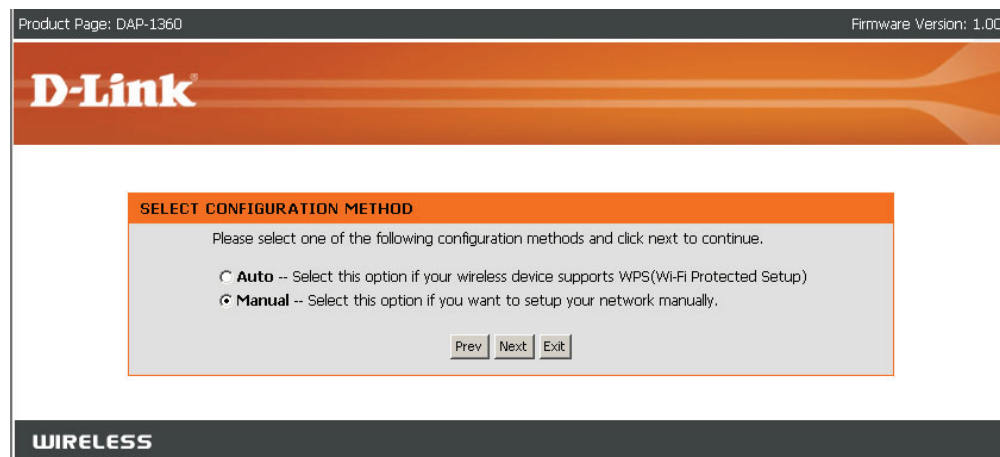


Press down the Push Button on the wireless device you are adding to your network to complete the setup.



Select **Manual** configuration to setup your network manually.

Click **Next** to continue.



If you clicked on **Site Survey** to following screen will be displayed.

Find your access point from the list and click **Connect** to complete the Setup Wizard.

D-Link							
SSID	BSSID	Channel	Type	Encrypt	Signal	Select	
dlink	00179a84c23f	1 (B+G)	AP	no	87	<input type="radio"/>	
GE-356	00037fbef0eb	6 (B+G)	AP	WPA2-PSK	50	<input type="radio"/>	
Apple Network 2b4a4b	001b632b4a4b	7 (B+G)	AP	no	40	<input type="radio"/>	
DIR-615 B2	000364000124	11 (B+G)	AP	WPA-PSK/WPA2-PSK	33	<input type="radio"/>	
dlink	001b11740ca4	5 (B+G)	AP	no	32	<input type="radio"/>	
7700g	0015e9c9c950	1 (B+G)	AP	no	30	<input type="radio"/>	
dlink	0018e7235f32	2 (B+G)	AP	no	30	<input type="radio"/>	
Home_11g	001b11b58924	11 (B+G)	AP	WPA-PSK/WPA2-PSK	29	<input type="radio"/>	
DIR-330	001b114c74cf	6 (B+G)	AP	WPA-PSK	24	<input type="radio"/>	
dlink-320t	001b11b58930	6 (B+G)	AP	WPA-PSK	20	<input type="radio"/>	
320-guest	001b11b58931	6 (B+G)	AP	no	20	<input type="radio"/>	
dlink	00defa27a101	6 (B+G)	AP	no	16	<input type="radio"/>	
PS	001195eb7d6e	1 (B+G)	AP	no	1	<input type="radio"/>	
							<input type="button" value="Connect"/> <input type="button" value="Exit"/>

Choose which Security Mode you want to use and click **Next** to continue.

Product Page: DAP-1360
Firmware Version: 1.00

D-Link

### SELECT WIRELESS SECURITY MODE

Please select the wireless security mode.

☒ None  
☐ WEP  
☐ WPA  
☐ WPA2

WIRELESS

If you choose **WEP**, enter the wireless security password and click **Next** to complete the Setup Wizard.

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Firmware Version: 1.00

**D-Link**

**SET YOUR WIRELESS SECURITY PASSWORD**

Please enter the wireless security password to establish wireless connection.

Key Type:

Key Size:

Wireless Security Password:

### WIRELESS

If you choose **WPA**, enter the WPA Personal Passphrase and click **Next** to complete the Setup Wizard.

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Firmware Version: 1.00

**D-Link**

**SET YOUR WPA PERSONAL PASSPHRASE**

Please enter the WPA personal passphrase to establish wireless connection.

WPA Personal Passphrase:

(8 to 63 characters)

### WIRELESS



If you choose **WPA2**, enter the WPA2 Personal Passphrase and click **Next** to complete the Setup Wizard.



**SET YOUR WPA2 PERSONAL PASSPHRASE**

Please enter the WPA2 personal passphrase to establish wireless connection.

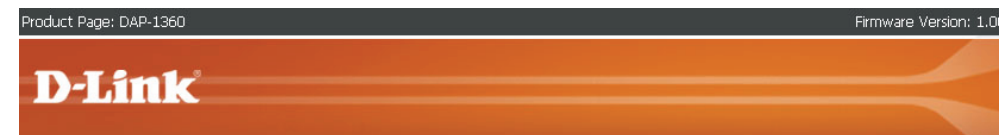
WPA2 Personal Passphrase:

(8 to 63 characters)

### WIRELESS

The Wireless Setup Wizard is complete.

Click **Finish** to reboot the device.



**CONNECT TO WIRELESS DEVICE**

The wireless setup wizard has completed

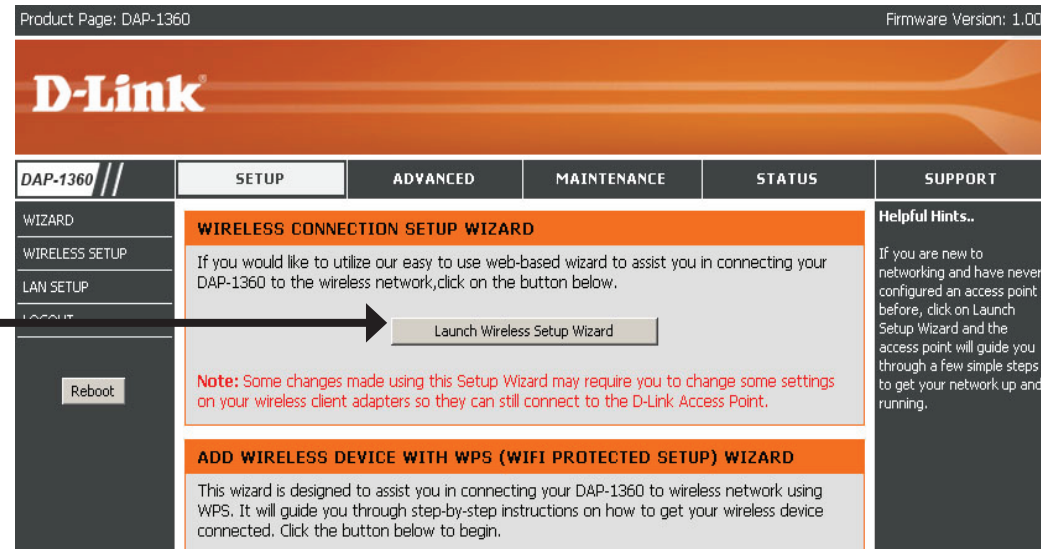
### WIRELESS

# Setup Wizard for Wireless Client Mode

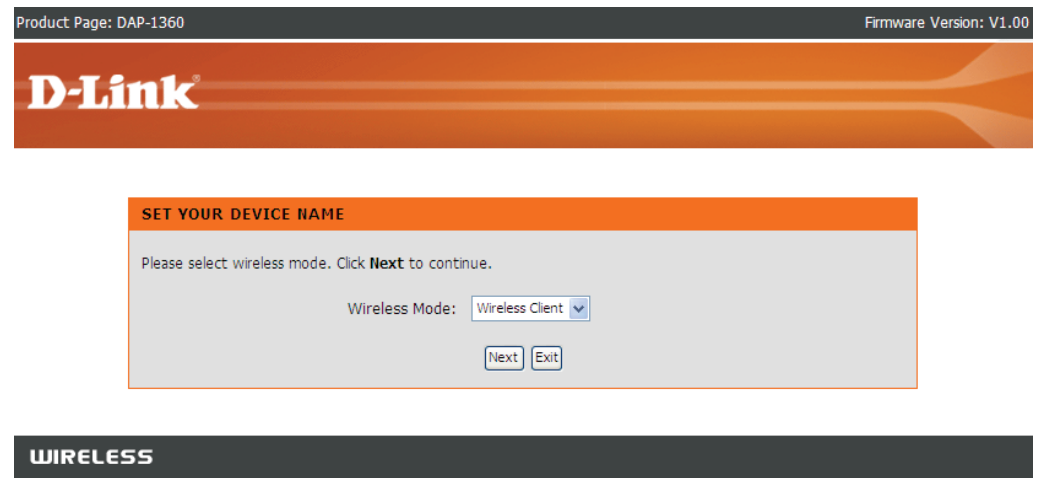
To configure the wireless client mode, follow these instructions.

Click **Launch Wireless Setup Wizard** to begin.

Click Launch Wireless Setup Wizard




Select the wireless mode **Wireless Client**.



Enter the **Device Name** of the AP and click **Next** to continue. It is recommended to change the **Device Name** if there is more than one D-Link device within the subnet.

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SET YOUR DEVICE NAME

Enter the Device Name of the AP. Recommend to change the Device Name if there're more than one D-Link devices within the subnet. Click **Next** to continue.


Device Name (NetBIOS Name)

### WIRELESS

If you want to change the admin account password, enter a new password and click **Next**.

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SET YOUR NEW PASSWORD

You may change the **admin** account password by entering in a new password. Click **Next** to continue.

Password

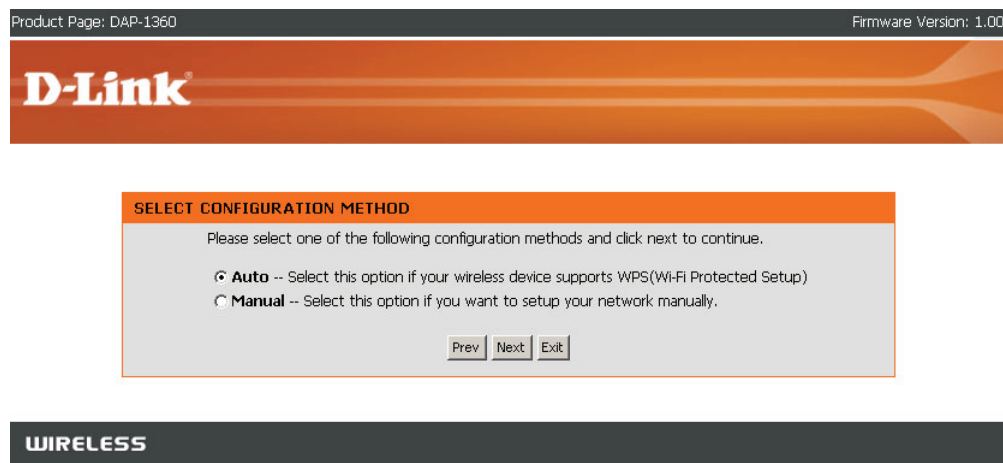
Verify Password

### WIRELESS

Select **Auto Configuration** if you want to use Wi-Fi Protected Setup.

If you want to setup your network manually, skip this step.

Click **Next** to continue.



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**D-Link**

**SELECT CONFIGURATION METHOD**

Please select one of the following configuration methods and click next to continue.

☒ **Auto** -- Select this option if your wireless device supports WPS(Wi-Fi Protected Setup)

☐ **Manual** -- Select this option if you want to setup your network manually.

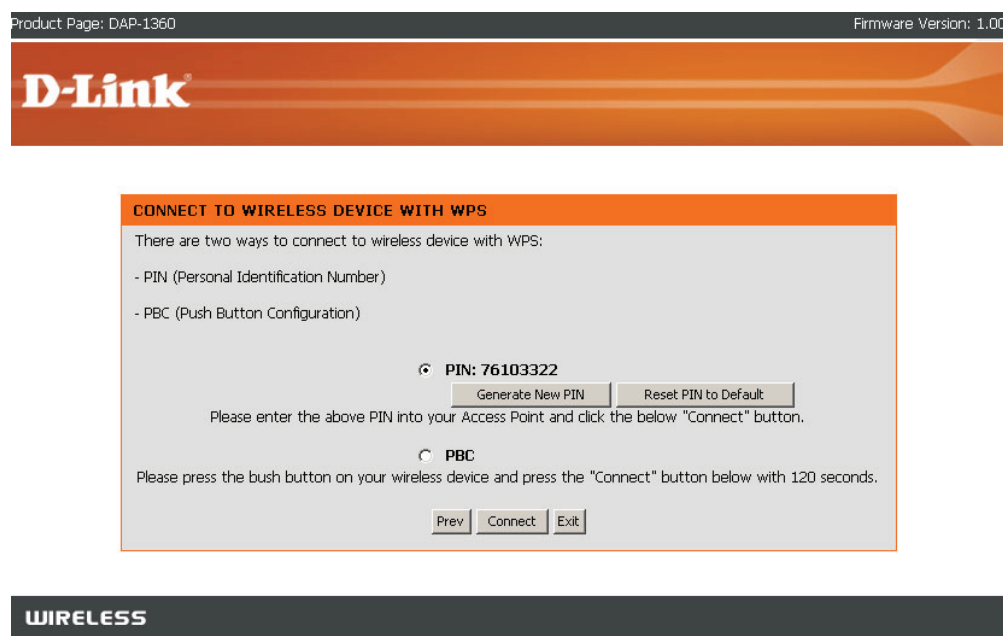
Prev Next Exit

**WIRELESS**

Select **PIN** to connect your wireless device with WPS.

For **PBC configuration**, skip to next page.

Enter the PIN number used into you access point and click **Connect**.



Product Page: DAP-1360 Firmware Version: 1.00

**D-Link**

**CONNECT TO WIRELESS DEVICE WITH WPS**

There are two ways to connect to wireless device with WPS:

- PIN (Personal Identification Number)
- PBC (Push Button Configuration)

☒ **PIN: 76103322**

Generate New PIN Reset PIN to Default

Please enter the above PIN into your Access Point and click the below "Connect" button.

☐ **PBC**

Please press the bush button on your wireless device and press the "Connect" button below with 120 seconds.

Prev Connect Exit

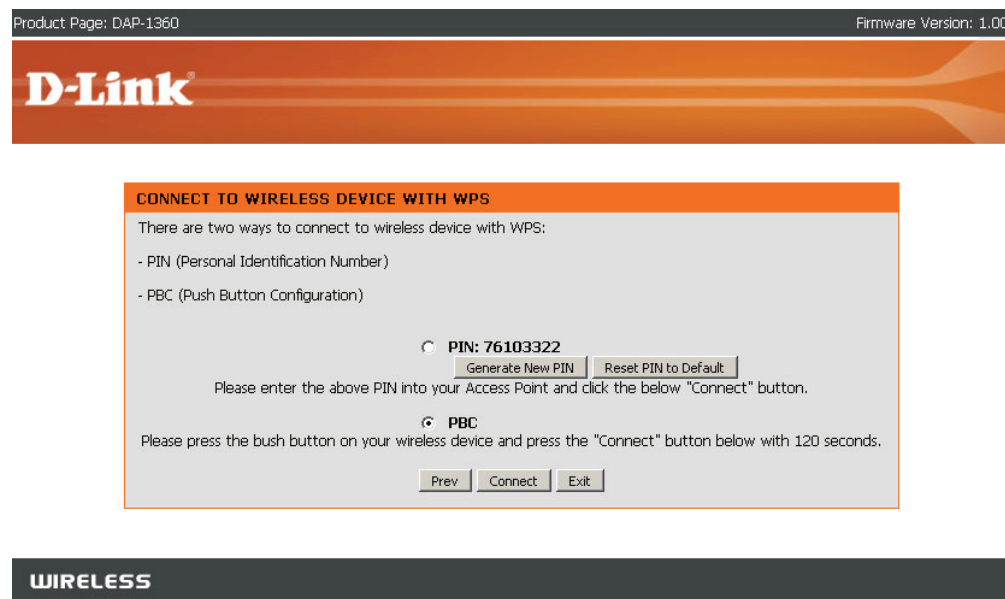
**WIRELESS**

Start WPS on the wireless device you are adding to you wireless network to complete the setup.



Select **PBC** to use the Push Button Configuration to connect to your network.

Click **Connect** to continue.

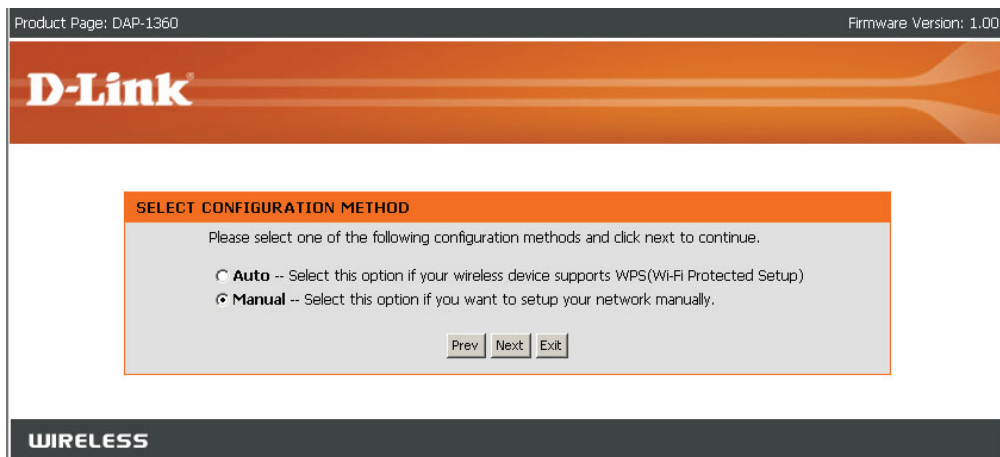


Press down the Push Button on the wireless device you are adding to your network to complete the setup.



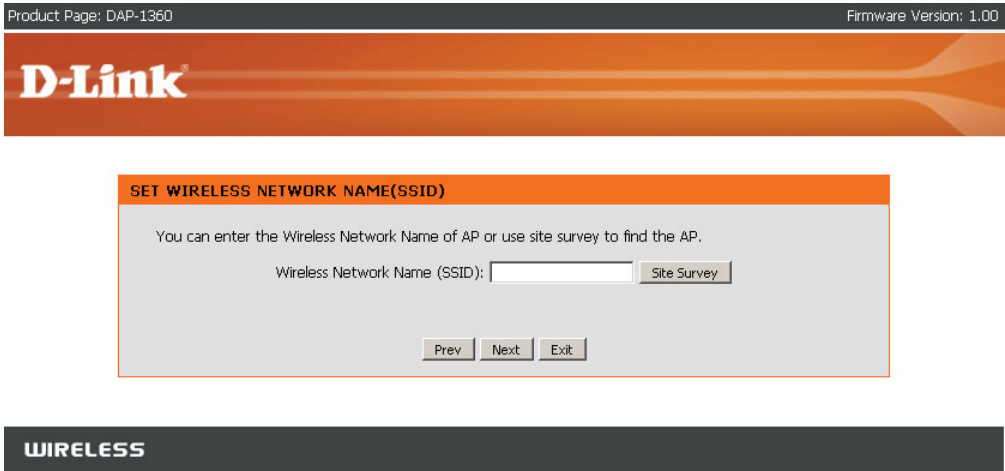
Select **Manual** configuration to setup your network manually.

Click **Next** to continue.



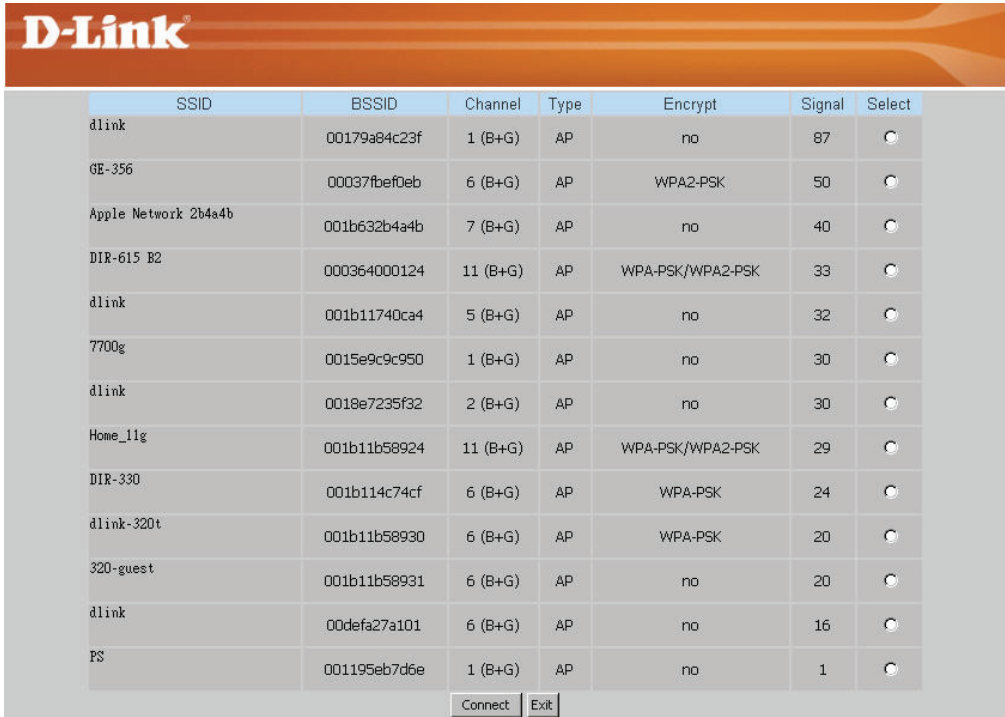
Enter the **Wireless Network Name** of the AP or use site survey to find the AP.

Click **Next** to continue.



If you clicked on Site Survey, the following screen will be displayed.

Find your access point from the list and click **Connect** to complete the Setup Wizard.





Choose which **Security Mode** you want to use and click **Next** to continue.



**SELECT WIRELESS SECURITY MODE**

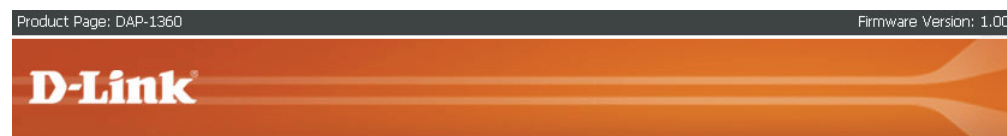
Please select the wireless security mode.

☒ None  
☐ WEP  
☐ WPA  
☐ WPA2

Prev Next Exit

**WIRELESS**

If you choose **WEP**, enter the wireless security password and click **Next** to complete the Setup Wizard.



**SET YOUR WIRELESS SECURITY PASSWORD**

Please enter the wireless security password to establish wireless connection.

Key Type: HEX  
Key Size: 128-Bit  
Wireless Security Password:

Prev Next Exit

**WIRELESS**

If you choose WPA, enter the **WPA Personal Passphrase** and click **Next** to complete the Setup Wizard.

Product Page: DAP-1360 Firmware Version: 1.00

**D-Link**

**SET YOUR WPA PERSONAL PASSPHRASE**

Please enter the WPA personal passphrase to establish wireless connection.

WPA Personal Passphrase:   
(8 to 63 characters)

Prev Next Exit

**WIRELESS**

If you choose WPA2, enter the **WPA2 Personal Passphrase** and click **Next** to complete the Setup Wizard.

Product Page: DAP-1360 Firmware Version: 1.00

**D-Link**

**SET YOUR WPA2 PERSONAL PASSPHRASE**

Please enter the WPA2 personal passphrase to establish wireless connection.

WPA2 Personal Passphrase:   
(8 to 63 characters)

Prev Next Exit

**WIRELESS**

The Wireless Setup Wizard is complete.

Click **Finish** to reboot the device.

Product Page: DAP-1360 Firmware Version: 1.00

**D-Link**

**CONNECT TO WIRELESS DEVICE**

The wireless setup wizard has completed

Finish

**WIRELESS**

## Add Wireless Devices With WPS

To add a windows device to your network using the Push Button Configuration Wi-Fi Protected Setup(WPS), follow these instructions:

Select **PIN** to use your PIN number from your wireless device to connect to your network.

For **PBC** configuration, skip to next page.

Click **Connect** to continue.

Product Page: DAP-1360 Firmware Version: 1.00

**D-Link**

**ADD WIRELESS DEVICE WITH WPS (WI-FI PROTECTED SETUP)**

There are two ways to add wireless device to your wireless network:

- PIN (Personal Identification Number)
- PBC (Push Button Configuration)

☒ **PIN:** 95661469

Please enter the PIN from your wireless device and click the below "Connect" button

☐ **PBC**

Please press the bush button on your wireless device and press the "Connect" button

**WIRELESS**

Start WPS on the wireless device you are adding to you wireless network to complete the setup.

Product Page: DAP-1360 Firmware Version: 1.00

**D-Link**

**USING PIN NUMBER**

Please start WPS on the wireless device you are adding to your wireless network within **118** seconds...

**WIRELESS**

Select **PBC** to use the Push Button Configuration to connect to your network.

Click **Connect** to continue.

Product Page: DAP-1360 Firmware Version: 1.00

**D-Link**

**ADD WIRELESS DEVICE WITH WPS (WI-FI PROTECTED SETUP)**

There are two ways to add wireless device to your wireless network:

- PIN (Personal Identification Number)
- PBC (Push Button Configuration)

☐ PIN: 95661469

Please enter the PIN from your wireless device and click the below "Connect" button

☒ **PBC**

Please press the push button on your wireless device and press the "Connect" button

**WIRELESS**

Press down the Push Button on the wireless device you are adding to your network to complete the setup.

Product Page: DAP-1360 Firmware Version: 1.00

**D-Link**

**VIRTUAL PUSH BUTTON**

Please press down the Push Button (physical or virtual) on the wireless device you are adding to your wireless network within 104 seconds...

**WIRELESS**

# Wireless Setup

## Access Point

In the AP mode, the DAP-1360 acts as a central connection point for any computer (client) that has an 802.11n or backward-compatible 802.11b/g wireless network adapter and is within range of the AP.

**Enable Wireless:** Select this to turn Wi-Fi on and off. Use the drop-down box to select if you want to use a schedule. Click Add New to add or change a schedule.

**Wireless Mode:** Select the wireless mode from Access Point, Wireless Client, Repeater, Bridge, Bridge with AP mode, WISP Client Router and WISP Repeater.

**Wireless Network Name (also called the SSID):** The Wireless Network Name is a unique name that identifies a network. All devices on a network must share the same wireless network name in order to communicate on the network. If you decide to change the wireless network name from the default setting, enter your new wireless network name in this field.

**Enable Auto Channel Scan:** Check the box to enable Auto Channel Scan. Enable this feature to auto-select the channel for the best wireless performance.

**Wireless Channel:** Auto channel selection is the default setting. First disable Auto Channel Scan (see below) and you will be able to select a wireless channel.

**802.11 Mode:** Select the appropriate 802.11 mode based on the wireless clients in your network. The drop-down menu options are **802.11g Only**, **Mixed 802.11b/g**, **802.11b Only**, **802.11n Only**, or **Mixed 802.11b/g/n**.

**WIRELESS NETWORK SETTINGS :**

Enable Wireless : ☒ Always

Wireless Mode : Access Point

Wireless Network Name : dlink26A2 (Also called the SSID)

Enable Auto Channel Scan : ☒

Wireless Channel : 6

802.11 Mode : Mixed 802.11n, 802.11g and 802.11b

Channel Width : Auto 20/40MHz

Transmission Rate : Auto

Enable Hidden Wireless : ☐ (Also called Disable SSID Broadcast)

**WIRELESS SECURITY MODE :**

Security Mode : Disable Wireless Security (not recommended)

**WIFI PROTECTED SETUP (ALSO CALLED WCN 2.0 IN WINDOWS VISTA) :**

Enable : ☒

Lock Wireless Security : ☒

Current PIN : 56262506

Wi-Fi Protected Status : Enabled/Configured

**Channel Width:** Select the appropriate channel width between **20MHz** or **Auto 20/40MHz** from the pull-down menu.

**Transmission Rate:** Select the transmission rate. It is strongly suggested to use the **Auto** setting for optimal performance.

**Enable Hidden Wireless:** Check the box if you do not want the SSID to be broadcast by the DAP-1360. This prevents the SSID from being seen by site survey utilities, so any wireless clients will have to be pre-configured with the SSID of the DAP-1360 in order to connect to it.

**Wireless Security Mode:** Select a wireless security setting. Options are **None**, **WEP**, **WPA**, **WPA2**, or **WPA2-Auto**. See P.75, **Wireless Security**, of this manual for a detailed explanation of the wireless security options.

**Wi-Fi Protected Setup:** Enable or disable the Wi-Fi protected setup feature.

**Lock Wireless Security:** Locking the wireless security prevents the settings from being changed by any new external registrar using its PIN. Devices can still be added to the wireless network using Wi-Fi Protected Setup. It is still possible to change wireless network settings with Manual Wireless Network Setup, Wireless Network Setup Wizard, or an existing external WLAN Manager Registrar.

**Current PIN:** Shows the current value of the access point's PIN.

**Generate New PIN:** Create a random number that is a valid PIN. This becomes the access point's PIN. You can then copy this PIN to the user interface of the registrar.

**Reset PIN to Default:** Restore the default PIN of the access point.

**Reset to Unconfigured:** Resets the Wi-Fi Protected Status to **Not Configured**. Vista WPS icon will only be displayed when the Wi-Fi Protected Status is **Not Configured**.

## Repeater

The Wireless Repeater mode extends the wireless coverage of another wireless AP or wireless router.

**Enable Wireless:** Select this to turn the Wi-Fi module on and off. Use the drop-down box to select if you want to use a schedule. Click **Add New** to add or change a schedule.

**Site Survey:** Click this button to choose the root AP from an available connection list.

**Wireless Network Name (also called the SSID):** The Wireless Network Name is a unique name that identifies a network. All devices on a network must share the same wireless network name in order to communicate on the network. If you decide to change the wireless network name from the default setting, enter your new wireless network name in this field.

**Wireless Channel:** The channel will follow the root AP. The channel used will be displayed.

**802.11 Mode:** Select the appropriate 802.11 mode based on the wireless clients in your network. The drop-down menu options are **802.11g Only**, **Mixed 802.11b/g**, **802.11b Only**, **802.11n Only**, or **Mixed 802.11b/g/n**.

**Channel Width:** Select the appropriate channel width between **20MHz** or **Auto 20/40MHz** from the pull-down menu.

**Transmission Rate:** Select the transmission rate. It is strongly suggested to use the **Auto** setting for optimal performance.

**Enable Hidden Wireless:** Check the box if you do not want the SSID to be broadcast by the DAP-1360. This prevents the SSID from being seen by site survey utilities, so any wireless clients will have to be pre-configured with the SSID of the DAP-1360 in order to connect to it.

**Wireless Security Mode:** Select a wireless security setting. Options are **None**, **WEP**, **WPA**, or **WPA2**. See P.75, **Wireless Security**, of this manual for a detailed explanation of the wireless security options.

**Wi-Fi Protected Setup:** Select enable if you want to configure 1360 with WPS.

**WIRELESS NETWORK SETTINGS :**

Enable Wireless : ☒ Always

Wireless Mode : Repeater

Wireless Network Name : dlink26A2 (Also called the SSID)

Enable Auto Channel Scan : ☒

Wireless Channel : 6

802.11 Mode : Mixed 802.11n, 802.11g and 802.11b

Channel Width : Auto 20/40MHz

Transmission Rate : Auto

Enable Hidden Wireless : ☐ (Also called Disable SSID Broadcast)

**WIRELESS SECURITY MODE :**

Security Mode : Disable Wireless Security (not recommended)

**WIFI PROTECTED SETUP (ALSO CALLED WCN 2.0 IN WINDOWS VISTA) :**

Enable : ☒



## Wireless Client

In the Wireless Client mode, the DAP-1360 acts as a wireless network adapter for your Ethernet-enabled device (such as a game console or a TV set-top box).

**Enable Wireless:** Select this to turn the Wi-Fi module on and off. Use the drop-down box to select if you want to use a schedule. Click **Add New** to add or change a schedule.

**Wireless Type:** Select Infrastructure if you only connect your DAP-1360 to other wireless clients (as such wireless PCs). Select Ad-Hoc if you connect your DAP-1360 to another DAP-1360 operating in the Ad-Hoc mode.

**Wireless Network Name (also called the SSID):** You can input the wireless network name of the root AP or click the **Site Survey** button to find the root AP.

**Site Survey:** Click this button to choose the root AP from an available connection list.

**Wireless Channel:** The channel used will be displayed. The channel will follow the root AP.

**802.11 Mode:** Select the appropriate 802.11 mode based on the wireless clients in your network. The drop-down menu options are **802.11g Only**, **Mixed 802.11b/g**, **802.11b Only**, **802.11n Only**, or **Mixed 802.11b/g/n**.

**Channel Width:** Select the appropriate channel width between **20MHz** or **Auto 20/40MHz** from the pull-down menu.

**Transmission Rate:** Select the transmission rate. It is strongly suggested to use the **Auto** setting for optimal performance.

**Wireless MAC Clone:** If you disable this option, your DAP-1360 will fill the source MAC address field of all packets that it forwards with its own MAC address. If you enable this option, manually type in a different source MAC address for the DAP-1360 to use in all packets that it forwards.

**Wireless Security Mode:** Select a wireless security setting. Options are **None**, **WEP**, **WPA**, or **WPA2**. See P.75, **Wireless Security**, of this manual for a detailed explanation of the wireless security options.

**Wi-Fi Protected Setup:** Select enable if you want to configure 1360 with WPS.

**WIRELESS NETWORK SETTINGS :**

Enable Wireless : ☒ Always   
Wireless Mode : Wireless Client   
Wireless Type : Infrastructure  
Wireless Network Name : dlink (Also called the SSID)  
Enable Auto Channel Scan : ☒  
Wireless Channel : 6  
802.11 Mode : Mixed 802.11n, 802.11g and 802.11b  
Channel Width : Auto 20/40MHz  
Transmission Rate : Auto  
Enable Hidden Wireless : ☐ (Also called Disable SSID Broadcast)

**WIRELESS MAC CLONE :**

Enable : ☐  
MAC Source : Auto  
MAC Address :   
  
MAC Address :

**WIRELESS SECURITY MODE :**

Security Mode : Disable Wireless Security (not recommended)

**WIFI PROTECTED SETUP (ALSO CALLED WCN 2.0 IN WINDOWS VISTA) :**

Enable : ☐

## Bridge

The Bridge mode connects 2 LANs together.

**Enable Wireless:** Select this to turn the Wi-Fi module on and off. Use the drop-down box to select if you want to use a schedule. Click **Add New** to add or change a schedule.

**Wireless Network Name (also called the SSID):** The Wireless Network Name is a unique name that identifies a network. All devices on a network must share the same wireless network name in order to communicate on the network. If you decide to change the wireless network name from the default setting, enter your new wireless network name in this field.

**Wireless Channel:** All devices on the network must share the same channel.

**802.11 Mode:** Select the appropriate 802.11 mode based on the wireless clients in your network. The drop-down menu options are **802.11g Only**, **Mixed 802.11b/g**, **802.11b Only**, **802.11n Only**, or **Mixed 802.11b/g/n**.

**Channel Width:** Select the appropriate channel width between **20MHz** or **Auto 20/40MHz** from the pull-down menu.

**Transmission Rate:** Select the transmission rate. It is strongly suggested to use the **Auto** setting for optimal performance.

**Remote AP MAC:** Enter the MAC addresses of the APs in your network that will serve as bridges to wirelessly connect multiple networks.

**Bridge Security:** Select **None** to disable encryption to across the network. Select **WEP 64bits** or **WEP 128bits** to limit communication to only those devices that share the same WEP settings. Select **WPA-PSK** or **WPA2-PSK** to secure your network using a password and dynamic key changes (No RADIUS server required).

**Note:** The Bridge mode is not completely specified in the Wi-Fi or IEEE standards. This mode can work with other DAP-1360 units. Communication with other APs (even other D-Link APs) is not guaranteed.

**WIRELESS NETWORK SETTINGS :**

Enable Wireless : ☒ Always

Wireless Mode : Bridge

Wireless Network Name : dlink26A2 (Also called the SSID)

Enable Auto Channel Scan : ☐

Wireless Channel : 6

802.11 Mode : Mixed 802.11n, 802.11g and 802.11b

Channel Width : Auto 20/40MHz

Transmission Rate : Auto

Enable Hidden Wireless : ☐ (Also called Disable SSID Broadcast)

**BRIDGE SETTING :**

Remote AP Mac: 1.  2.   
3.  4.   
5.  6.   
7.  8.

Bridge Security: none

WEP Key: ASCII

Passphrase:  (8~63 char.)

## Bridge with AP

The Bridge with AP mode connects 2 LANs, while still functioning as a wireless AP for local wireless clients.

**Enable Wireless:** Select this to turn the Wi-Fi module on and off. Use the drop-down box to select if you want to use a schedule. Click **Add New** to add or change a schedule.

**Wireless Network Name (also called the SSID):** The Wireless Network Name is a unique name that identifies a network. All devices on a network must share the same wireless network name in order to communicate on the network. If you decide to change the wireless network name from the default setting, enter your new wireless network name in this field.

**Wireless Channel:** Input a new number if you want to change the default setting. All devices on the network must be set to the same channel to communicate on the network.

**802.11 Mode:** Select the appropriate 802.11 mode based on the wireless clients in your network. The drop-down menu options are **802.11g Only**, **Mixed 802.11b/g**, **802.11b Only**, **802.11n Only**, or **Mixed 802.11b/g/n**.

**Channel Width:** Select the appropriate channel width between **20MHz** or **Auto 20/40MHz** from the pull-down menu.

**Transmission Rate:** Select the transmission rate. It is strongly suggested to use the **Auto** setting for optimal performance.

**Enable Hidden Wireless:** Check the box if you do not want the SSID to be broadcast by the DAP-1360. This prevents the SSID from being seen by Site Survey utilities, so any wireless clients will have to be pre-configured with the SSID of the DAP-1360 in order to connect to it.

**Wireless Security Mode:** Select a wireless security setting. Options are **None**, **WEP**, **WPA**, **WPA2**, or **WPA2-Auto**. See p.34 of this manual for a detailed explanation of the wireless security options.

**Remote AP MAC:** Enter the MAC addresses of the APs in your network that will serve as bridges to wirelessly connect multiple networks.

**Bridge Security:** Select **None** to disable encryption to across the network. Select **WEP 64bits** or **WEP 128bits** to limit communication to only those devices that share the same WEP settings. Select **WPA-PSK** or **WPA2-PSK** to secure your network using a password and dynamic key changes (no RADIUS server required).

**Note:** The Bridge with AP mode is not completely specified in the Wi-Fi or IEEE standards. This mode can work with other DAP-1360 units. Communication with other APs (even other D-Link APs) is not guaranteed.

**WIRELESS NETWORK SETTINGS :**

Enable Wireless : ☒ Always

Wireless Mode : Bridge with AP

Wireless Network Name : dlink26A2 (Also called the SSID)

Enable Auto Channel Scan : ☐

Wireless Channel : 6

802.11 Mode : Mixed 802.11n, 802.11g and 802.11b

Channel Width : Auto 20/40MHz

Transmission Rate : Auto

Enable Hidden Wireless : ☐ (Also called Disable SSID Broadcast)

**WIRELESS SECURITY MODE :**

Security Mode : Disable Wireless Security (not recommended)

**BRIDGE SETTING :**

Remote AP Mac: 1. 2.

3. 4.

5. 6.

7. 8.

Bridge Security: none

WEP Key: ASCII

Passphrase: (8~63 char.)

## WISP Client Router and WISP Repeater

In the WISP Router Client mode, the DAP-1360 wirelessly connects to a WISP (Wireless Internet Service Provider) AP. In this mode, the DAP-1360 also acts as a router for wired clients on your LAN and provides NAT (Network Address Translation) and a DHCP server to generate IP addresses for wired clients. NAT and the DHCP server allow many computers to share the same wireless Internet connection.

WISP Repeater wireless mode acts the same as WISP Client Router wireless mode, with the addition of a wireless signal for any wireless clients on the LAN.

**Enable Wireless:** Select this to turn the Wi-Fi module on and off. Use the drop-down box to select if you want to use a schedule. Click **Add New** to add or change a schedule.

**Wireless Network Name:** You can input the wireless network name of the root AP or click the **Site Survey** button to find the root AP.

**Site Survey:** Click this button to choose the root AP from an available connection list. If the root AP has wireless encryption, you have to use the same wireless security mode to connect the root AP.

**Wireless Channel:** The channel used will be displayed. The channel will follow the root AP.

**802.11 Mode:** Select the appropriate 802.11 mode based on the wireless clients in your network. The drop-down menu options are **802.11g Only**, **Mixed 802.11b/g**, **802.11b Only**, **802.11n Only**, or **Mixed 802.11b/g/n**.

**Channel Width:** Select the appropriate channel width between **20MHz** or **Auto 20/40MHz** from the pull-down menu.

**Transmission Rate:** Select the transmission rate. It is strongly suggested to use the **Auto** setting for optimal performance.

**Enable Hidden Wireless:** This option is unavailable in WISP Client Router and available in the WISP Repeater mode.

**Wireless Security Mode:** Select a wireless security setting. Options are **None**, **WEP**, **WPA**, or **WPA2**. See P.75, **Wireless Security**, of this manual for a detailed explanation of the wireless security options.

**WIRELESS NETWORK SETTINGS :**

Enable Wireless : ☒ Always

Wireless Mode : WISP Client Router

Wireless Network Name : dlink26A2 (Also called the SSID)

Enable Auto Channel Scan : ☒

Wireless Channel : 6

802.11 Mode : Mixed 802.11n, 802.11g and 802.11b

Channel Width : Auto 20/40MHz

Transmission Rate : Auto

Enable Hidden Wireless : ☐ (Also called Disable SSID Broadcast)

**WIRELESS SECURITY MODE :**

Security Mode : Disable Wireless Security (not recommended)

**WAN SETTINGS :**

This page is used to configure the parameters for Internet network which connects to the WAN port of your Access Point. Here you may change the access method to static IP, DHCP, PPPoE or PPTP by click the item value of WAN Access type.

My Internet Connection is: Dynamic IP(DHCP)

Host Name: dlinkap

MTU Size: 1500 (bytes) MTU default = 1500

☒ Attain DNS Automatically

☐ Set DNS Manually

Clone MAC Address: 000000000000

## WAN Settings

### Dynamic IP (DHCP)

WAN settings are only used in the WISP Client Router wireless mode and the WISP Repeater wireless mode. Choose Dynamic IP(DHCP) to obtain IP Address information automatically from your ISP. Select this option if your ISP does not give you any IP number to use. This option is commonly used for Cable modem services.

**Host Name:** The Host Name is optional but may be required by some ISPs.

**MTU Size:** You may need to change the MTU (Maximum Transmission Unit) for optimal performance with your specific ISP. The default MTU size is 1500.

**Attain DNS automatically:** Select this option if you want the DAP-1360 to get the DNS (Domain Name System) server IP address automatically.

**Set DNS manually:** Select this option if you want to manually enter the DNS Server IP address(es). The fields to enter the Primary and Secondary DNS server IP addresses will appear after you have selected this option.

**Primary/ Secondary DNS Server:** Enter the Primary and Secondary DNS server IP address assigned by your ISP.

**Clone MAC address:** The default MAC address is set to the Ethernet MAC address your DAP-1360. You can click the **Clone Your PC's MAC Address** button to replace the AP's MAC address with the MAC address of the PC that you used to register with your ISP. It is not recommended that you change the default MAC address unless required by your ISP.

**WAN SETTINGS :**

This page is used to configure the parameters for Internet network which connects to the WAN port of your Access Point. Here you may change the access method to static IP, DHCP, PPPoE or PPTP by click the item value of WAN Access type.

My Internet Connection is:

Host Name:

MTU Size:  (bytes) MTU default = 1500

☒ Attain DNS Automatically

☐ Set DNS Manually

Clone MAC Address:



## Static IP

Select Static IP if all WAN IP information is provided to you by your ISP. You will need to enter in the IP address, subnet mask, gateway address, and DNS address(es) provided to you by your ISP.

**IP Address:** 192.168.1.1 is the default WAN IP Address of the DAP-1360.

**Subnet Mask:** 255.255.255.0 is the default subnet mask. All devices on the network must have the same subnet mask to communicate on the network.

**Default Gateway:** Enter the IP Address of the gateway in your network. The default setting is 192.168.1.254.

**MTU Size:** You may need to change the MTU (Maximum Transmission Unit) for optimal performance with your specific ISP. The default MTU size is 1500.

**Primary/ Secondary DNS Server:** Enter the Primary and Secondary DNS (Domain Name System) server IP address assigned by your ISP.

**Secondary DNS Server:** This is optional.

**Clone MAC address:** The default MAC address is set to the MAC address on the AP (Access Point). You can click the **Clone Your PC's MAC Address** button to replace the AP's MAC address with the MAC address of your Ethernet card. It is not recommended that you change the default MAC address unless required by your ISP.

**WAN SETTINGS :**  

This page is used to configure the parameters for Internet network which connects to the WAN port of your Access Point. Here you may change the access method to static IP, DHCP, PPPoE or PPTP by click the item value of WAN Access type.

My Internet Connection is: Static IP

IP Address:

Subnet Mask:

Default Gateway:

MTU Size:  (bytes) MTU default = 1500

Primary DNS Server:

Secondary DNS Server:

Clone MAC Address:

## PPPoE

Choose PPPoE (Point-to-Point Protocol over Ethernet) if your ISP uses a PPPoE connection. Your ISP will provide you with a username and password. This option is typically used for DSL services. Make sure to remove your PPPoE software from your computer. The software is no longer needed and will not work through the DAP-1360.

**User Name:** Enter your PPPoE user name.

**Password:** Enter your PPPoE password and then retype the password in the next box.

**Service Name:** Enter the ISP Service Name (optional).

**Reconnection Type:** Select **Always on**, **On demand**, or **Manual**.

**Maximum Idle time:** Enter a maximum idle time during which the Internet connection is maintained during inactivity.

**MTU Size:** You may need to change the MTU (Maximum Transmission Unit) for optimal performance with your specific ISP. The default MTU size is 1492.

**Attain DNS Automatically:** Select this option if you want the DAP-1360 to get the DNS (Domain Name System) server IP address automatically.

**Set DNS Manually:** Select this option if you want to manually enter the DNS Server IP address(es). Fields to enter the Primary and Secondary DNS server IP addresses will appear after you select this option.

**Primary/ Secondary DNS Server:** Enter the Primary and Secondary DNS server IP address assigned by your ISP.

**Clone MAC Address:** The default MAC address is set to the MAC address on the AP (Access Point). You can click the **Clone Your PC's MAC Address** button to replace the AP's MAC address with the MAC address of your Ethernet card. It is not recommended that you change the default MAC address unless required by your ISP.

**WAN SETTINGS :**

This page is used to configure the parameters for Internet network which connects to the WAN port of your Access Point. Here you may change the access method to static IP, DHCP, PPPoE or PPTP by click the item value of WAN Access type.

My Internet Connection is: PPPoE(Username / Password) ▼

Username:

Password:

Verify Password:

Service Name:  (optional)

Reconnection Type: Always on ▼ Connect Disconnect

Maximum Idle Time:  (1-1000 minutes)

MTU Size:  (bytes) MTU default = 1492

☐ Attain DNS Automatically

☒ Set DNS Manually

Primary DNS Server:

Secondary DNS Server:

Clone MAC Address:  Clone Your PC's MAC Address

## PPTP

Choose PPTP (Point-to-Point Tunneling Protocol) if your ISP uses a PPTP connection. Your ISP will provide you with a username and password. This option is typically used for DSL services.

**PPTP IP Address:** Enter the IP address (Static PPTP only).

**PPTP Subnet Mask:** Enter the subnet mask.

**PPTP Server IP Address:** Enter the Server IP Address provided by your ISP.

**Username:** Enter your PPTP account name.

**Password:** Enter your PPTP password and then retype the password in the next box.

**MTU Size:** You may need to change the MTU (Maximum Transmission Unit) for optimal performance with your specific ISP. The default MTU size is 1400.

**Attain DNS automatically:** Select this option if you want the DAP-1360 get DNS server IP address automatically.

**Set DNS Manually:** Select this option if you want to manually enter the DNS Server IP address(es). Fields to enter the Primary and Secondary DNS server IP addresses will appear after you select this option.

**Primary/ Secondary DNS Server:** Enter the Primary and Secondary DNS (Domain Name System) server IP address assigned by your ISP.

**Clone MAC address:** The default MAC address is set to the MAC address on the AP (Access Point). You can click the **Clone Your PC's MAC Address** button to replace the AP's MAC address with the MAC address of your Ethernet card. It is not recommended that you change the default MAC address unless required by your ISP.

WAN SETTINGS :

This page is used to configure the parameters for Internet network which connects to the WAN port of your Access Point. Here you may change the access method to static IP, DHCP, PPPoE or PPTP by click the item value of WAN Access type.

My Internet Connection is: PPTP(Username / Password) ▼

PPTP IP Address: 0.0.0.0

PPTP Subnet Mask: 0.0.0.0

PPTP Server IP Address: 0.0.0.0

Username:

Password:

Verify Password:

MTU Size: 1400 (bytes) MTU default = 1400

☒ Attain DNS Automatically
 ☐ Set DNS Manually

Clone MAC Address: 000000000000

Clone Your PC's MAC Address

D-Link DAP-1360 User Manual

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## LAN Setup

The LAN (Local Area Network) is your private, internal network. This page allows you to configure the IP settings of the LAN interface for the DAP-1360. The IP address can be changed to your current network IP range. This IP address cannot be seen from the Internet.

Product Page: DAP-1360

Firmware Version: 1.00

DAP-1360	SETUP	ADVANCED	MAINTENANCE	STATUS	SUPPORT
----------	-------	----------	-------------	--------	---------

WIZARD  
WIRELESS SETUP  
LAN SETUP  
LOGOUT  
  
Reboot

**NETWORK SETTINGS :**  
Use this section to configure the internal network settings of your AP and also to configure the built-in DHCP Server to assign IP addresses to the computers on your network. The IP Address that is configured here is the IP Address that you use to access the Web-based management interface. If you change the IP Address here, you may need to adjust your PC's network settings to access the network again.  

Save Settings
Don't Save Settings

**LAN CONNECTION TYPE :**  
Choose the mode to be used by the Access Point.  
My LAN Connection is : Dynamic IP(DHCP)

**DYNAMIC IP (DHCP) LAN CONNECTION TYPE :**  
IP Address Information.  

IP Address : 192.168.0.50  
Subnet Mask : 255.255.255.0  
Gateway Address : 0.0.0.0

**DEVICE NAME (NETBIOS NAME) :**  
Device Name : dlinkap

**Helpful Hints..**  
**LAN Settings:**  
**LAN Connection type:**  
The factory default setting is "Static IP" which allows the IP address of the DAP-1360 to be manually configured in accordance to the applied local area network. Enable Dynamic (DHCP) to allow the DHCP host to automatically assign the Access Point an IP address that conforms to the applied local area network.  
**IP Address:**  
The default IP address is 192.168.0.50. It can be modified to conform to an existing local area network. Please note that the IP address of each device in the wireless local area network must be within the same IP address range and subnet mask. Take default DAP-1360 IP address as an example, each station associated to the AP must be configured with a unique IP address falling in the

## LAN Settings

**My LAN Connection is:** The DAP-1360 is set to Static IP by default. Select this option if you do not have a DHCP server on your network, or if you wish to assign a static IP address to the DAP-1360.

**Static IP:** Select this option if you are manually assigning an IP Address.

**Dynamic IP:** Select this option if you would like to have an IP Address automatically assigned to the DAP-1360 by a DHCP server in your network.

**IP Address:** Enter the IP address of the access point.

**Subnet Mask:** Enter the subnet mask of your access point.

**Gateway address:** Enter the IP Address of the router in your network.

**Device Name(NetBIOS Name):** This allows you to configure this device more easily when your network using TCP/IP protocol. You can enter the device name of the AP into your web browser to access the instead of ip address for configuration.If you are using the device name to connect, ensure that your PC and your DAP-1360 are on the same network.

**Enable DHCP Server:** Select this to enable the DHCP server if static IP address is selected.

**DHCP IP Address Range:** Enter the starting and ending IP addresses for the DHCP server's IP assignment.

**Lease Time:** Enter the length of time for the IP address lease.

**LAN CONNECTION TYPE :**  
 Choose the mode to be used by the Access Point.  
 My LAN Connection is :

**STATIC IP ADDRESS LAN CONNECTION TYPE :**  
 Enter the static address information.  
 IP Address :   
 Subnet Mask :   
 Gateway Address :

**DEVICE NAME (NETBIOS NAME) :**  
 Device Name :

**DHCP SERVER SETTINGS :**  
 Use this section to configure the built-in DHCP Server to assign IP addresses to the computers on your network.  
 Enable DHCP Server : ☐  
 DHCP IP Address Range :  to   
 (addresses within the LAN subnet)  
 DHCP Lease Time :

## Advanced Advanced Wireless

**Transmit Power:** Choose **100%**, **50%**(-3dB), **25%** (-6dB), or **12.5%** (-9dB).

**Beacon Period:** Beacons are packets sent by an access point to synchronize a wireless network. Specify a beacon interval value. The default value 100 is recommended.

**RTS Threshold:** This value should remain at its default setting of 2,432. If you encounter inconsistent data flow, only minor modifications to the value range between 256 and 2,432 are recommended.

**Fragmentation Threshold:** This value should remain at its default setting of 2,346. If you experience a high packet error rate, you may slightly decrease your fragmentation threshold within the value range of 256 to 2,346. Setting the fragmentation threshold too low may result in poor performance.

**DTIM Interval (Beacon Rate):** A DTIM (Delivery Traffic Indication Message) is a countdown informing clients of the next window for listening to broadcast and multicast messages. The default value is 3 and the possible range of values is between 1 and 255.

**Preamble Type:** Select Short or Long Preamble. The default setting is Long Preamble. The Preamble defines the length of the CRC block (Cyclic Redundancy Check is a common technique for detecting data transmission errors) for communication between the access point and roaming wireless network adapters. **Note:** High network traffic areas should use the short preamble type.

**WMM:** WMM (Wi-Fi Multimedia) is only available in the Access Point and Wireless Client Mode. WMM provides basic QoS (Quality of Service) functions for wireless networks. WMM prioritizes traffic based on 4 AC (Access Categories) : voice, video, best effort, and background. However, WMM does not provide guaranteed throughput. The QoS (WMM) is mandatory in 11n mode, you can disable this feature when select 11g or 11b mode.

**Enable Multicast Streams:** Use this function to enable IGMP Snooping for your wireless connection. This function will enhance your network performance when you use multicast services such as video conferencing and video/audio streaming. This setting is enabled by default and cannot be changed in the DAP-1360's current firmware version.

**ADVANCED WIRELESS SETTINGS :**

Transmit Power :

Beacon Period :  (msec, range:20~1024, default:100)

RTS Threshold :  (range: 256~2347, default:2347)

Fragmentation Threshold :  (range: 256~2346, default:2346, even number only)

DTIM Interval :  (range: 1~255, default:3)

Preamble Type : ☒ Long Preamble ☐ Short Preamble

WMM Enable : ☒

Enable Multicast Streams : ☐

# Access Control

Use MAC Filters to allow or deny wireless clients, by their MAC addresses, from accessing the DAP-1360. You can manually add a MAC address or select the MAC address from the list of clients that are currently connected to the AP (Connected PCs). The default setting is Disable MAC Filters.

- Access Control:** Access control is set to **Disable** by default. Select **Reject** to deny access to the AP. Select **Accept** to allow access to the AP.
- MAC Address:** Enter the MAC address of the client that you want to allow or deny access to the AP.
- Connected PCs:** Select the MAC address of a computer from the drop-down menu and click **Clone** to fill in the MAC Address field with that computer.
- MAC Filter List:** This list will display the MAC addresses that are in the selected filter.

WIRELESS ACCESS SETTINGS

Use the client's **MAC Address** to authorize network access through the Access Point.

Access Control : 

Disable

MAC Address :  :  :  :  :  : 

Clear

Connected PCs : 

Clone

MAC FILTER LIST

MAC Address	Edit	Del
-------------	------	-----

# User Limit

The D-Link DAP-1360 can set a limit upon the number of wireless clients. Using user limit, you can prevent scenarios where the DAP-1360 in your network shows performance degradation because it is handling heavy wireless traffic.

**Enable User Limit:** Click this to enable the User Limit options on this page.

**User Limit (1 - 32):** Type the maximum number of wireless connections that can be made to the AP.

USER LIMIT SETTINGS

Enable User Limit :

☐

User Limit (1 - 32) :

## Port Forwarding

This function is available if your DAP-1360 is in the WISP Client Router or WISP Repeater mode. This feature allows you to open a single port or a range of ports. Click **Save Settings** and the port forwarding rule will be put into the **Port Forwarding List**.

**Port Forwarding Rules:** Check the box to configure a port forwarding rule.

**Name:** Enter a name for the rule. You can select an application name from the **Application Name** drop-down menu. Click the << button to fill in the Name field with the application name that you selected.

**IP Address:** Enter the IP address of the computer on your local network that you want to allow the incoming service to.

**Start Port/End Port:** Enter the port or ports that you want to open. If you want to open one port, enter the same port in both boxes.

**Traffic Type:** Select **TCP**, **UDP**, or **Both**.

### PORT FORWARDING RULES

Entries in this table allow you to automatically redirect common network services to a specific machine behind the NAT firewall. These settings are only necessary if you wish to host some sort of server like a web server or mail server on the private local network behind your Gateway's NAT firewall.

	Name	IP Address	Port	Traffic Type
<input type="checkbox"/>	<input type="text"/> << Application Name	<input type="text"/> << Computer Name	Start <input type="text"/> End <input type="text"/>	Both

### PORT FORWARD LIST

Current Port Forwarding Table:

Name	IP Address	Protocol	Port Range	Select
Delete Selected Delete All Reset				

## Port Filter

This function is available if the DAP-1360 is in WISP Client Router or WISP Repeater mode. This feature is used to secure or restrict your local network. It will deny the ports that you enter from the local network to the Internet. Click **Save Settings** and the port filter rule will be put into the Port Filter List.

**Port Filter Rules:** Check the box to configure a port filter rule.

**Name:** Enter a name for the rule. You can select an application name from the **Application Name** drop-down menu. Click the << button to fill in the Name field with the application name that you selected.

**Start Port/End Port:** Enter the port or ports that you want to open. If you want to open one port, enter the same port in both boxes.

**Traffic Type:** Select **TCP**, **UDP**, or **Both**.

### PORT FILTER RULES

Entries in this table are used to restrict certain types of data packets from your local network to Internet through the Gateway. Use of such filters can be helpful in securing or restricting your local network.

	Name	Application Name	Port	Traffic Type
<input type="checkbox"/>	<input type="text"/>	<< <input type="text" value="Application Name"/>	<div>Start <input type="text"/></div> <div>End <input type="text"/></div>	Both <input type="text"/>

### PORT FILTER LIST

**Current Port Filter Table:**

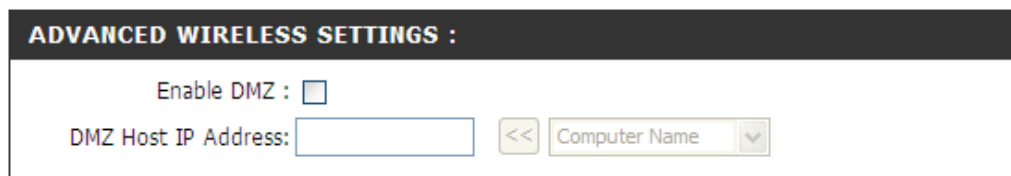
Name	Port Range	Protocol	Select
<div> <input type="button" value="Delete Selected"/> <input type="button" value="Delete All"/> <input type="button" value="Reset"/> </div>			

## DMZ

This function is available only if the DAP-1360 is in the WISP Client Router or WISP Repeater mode. This feature allows you to set up a DMZ (Demilitarized Zone) host. If you have a client PC that cannot run Internet applications properly from behind the DAP-1360, then you can set the client up for unrestricted Internet access. The DMZ allows a computer to be exposed to the Internet. This feature is useful for gaming purposes. Enter the IP address of the computer that will be the DMZ host. Adding a client to the DMZ may expose your local network to a variety of security risks, so only use this option as a last resort.

**Enable DMZ:** Check this box to enable DMZ.

**DMZ Host IP Address:** Enter the IP address of the computer you would like to open all ports to. You can select a computer from the **Computer Name** drop-down menu and click << to enter the computer name into the DMZ Host IP Address field.



The screenshot shows the 'ADVANCED WIRELESS SETTINGS' section of the web interface. It contains two main controls: 'Enable DMZ' with an unchecked checkbox, and 'DMZ Host IP Address' which consists of a text input field, a '<<' button, and a 'Computer Name' dropdown menu.

ADVANCED WIRELESS SETTINGS :		
Enable DMZ :	<input type="checkbox"/>	
DMZ Host IP Address:	<input type="text"/>	<< Computer Name <input type="button" value="v"/>



## Parental Control

This function is available only if the DAP-1360 is in the WISP Client Router or WISP Repeater mode. This feature allows you to create a list of websites that you want to deny users access.

**Configure Website Filtering below:** Select **Turn Website Filtering OFF** or **Turn Website Filtering ON and DENY computers access to ONLY these sites**.

**Website URL Address:** Enter a keyword or URL that you want to block and click **Save Settings**. Any URL that contains the keyword will be blocked.

**PARENTAL CONTROL :**

The Parental Control allows you to set-up a list of Websites that the users on your network will either be allowed or denied access to.

**WEBSITE FILTERING RULES**

URL filter is used to deny LAN users from accessing the internet. Block those URLs which contain keywords listed below.

Configure Website Filtering below:

Website URL Address or keyword

Website URL Address or keyword	
<input type="text"/>	

**WEB FILTER LIST**

**Current Filter Table:**

URL Address or keyword	Select
<div><input type="button" value="Delete Selected"/> <input type="button" value="Delete All"/> <input type="button" value="Reset"/></div>	

## Advanced Network

This function is available if the DAP-1360 is in WISP Client Router or WISP Repeater mode. This feature allows you to change the LAN settings. Please be aware that any changes to the factory default settings may affect the behavior of your network.

**Enable UPnP:** Check this box to use the Universal Plug and Play (UPnP™) feature. UPnP provides compatibility with networking equipment, software and peripherals.

**Enable WAN Ping Respond:** Check this box to allow the WAN port of the DAP-1360 to be pinged. Unchecking the box will not allow the DAP-1360 to respond to pings. Blocking ping response may provide some extra security from intruders.

**Remote Management:** Remote management allows the DAP-1360 to be configured from the Internet by a web browser. A username and password are still required to access the Web-Management interface. In general, only a member of your network can browse the built-in web pages to perform Administrator tasks. This feature enables you to perform Administrator tasks from the remote (Internet) host.

<b>UPNP :</b>
Universal plug and Play (UPnP) supports peer-to-peer Plug and Play functionality for network devices.
Enable UPnP: <input type="checkbox"/>

<b>WAN PING :</b>
If you enable this feature, the WAN port of your DAP-1360 will respond to ping requests from the Internet that are sent to the WAN IP Address.
Enable WAN Ping Respond: <input type="checkbox"/>

<b>REMOTE MANAGEMENT :</b>
If you enable this feature, you can manage the DAP-1360 from anywhere on the Internet.
Enable Remote Management: <input type="checkbox"/>

## Maintenance Device Administration

**New Password:** Enter a new password.

**Confirm Password:** Re-enter the password to confirm it.

**PASSWORD :**

New Password :

Confirm Password :

## Save and Restore

**Save Settings To Local Hard Drive:** Click **Save** to save the current system settings as a file onto your local hard drive.

**Load Settings From Local Hard Drive:** To load a system settings file, click on **Browse** to browse the local hard drive and locate the system settings file to be used. Click **Upload Settings** when you have selected the file to be loaded back onto the access point.

**Restore To Factory Default Settings:** You can reset the DAP-1360 back to the factory default settings by clicking on **Restore Device**. Make sure to save the current system settings before clicking on **Restore Device**. You will lose your current system settings after you click **Restore Device**.

### SAVE AND RESTORE :

The current system settings can be saved as a file onto the local hard drive. You can upload any saved settings file that was created by the DAP-1360.

### SAVE AND RESTORE :

Save Settings To Local Hard Drive :

Load Settings From Local Hard Drive :

Restore To Factory Default Settings :

## Firmware

This feature is used to update the firmware of the DAP-1360. The current firmware version and firmware date are displayed here. Please check the D-Link support site for firmware or language package updates at <http://support.dlink.com.tw>.

**Click here to check for an update on our support site:**

Click this link and you will be connected to D-Link's support website where you can download the latest firmware version to your local hard drive.

**Current Firmware Info:**

To update the firmware, click on **Browse** to browse the local hard drive and locate the updated firmware file. Click the **Upload** button after you have selected the updated firmware file.

**Language Package Information:**

To change the web configurator language, click on **Browse** to browse locate the language package upgrade file and click the **Upload** button.

### FIRMWARE UPDATE :

There may be new firmware for your DAP-1360 to improve functionality and performance. [Click here to check for an upgrade on our support site.](#)

After you have download the new firmware file from our support site, click the Browse button below to find the firmware file on your local hard drive. Click the Save Settings button to update the firmware on the DAP-1360.

**Do not update firmware through wireless network!!**

### FIRMWARE INFORMATION :

Current Firmware Version : 1.00

Current Firmware Date : Mon, 19 Jan 2009

### FIRMWARE UPGRADE

**Note: Some firmware upgrades reset the configuration options to the factory defaults. Before performing an upgrade, be sure to save the current configuration from the [Maintenance -> Admin](#) screen.**

To upgrade the firmware, your PC must have a wired connection to the access point. Enter the name of the firmware upgrade file, and click on the Upload button.

Upload :

### LANGUAGE PACKAGE INFORMATION

**Note: Update language package will make changes language display on web page. Before performing an upgrade, be sure to do it!**

To upgrade the language package, your PC must have a wired connection to the access point. Enter the name of the language package upgrade file, and click on the Upload button.

Upload :

## Watchdog (Ping of Life)

The Watchdog feature pings a specified IP address. If the IP address stops responding to pings, your AP will be rebooted. You can also select an option to have the DAP-1360 send an e-mail alert if the specified IP address stops responding to pings.

**Enable Watchdog (Ping of Life):** Check this box to enable the Watchdog (Ping of Life) to check some host IP.

**Update Time Interval:** Enter the time interval of how often you would like the Watchdog to ping the response IP address.

**Watchdog Response IP:** Enter the IP address that the Watchdog will ping.

**Enable Mail Alert:** Check this box to enable e-mail notification for the Watchdog.

**SMTP Server:** Enter the SMTP server IP address.

**Sender E-Mail:** Enter the e-mail address from which the notification will be sent.

**Receiver E-Mail:** Enter the e-mail address which the notification will be sent to.

**Enable Authentication:** Check the box to enable authentication that is used with the SMTP server.

**Account Name:** Enter your account name that is used with the SMTP server.

**Password:** Enter your password that is used with the SMTP server and re-enter it in the next box.

**WATCHDOG :**

Enable Watchdog (Ping of Life) : ☐

Update Time Interval :  (minutes, range:1-60, default:1)

Watchdog Response IP :

Enable Mail Alert : ☐

SMTP Server :

Sender E-mail :

Receiver E-mail :

Enable Authentication : ☐

Account Name :

Password :

Verify Password :

## Time

The Time Configuration option allows you to configure, update, and maintain the correct time on the internal system clock. From this section you can set the time zone that you are in and set the Time Server. Daylight Saving can also be configured to automatically adjust the time when needed.

**Time Zone:** Select the Time Zone from the drop-down menu.

**Daylight Saving:** To select Daylight Saving time manually, select enabled or disabled, and enter a start date and an end date for daylight saving time.

**Enable NTP Server:** NTP is short for Network Time Protocol. NTP synchronizes computer clock times in a network of computers. Check this box to use a NTP server. This will only connect to a server on the Internet, not a local server.

**NTP Server Used:** Enter the NTP server or select one from the drop-down menu.

**Manual:** To manually input the time, enter the values in these fields for the Year, Month, Day, Hour, Minute, and Second and then click **Save Settings**. You can also click **Copy Your Computer's Time Settings**.

TIME CONFIGURATION

Time : 01/01/2000 01:11:14  
Time Zone : (GMT-08:00) Pacific Time (US & Canada); Tijuana  
Enable Daylight Saving : ☐ Auto Adjust ☒ Manual Adjust  
Daylight Saving Offset : -2:00  
  

Month Week Day of Week Time

Daylight Saving Dates :
DST Start DST End

AUTOMATIC TIME CONFIGURATION

Enable NTP server : ☐  
Interval : 7 Days  
NTP Server Used : 123.204.57.143 << 123.204.57.143 - Worldwide

SET THE DATE AND TIME MANUALLY

Current DAP-1360 Time :  
  
Year Month Day  
Hour Minute Second  
Copy Your Computer's Time Settings

## Schedules

Schedules can be created for use with enforcing rules. For example, if you want to restrict web access to Mon-Fri from 3pm to 8pm, you could create a schedule selecting Mon, Tue, Wed, Thu, and Fri and enter a Start Time of 3pm and End Time of 8pm.

**Name:** Enter a name for your new schedule.

**Days:** Select a day, a range of days, or All Week to include every day.

**Time:** Check **All Day - 24hrs** or enter a start and end time for your schedule.

**Save:** Click **Save** to save your schedule. You must click **Save Settings** at the top for your schedules to go into effect.

**Schedule Rules** The list of schedules will be listed here. Click the **List:** **Edit** icon to make changes or click the **Delete** icon to remove the schedule.

### SCHEDULES :

The Schedule configuration option is used to manage schedule rules for various firewall and parental control features.

### ADD SCHEDULE RULE :

Name :

Day(s) : ☐ All Week ☒ Select Day(s)

☐ Sun ☒ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri ☐ Sat

All Day - 24 hrs : ☐

Start Time :  :   (hour:minute, 12 hour time)

End Time :  :   (hour:minute, 12 hour time)

### SCHEDULE RULES LIST :

Name	Day(s)	Time Frame		
Schedule1	Mon	12:00 AM-03:00 PM		

# Status

## Device Info

This screen displays the current firmware version and the current LAN, and Wireless LAN settings on your access point.

DEVICE INFORMATION :

All of your Internet and network connection details are displayed on this page. The firmware version is also displayed here.

**Firmware Version: V1.00 , 12, Feb, 2009**

LAN

MAC Address : 00:40:F4:03:26:A1

Connection : Static IP

IP Address : 192.168.0.50

Subnet Mask : 255.255.255.0

Default Gateway : 0.0.0.0

WIRELESS LAN

MAC Address : 00:40:F4:03:26:A1

Network Name(SSID) : dlink

Channel : 1

Security Type : Open / Disabled



## Log

The DAP-1360 keeps a running log of events and activities occurring on the AP. If the AP is rebooted, the logs are automatically cleared. You can save the log files under Log Setting.

**First Page:** This button directs you to the first page of the log.

**Last Page:** This button directs you to the last page of the log.

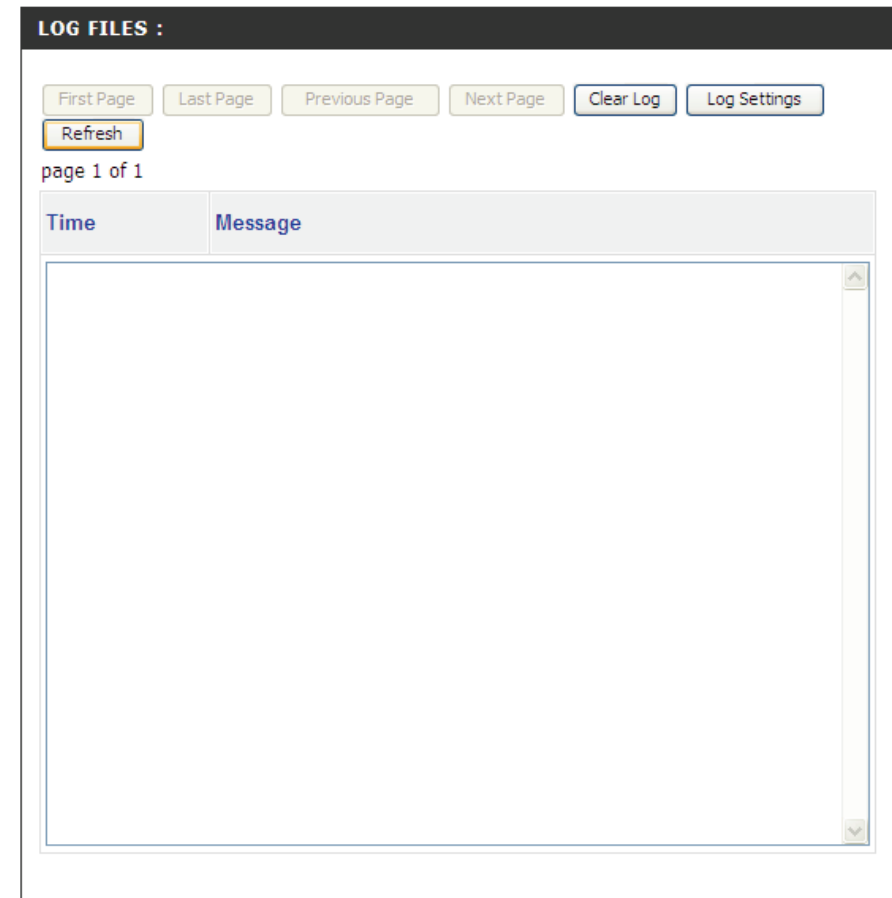
**Previous Page:** This button directs you to the previous page of the log.

**Next Page:** This button directs you to the next page of the log.

**Clear Log:** This button clears all current log content.

**Log Settings:** This button opens a new menu where you can configure the log settings.

**Refresh:** This button refreshes the log.



## Statistics

The DAP-1360 keeps statistics of the traffic that passes through it. You can view the amount of packets that pass through the LAN and wireless portions of the network. The traffic counter will reset if the access point is rebooted.

TRAFFIC STATISTICS :		
Traffic Statistics display Receive and Transmit packets passing through the DAP-1360.		
Refresh		
	Receive	Transmit
LAN	473 Packets	650 Packets
WIRELESS	6165 Packets	68 Packets

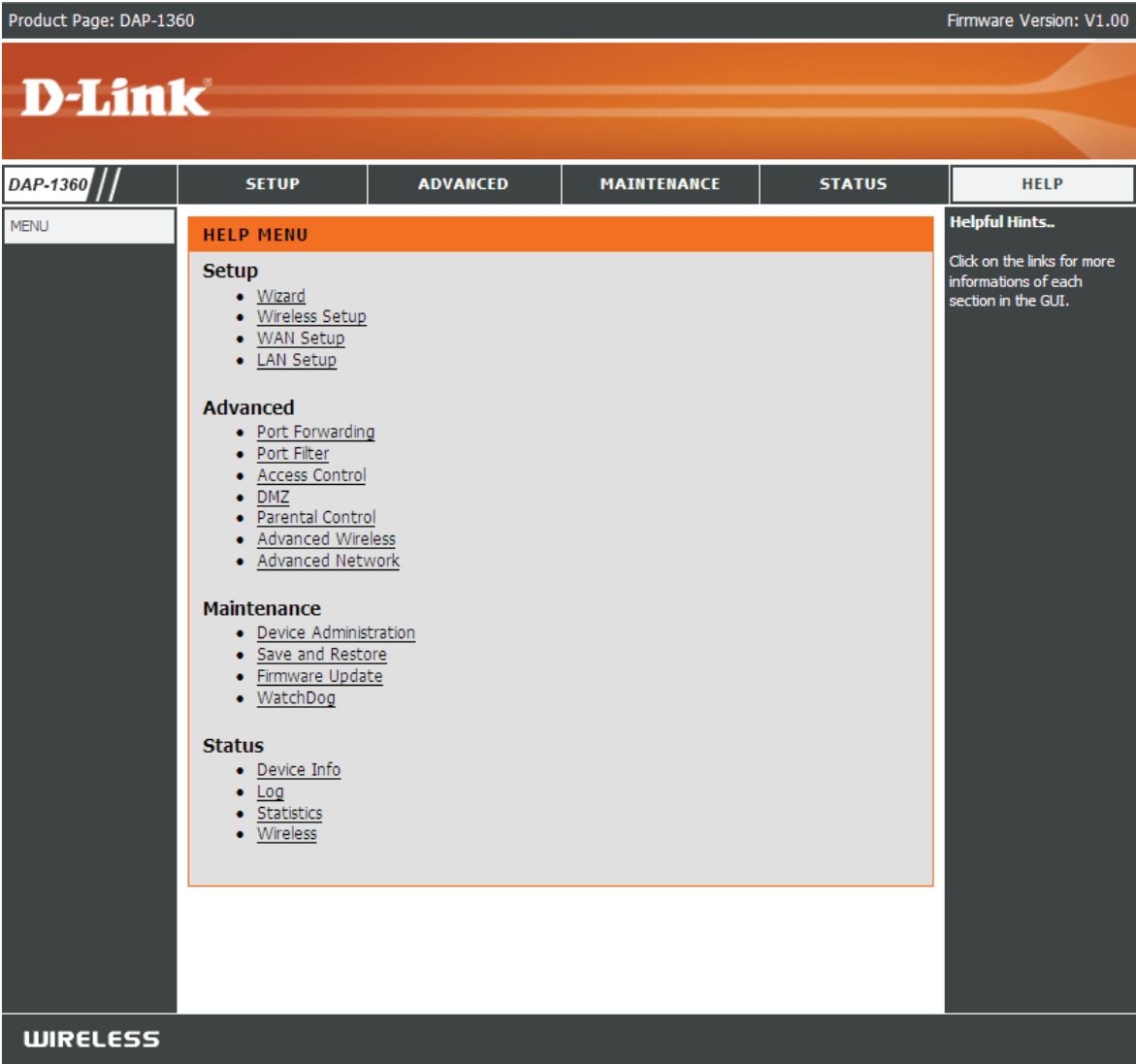
## Wireless

This list displays the MAC addresses of connected wireless clients and the length of time that they have been connected.

CONNECTED WIRELESS CLIENT LIST :	
The Wireless Client table below displays Wireless clients connected to the AP (Access Point). In AP Client mode it displays the connected AP's MAC address and connected Time.	
CONNECTED WIRELESS CLIENT LIST :	
Connected Time	MAC Address
None	---

# Help

The Help menu contains an index of links to help topics for each feature of the DAP-1360.



# Wireless Security

This section will show you the different levels of security you can use to protect your data from intruders. The DAP-1360 offers the following types of security:

- WPA-Personal (Pre-Shared Key)
- WPA2-Personal (Pre-Shared Key 2)
- WPA2-Auto-Personal
- WEP (Wired Equivalent Privacy)
- WPA-Enterprise (Extensible Authentication Protocol)
- WPA2-Enterprise (Extensible Authentication Protocol 2)
- WPA2-Auto-Enterprise (Extensible Authentication Protocol 2 Auto)

## What is WEP?

WEP stands for Wired Equivalent Privacy. It is based on the IEEE 802.11 standard and uses the RC4 encryption algorithm. WEP provides security by encrypting data over your wireless network so that it is protected as it is transmitted from one wireless device to another.

To gain access to a WEP network, you must know the key. The key is a string of characters that you create. When using WEP, you must determine the level of encryption. The type of encryption determines the key length. 128-bit encryption requires a longer key than 64-bit encryption. Keys are defined by entering in a string in HEX (hexadecimal - using characters 0-9, A-F) or ASCII (American Standard Code for Information Interchange – alphanumeric characters) format. ASCII format is provided so you can enter a string that is easier to remember. The ASCII string is converted to HEX for use over the network. Four keys can be defined so that you can change keys easily.

# Configure WEP

It is recommended to enable encryption on your wireless access point before your wireless network adapters. Please establish wireless connectivity before enabling encryption. Your wireless signal may degrade when enabling encryption due to the added overhead.

1. Log into the web-based configuration utility by opening a web browser and entering the device name of the access point (dlinkap). Click on **Wireless Setup** on the left side.

2. Next to Security Mode, select **Enable WEP Wireless Security (Basic)**.

3. Next to Authentication, select **Shared Key** or **Open**.

4. Next to WEP Encryption, select **64-bit** or **128-bit** encryption.

5. Next to Key Type, select either **Hex** or **ASCII**. Hex (recommended) - Letters A-F and numbers 0-9 are valid. ASCII - All numbers and letters are valid.

6. Next to Key 1, enter a WEP key that you create. Make sure you enter this key exactly on all your wireless devices. You may enter up to 4 different keys.

**WIRELESS SECURITY MODE :**

Security Mode : Enable WEP Wireless Security (basic) ▼

**WEP :**

WEP is the wireless encryption standard. To use it you must enter the same key(s) into the AP and the wireless stations. For 64 bit keys you must enter 10 hex digits into each key box. For 128 bit keys you must enter 26 hex digits into each key box. A hex digit is either a number from 0 to 9 or a letter from A to F. For the most secure use of WEP set the authentication type to "Open Key" when WEP is enabled.

You may also enter any text string into a WEP key box, in which case it will be converted into a hexadecimal key using the ASCII values of the characters. 5 text characters can be entered for 64 bit keys, and 13 characters for 128 bit keys.

Authentication : Open ▼

WEP Encryption : 64Bit ▼

Key Type : HEX ▼

Default WEP Key : WEP Key 1 ▼

WEP Key 1 :

WEP Key 2 :

WEP Key 3 :

WEP Key 4 :

7. Click **Save Settings** to save your settings. If you are configuring the access point with a wireless adapter, you will lose connectivity until you enable WEP on your adapter and enter the same WEP key as you did on the access point.

# What is WPA?

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

There are 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.
- User authentication, which is generally missing in WEP, is done 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-EAP/WPA2-EAP 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.

WPA2-Auto-PSK/WPA2-Auto-EAP accepts wireless clients that use WPA or WPA2. Authentication is still necessary.

# Configure WPA-PSK, WPA2-PSK, and WPA2-Auto-PSK (Personal)

It is recommended to enable encryption on your wireless access point before your wireless network adapters. Please establish wireless connectivity before enabling encryption. Your wireless signal may degrade when enabling encryption due to the added overhead.

1. Log into the web-based configuration utility by opening a web browser and entering the device name of the access point (dlinkap). Click on **Wireless Setup** on the left side.

2. Next to Security Mode, select **Enable WPA Wireless Security, Enable WPA2 Wireless Security, or Enable WPA2-Auto Wireless Security**.

3. Next to Cipher Mode, select **TKIP, AES, or Auto**.

4. Next to PSK / EAP, select **Personal**.

5. Next to Passphrase, enter a key (passphrase). The key is an alpha-numeric password between 8 and 63 characters long. The password can include symbols (!?\*&\_) and spaces. Make sure you enter this key exactly the same on all other wireless clients. Enter the passphrase again next to Confirmed Passphrase.

7. Click **Save Settings** to save your settings. If you are configuring the access point with a wireless adapter, you will lose connectivity until you enable WPA-Personal, WPA2-Personal, or WPA2-Auto-Personal on your adapter and enter the same passphrase as you did on the access point.

The screenshot displays the 'WIRELESS SECURITY MODE' section of a web-based configuration utility. It features a dropdown menu for 'Security Mode' set to 'Enable WPA Wireless Security (enhanced)'. Below this is the 'WPA' section, which includes a note: 'WPA requires stations to use high grade encryption and authentication.' The 'Cipher Type' is set to 'AUTO', and 'PSK / EAP' is set to 'Personal'. There are two empty text input fields for 'Passphrase' and 'Confirmed Passphrase'.

WIRELESS SECURITY MODE :	
Security Mode :	Enable WPA Wireless Security (enhanced) ▼

WPA :	
WPA requires stations to use high grade encryption and authentication.	
Cipher Type :	AUTO ▼
PSK / EAP :	Personal ▼
Passphrase :	<input type="text"/>
Confirmed Passphrase :	<input type="text"/>

# Configure WPA-EAP, WPA2-EAP, and WPA2-Auto-EAP (Enterprise)

It is recommended to enable encryption on your wireless access point before your wireless network adapters. Please establish wireless connectivity before enabling encryption. Your wireless signal may degrade when enabling encryption due to the added overhead.

1. Log into the web-based configuration utility by opening a web browser and entering the device name of the access point (dlinkap). Click on **Wireless Setup** on the left side.
2. Next to Security Mode, select **Enable WPA Wireless Security, Enable WPA2 Wireless Security, or Enable WPA2-Auto Wireless Security**.
3. Next to Cipher Mode, select **TKIP, AES, or Auto**.
4. Next to Personal / Enterprise, select **Enterprise**.
5. Next to RADIUS Server enter the IP Address of your RADIUS server.
6. Next to Port, enter the port you are using with your RADIUS server. 1812 is the default port.
7. Next to Shared Secret, enter the security key.
8. Click **Save Settings** to save your settings.

**WIRELESS SECURITY MODE :**

Security Mode :

**WPA :**

WPA requires stations to use high grade encryption and authentication.

Cipher Type :

PSK / EAP :

802.1X

RADIUS Server 1 : IP

Port

Shared Secret

RADIUS Server 2 : IP

Port

Shared Secret



# Connect to a Wireless Network Using Windows® XP

Windows® XP users can use the built-in wireless utility (Zero Configuration Utility) to connect to a wireless network. The following instructions are for Service Pack 2 users. 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® XP utility as shown below.

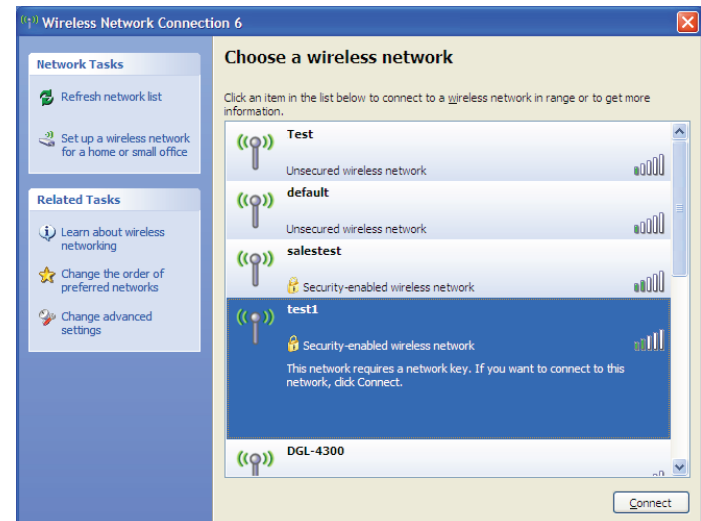
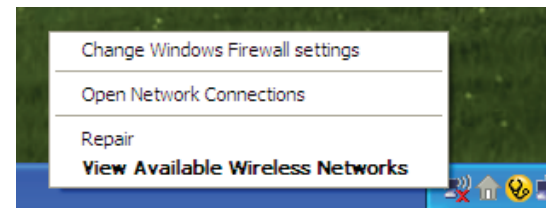
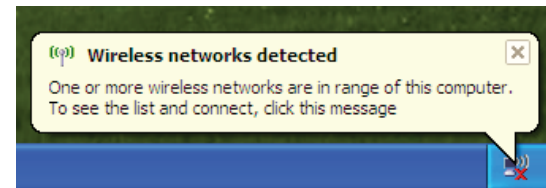
If you receive the **Wireless Networks Detected** bubble, click on the center of the bubble to access the utility.

or

Right-click on the wireless computer icon in your system tray (lower-right corner next to the time). Select **View Available Wireless Networks**.

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

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

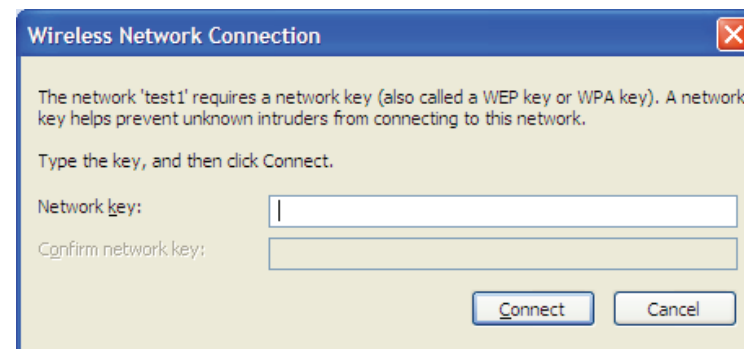


## Configure WEP/WPA-PSK

It is recommended to enable WEP or WPA-PSK on your wireless access point before configuring your wireless adapter. If you are joining an existing network, you will need to know the WEP or WPA-PSK key being used.

Follow the steps on the previous page to connect to a wireless network using Windows® XP. After you highlight a network and click **Connect**, the **Wireless Network Connection** box will appear if the network requires authentication. Enter the same WEP or WPA-PSK key that is on your access point and click **Connect**.

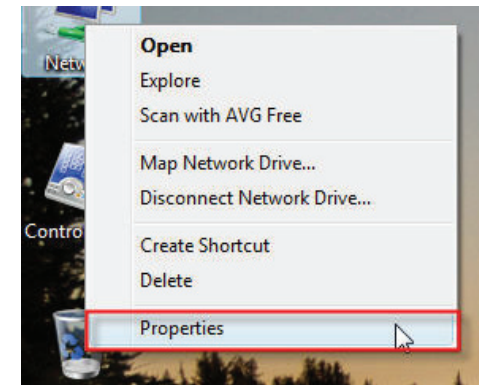
It may take 20-30 seconds to connect to the wireless network. If the connection fails, please verify that the WEP or WPA-PSK settings are correct. The WEP or WPA-PSK key must be exactly the same as on the wireless access point.



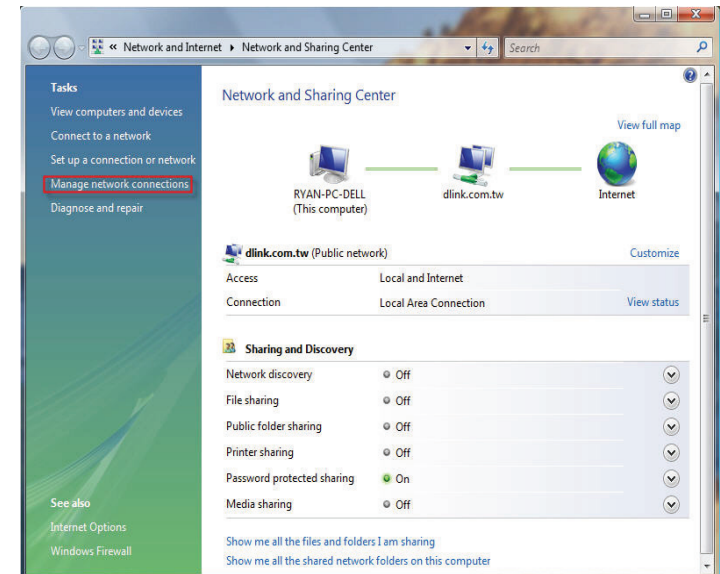
# Using Windows® Vista (Secured Network)

The following are step-by-step directions to connect to a secured wireless network using Windows® Vista.

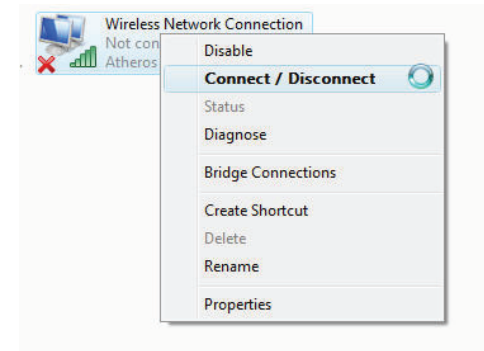
1. Right-click on **Network** and click on **Properties**.



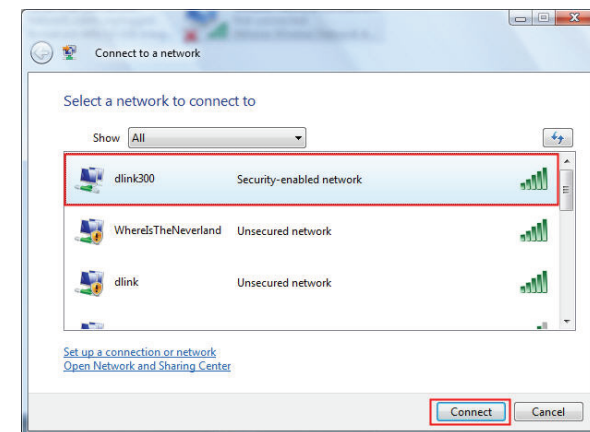
2. Click the **Manage network connections** link in the **Network and Sharing Center** window.



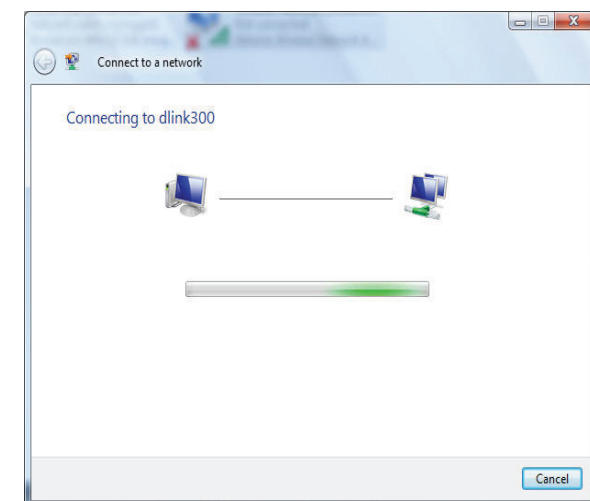
3. Right-click the **Wireless Network Connection** entry and then select **Connect/Disconnect** from the drop-down menu.



4. Select a network to connect to in the **Select a network to connect to** window and then click the **Connect** button.



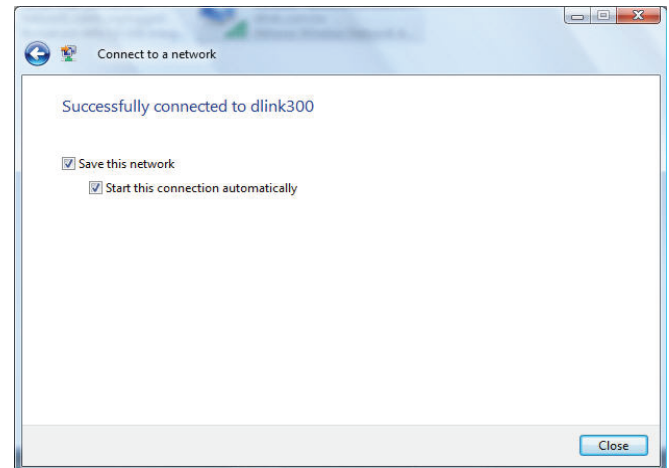
5. The following window displays connection progress.



6. Enter the network security key or passphrase for the AP in the textbox provided in the **Type the network security key or passphrase for [SSID name]** window. When you are finished, click the **Connect** button.



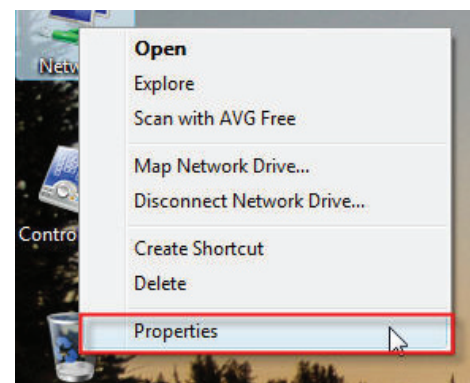
7. The following **Successfully connected to [SSID name]** window is displayed. Choose to save this network and/or start this new connection automatically. When you are finished, click the **Close** button.



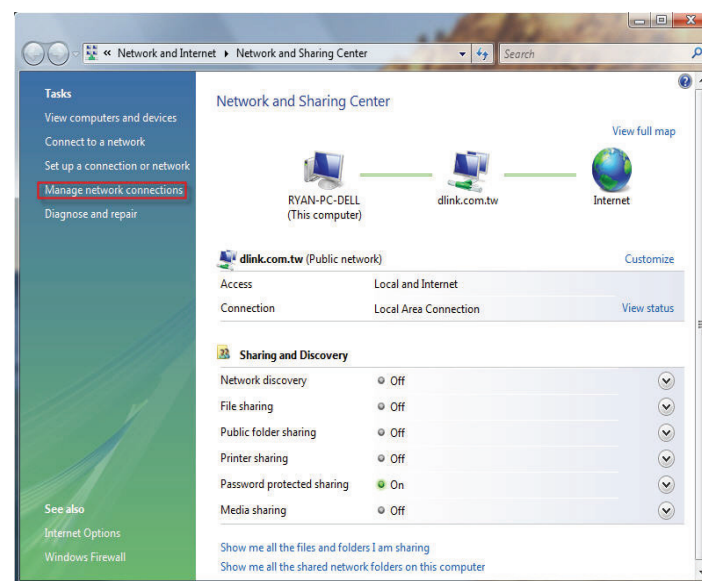
# Using Windows® Vista (Unsecured Network)

The following are step-by-step directions to set up a wireless connection on an unsecured network using Windows® Vista.

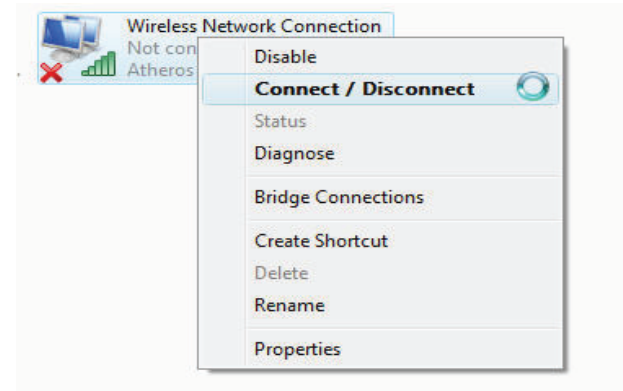
1. Right-click on **Network** and click on **Properties**.



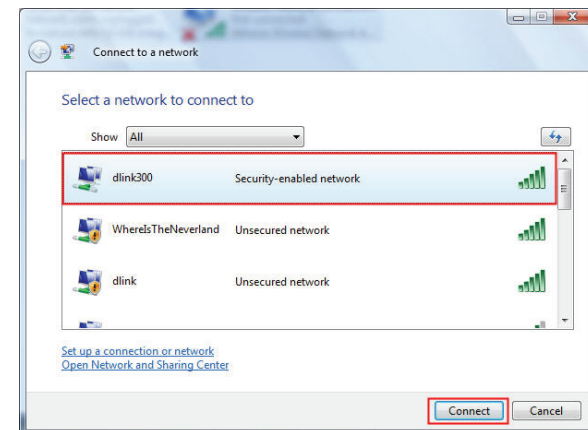
2. Go to the **Network and Sharing Center** window and click the **Manage Network Connections** link.



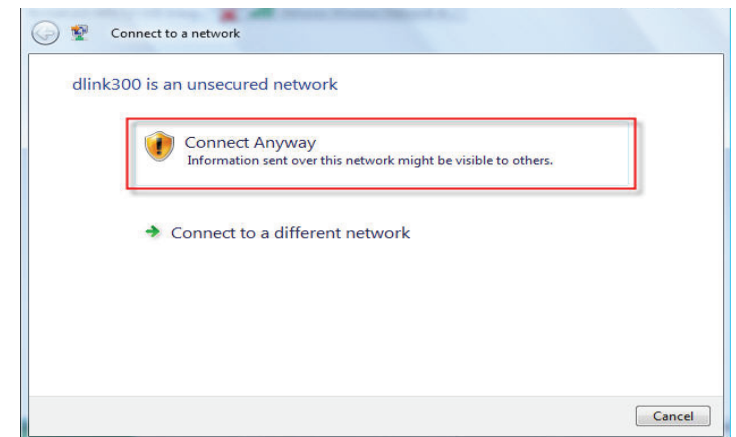
3. Right-click the **Wireless Network Connection** entry and then select **Connect/Disconnect** from the drop-down menu.



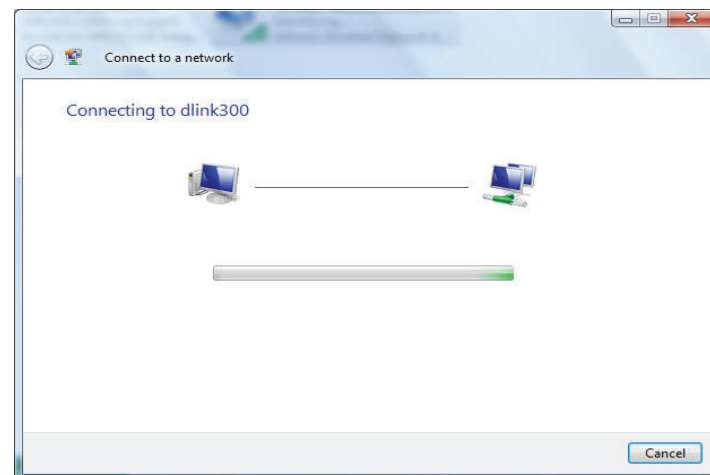
4. Select a network to connect to in the **Select a network to connect to** window and then click the **Connect** button.



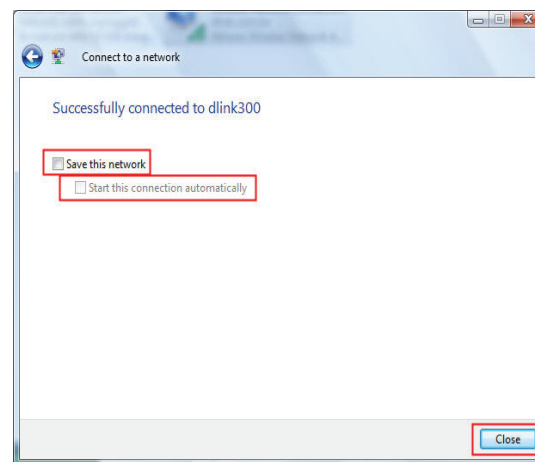
5. Confirm that you still want to connect on the following **Network Connection Status** window by clicking on **Connect Anyway**.



6. The following **Connect to a network** wizard window displays the connection progress.



7. The following **Successfully connected to [SSID name]** window is displayed. Choose to save this network and/or start this new connection automatically. When you are finished, click the **Close** button.





# Troubleshooting

This chapter provides solutions to problems that can occur during the installation and operation of the DAP-1360. Read the following descriptions if you are having problems. The examples below use Windows® XP. If you have a different operating system, the troubleshooting steps may be different from the following examples.

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

When entering the IP address of the D-Link access point (for example, dlinkap), you are not connecting to a website on the Internet or 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 6.0 or higher
  - Firefox 1.5 or higher
- Verify physical connectivity by checking for solid link lights on the device. If you do not get a solid link light, try using a different cable or connect to a different port on the device if possible. If the computer is turned off, the link light may not be on.
- Disable any internet security software running on the computer. Software firewalls such as Zone Alarm, Black Ice, 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-based configuration utility. Open your web browser and enter the IP address of your D-Link access point in the address bar. This should open the login page for your the web-based configuration utility.
- If you still cannot access the web-based configuration utility, unplug the power to the access point for 10 seconds and plug back in. Wait about 30 seconds and try accessing the web-based configuration utility. 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 access point. Unfortunately this process will change all your settings back to the factory defaults.

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

# Wireless Basics

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

A wireless local area network (WLAN) is a cellular computer network that transmits and receives data with radio signals instead of wires. Wireless LANs are used increasingly in both home and office environments, and public areas such as airports, coffee shops, and universities. Innovative ways to utilize WLAN technology are helping people 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 adapter cards used on laptop and desktop systems support the same protocols as Ethernet adapter cards.

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

## **What is Wireless?**

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

## **Why D-Link Wireless?**

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

## **How does wireless work?**

Wireless works similar to how a cordless phone works- using radio signals to transmit data from one point to another. However, wireless technology has restrictions as to how you can access the network. You must be within the wireless network range area to be able to connect your computer. There are two different types of wireless networks: a Wireless Local Area Network (WLAN) and a Wireless Personal Area Network (WPAN).

### **Wireless Local Area Network (WLAN)**

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

## **Wireless Personal Area Network (WPAN)**

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

The speed and wireless operation range of a WPAN is less than of a WLAN, but it excels in its efficient consumption of power. WPANs are ideal for personal devices, such as mobile phones, PDAs, headphones, laptops, speakers, and other devices that operate on batteries.

## **Who uses wireless?**

Wireless technology has become so popular in recent years that almost everyone is using it, at home and in the office.

### **Home**

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

### **Small Office and Home Office (SOHO)**

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

## **Where is wireless used?**

Wireless technology is quickly expanding beyond home and office use. The freedom of mobility it offers is becoming so popular that more and more public facilities are now providing wireless access to attract people. Public places that offer wireless access is usually called a “hotspot”.

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

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

## **Tips**

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

### **Centralize your Access Point**

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

### **Eliminate Interference**

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

## Security

Don't let your next-door neighbors or unwanted intruders connect to your wireless network. Secure your wireless network by turning on the WEP or WPA security feature on the access point. Refer to the section "Wireless Security" in this manual for detailed information on how to set it up.

# Wireless Modes

There are basically two modes of networking:

- **Infrastructure** – All wireless clients will connect to an access point or wireless router.
- **Ad-Hoc** – Directly connecting to another computer, for peer-to-peer communication, using wireless network adapters on each computer.

An Infrastructure network contains an AP or a wireless router. All the wireless devices, or clients, will connect to the wireless router or the AP.

An Ad-Hoc network contains only clients, such as laptops with wireless cardbus adapters. All the adapters must be in Ad-Hoc mode to communicate.

# Networking Basics

## Check your IP address

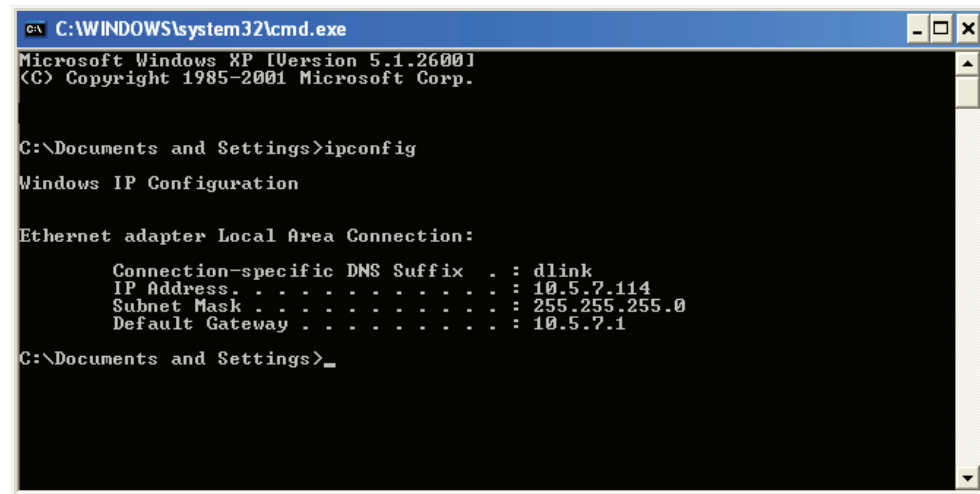
After you install your network adapter, by default, the TCP/IP settings should be set to obtain an IP address from a DHCP server (i.e. wireless router) automatically. To verify your IP address, please follow the steps below.

Click on **Start > Run**. In the run box type **cmd** and click **OK**.

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>
```

If you are connecting to a wireless network at a hotspot in a hotel, coffee shop, airport, or another public place, please contact an employee or administrator to verify their wireless network 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® 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

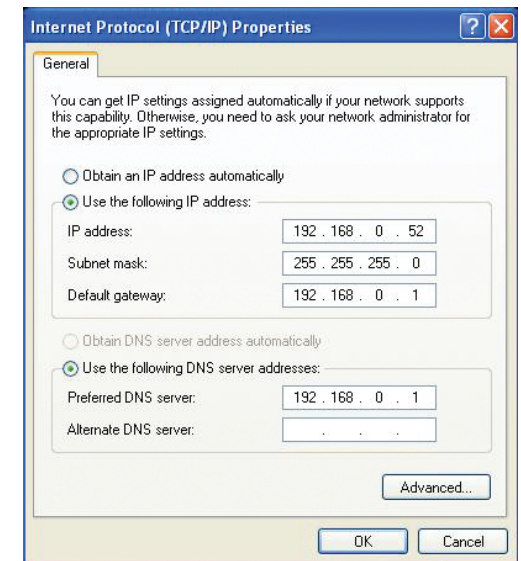
Click **Use the following IP address** and enter an IP address that is on the same subnet as your network or the LAN IP address on your router.

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 Default Gateway the same as the LAN IP address of your router (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.



# Technical Specifications

## NETWORK STANDARDS

- 802.11n wireless LAN
- 802.11g wireless LAN
- 802.11b wireless LAN
- 802.3/802.3u 10BASE-T/100BASE-TX Ethernet
- ANSI/IEEE 802.3 NWay auto-negotiation

## DEVICE INTERFACES

- 802.11n wireless LAN
- One 10/100BASE-TX Ethernet LAN port

## OPERATING FREQUENCY

2.4 to 2.4835 GHz

## OPERATING CHANNELS

- FCC: 11
- ETSI: 13

## RADIO & MODULATION SCHEMES

DQPSK, DBPSK, CCK, OFDM

## OPERATION MODES

- Access Point
- Repeater
- Wireless Client
- Bridge
- Bridge with AP
- WISP Client Router
- WISP Repeater

## ANTENNA

Two 2dBi Gain detachable omni-directional antennas with RP-SMA connector

## SECURITY

- 64/128-bit WEP data encryption
- WPA-PSK, WPA2-PSK
- WPA-EAP, WPA2-EAP
- TKIP, AES
- MAC address filtering
- SSID broadcast disable function

## QUALITY OF SERVICE (QoS)

Wi-Fi Multimedia (WMM)

## DEVICE MANAGEMENT

- Web-based management through Internet Explorer v.6 or later, Netscape Navigator v.6 or later or other Java-enabled browser

## Diagnostic LED

- Power
- WLAN
- LAN

## POWER INPUT

5VDC 2.5A

External power adapter

**DIMENSIONS**

144 (W) x 109 (D) x 30 (H) mm (5.67 x 4.29 x 1.18 inches)

**WEIGHT**

229grams

**OPERATING TEMPERATURE**

0°C to 55° C (32°F to 131° F)

**STORAGE TEMPERATURE**

-10°C to 70°C (14°F to 158°F)

**OPERATING HUMIDITY**

10% to 90% non-condensing

**STORAGE HUMIDITY**

5% to 95% non-condensing

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.



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