



# D-Link DAP-1360

## Repeater Mode Configuration



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Communication Solutions

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# Outline

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3. Hardware Overview
  - Connections
  - LED's
  - WPS LED/Button
4. Default Settings
5. Configuring your LAN Adapter
6. Connect to unit via Web GUI
7. Repeater Mode Configuration



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# PACKAGE CONTENTS



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## Package Contents

- D-Link DAP-1360 Wireless N Access Point
- Power Supply
- CAT5 Ethernet Cable
- CD-ROM with User Manual
- Quick Install Guide



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# System Requirements



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## System Requirements

- Computers with Windows<sup>®</sup>, Macintosh<sup>®</sup>, or Linux-based operating systems with an installed Ethernet adapter.
- Internet Explorer Version 6.0 or higher, Safari 3.0 or higher, or Firefox 3.0 or higher (for configuration).



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# Hardware Overview



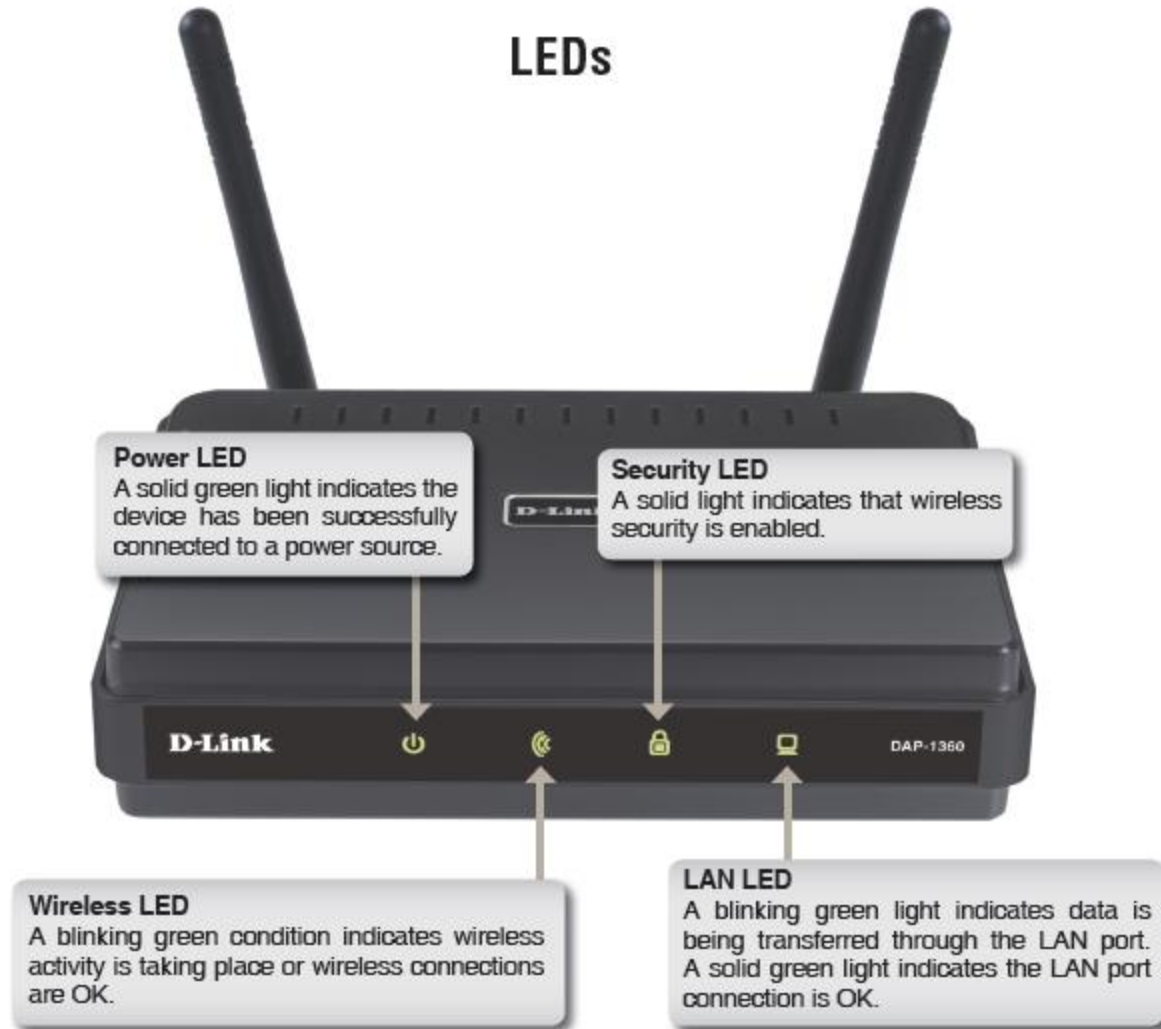
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## Connections



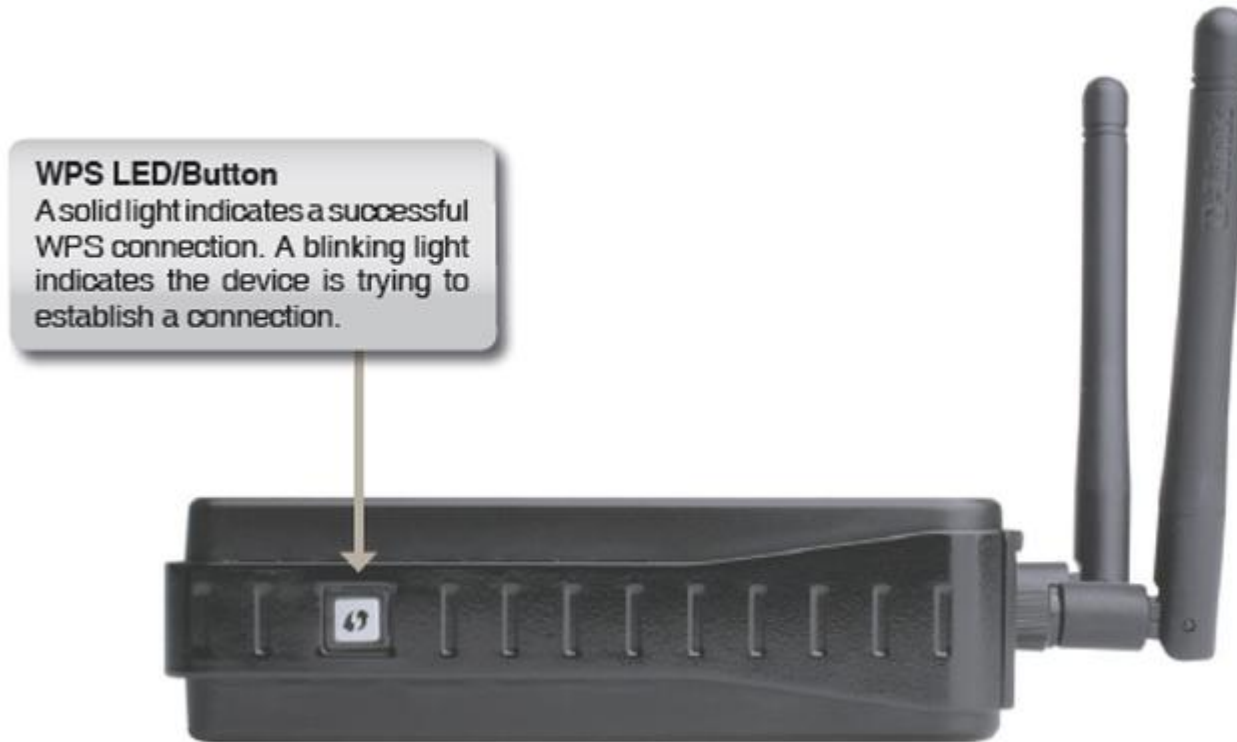
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## WPS LED/Button



▪ **Wi-Fi Protected Setup (WPS; originally Wi-Fi Simple Configuration)** is a computing standard that attempts to allow easy establishment of a secure [wireless home network](#),

# DEFAULT SETTINGS



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## Default Settings:



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# CONFIGURING YOUR LAN ADAPTER



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**If your LAN Adapter is not set to receive IP Address settings via a DHCP server or if you need to change your LAN Adapter settings, please follow below steps**

## Step 1:

**Windows XP/Vista:** Click Start > Control Panel > Network Connections.

**Windows 2000:** On the desktop, right-click on My Network Places > Properties.

**Windows 7:** Click Start > Control Panel > Network and Sharing Centre

## Step 2:

**Windows XP/Vista:** Right-click Local Area Connection and select Properties.

**Windows 2000:** Go to Step 3

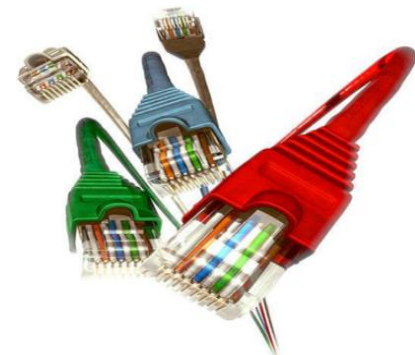
**Windows 7:** Select Change Adapter Settings > Right-click Local Area Connection and select Properties.

## Step 3:

**Windows XP/Vista:** Select TCP/IP Settings and click Properties.

**Windows 2000:** Select TCP/IP Settings and click Properties.

**Windows 7:** Select Internet Protocol Version 4 and click Properties

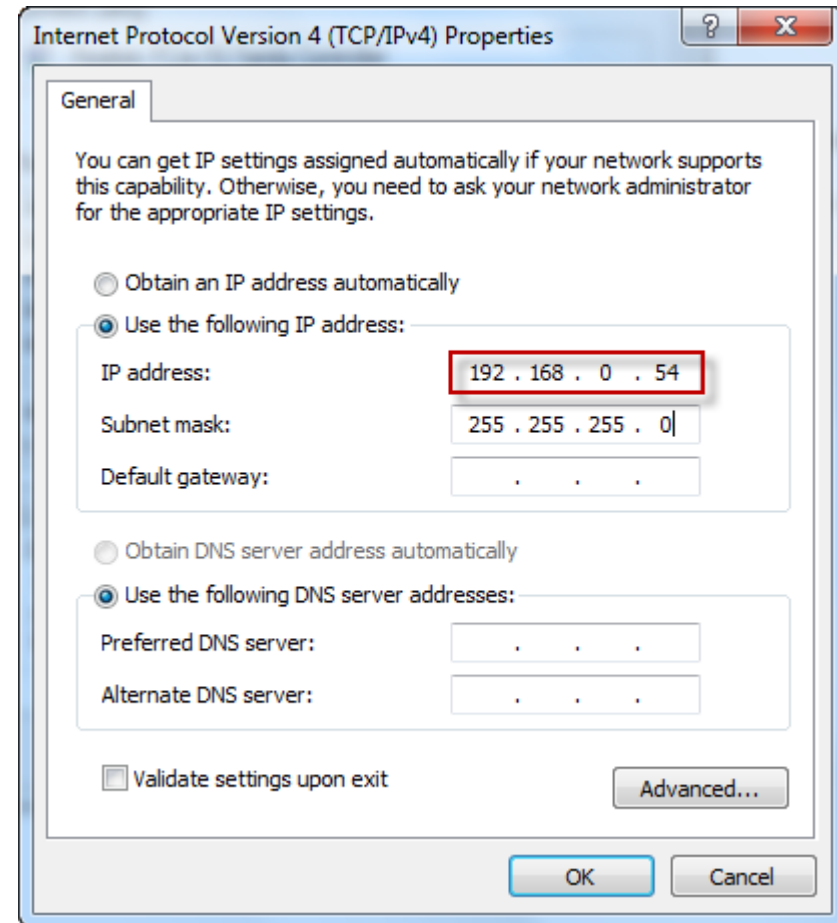


## Step 4:

- Select “Use the following IP address” and enter the selected IP address
- Enter an IP address in the same range as the Access Point’s IP Address. Default IP Address of the AP is 192.168.0.50. Please note that because the router already has an IP of 192.168.0.50 you cannot use the same address for your LAN adapter.

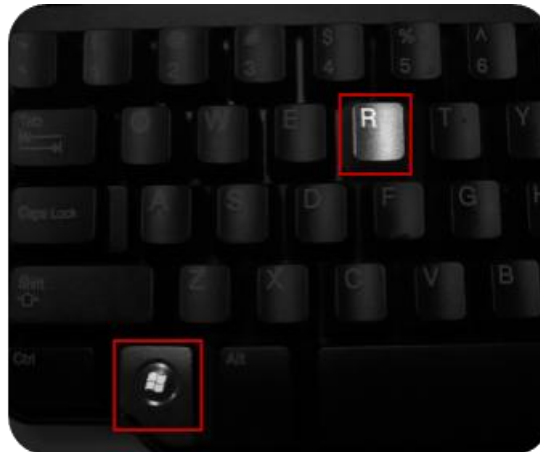
## Step 5:

Click OK twice to save your settings.



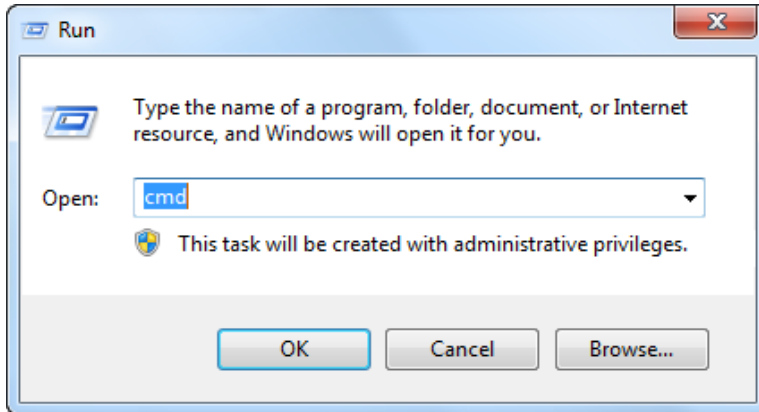
## Step 6:

- To determine whether or not you have successfully configured your LAN adapter and have established communication with the DAP-1360, simply execute a ping test via your LAN adapter. In order to do this, follow these easy steps below;
  - On your keyboard press the Windows button” and R” at the same time. See picture below;

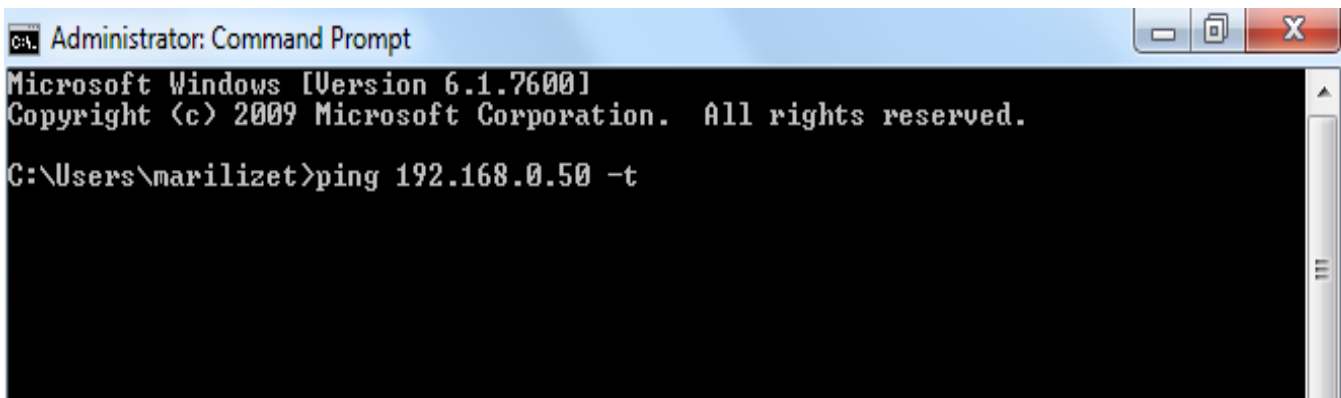




- Type the following: **cmd**



- Enter the following command: **ping 192.168.0.50 -t**





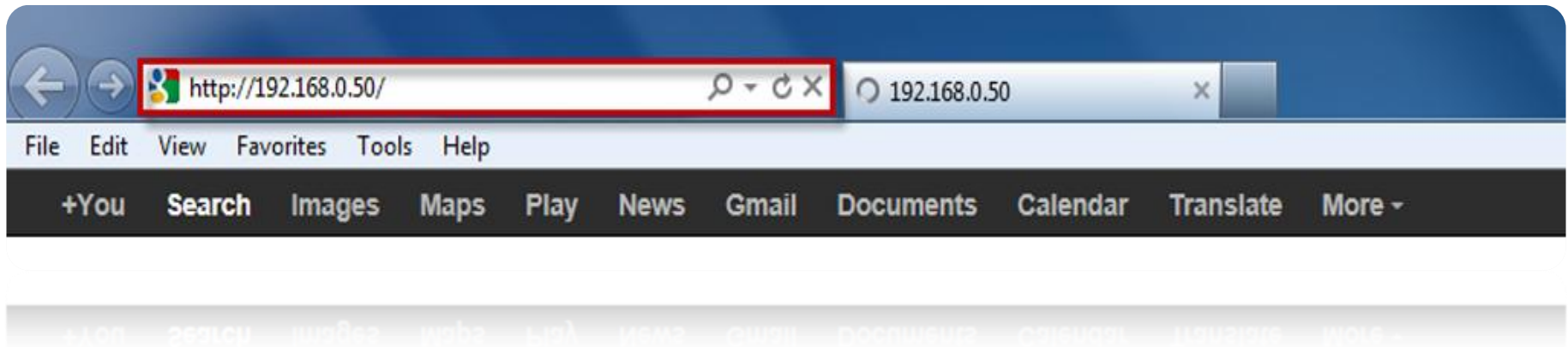
# CONNECTING TO THE UNIT VIA WEB GUI



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## How to login to Unit using the Web GUI

1. Go to your Internet Explorer or Default Browser.
2. In your URL field, type the **Default IP (192.168.0.50) of Access Point.**
3. A login page will appear and you will be prompted for a **Username and Password.**



Username: **admin**  
Password: **leave blank\***

Product Page: DAP-1360

Hardware Version: B1 Firmware Version: 2.11



## LOGIN

Log in to the Access Point

User Name :

Password :

## WIRELESS

**NOTE: If you do not get the above product page, please ensure that you do not have any proxy settings configured for your browser.**

If your username and password details are correct, you will be taken to the “Home Screen” from where you can navigate your way around.

Product Page: DAP-1360 Hardware Version: B1 Firmware Version: 2.11

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**D-Link**

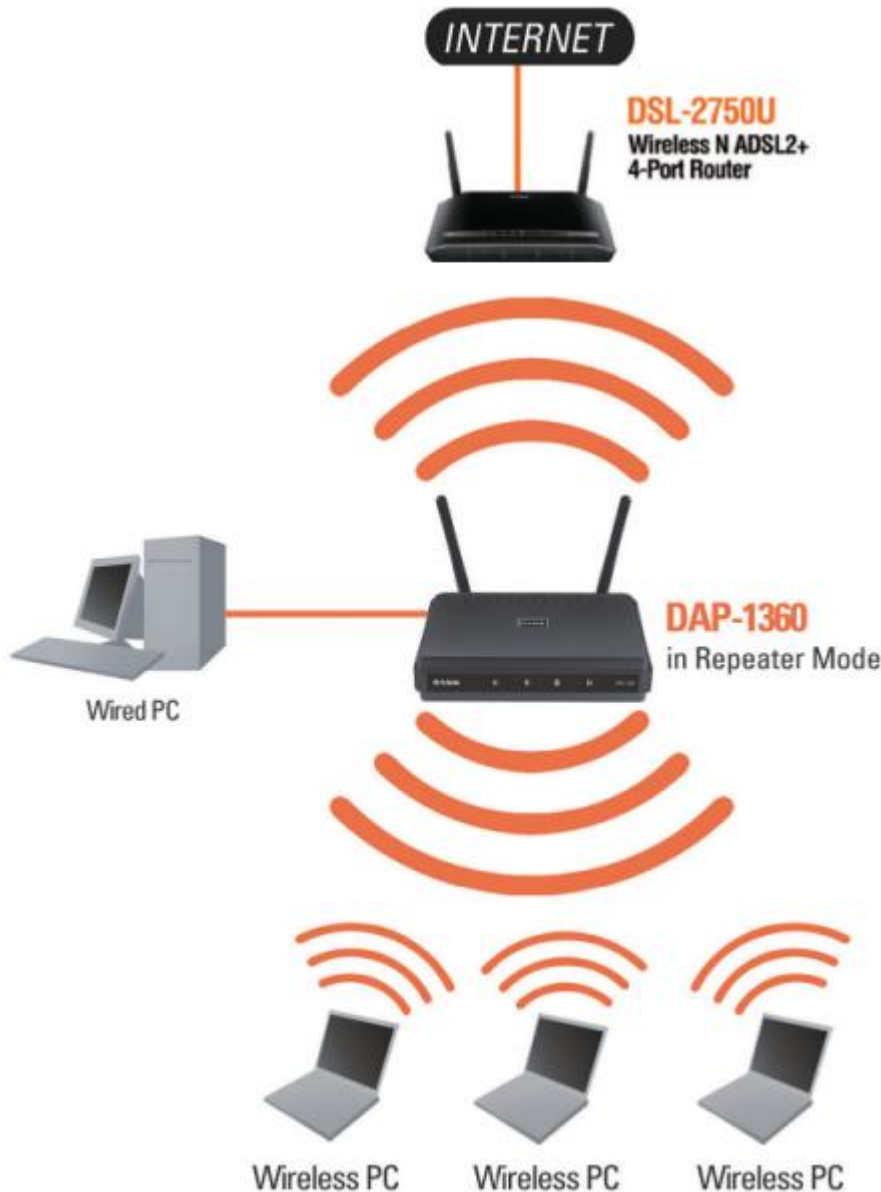
DAP-1360 //	SETUP	ADVANCED	MAINTENANCE	STATUS	HELP
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SETUP WIZARD	<p><b>WIRELESS CONNECTION SETUP WIZARD</b></p> <p>If you would like to utilize our easy to use web-based wizard to assist you in connecting your DAP-1360 to the wireless network,click on the button below.</p> <p style="text-align: center;"><input type="button" value="Launch Wireless Setup Wizard"/></p> <p><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.</p>	<p><b>Helpful Hints..</b></p> <p>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.</p>
WIRELESS SETUP		
LAN SETUP		

# Repeater Mode Configuration.



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In 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), channel, and security settings.

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## Step 1:

Login to the Access Point, go to **Setup** followed By **Wireless Setup** Then

## Step 2:

Change your Wireless Mode (By default Access Point) to **Repeater**

## Step 3:

Once Repeater Mode has been selected a site survey Tab will appear, click on **Site Survey**

The screenshot shows the D-Link DAP-1360 web interface. At the top, it displays 'Product Page: DAP-1360' and 'Hardware Version: B1 Firmware Version: 2.11'. The D-Link logo is prominently featured. Below the logo is a navigation bar with tabs: '1. SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The '1. SETUP' tab is active. On the left side, there is a sidebar with 'DAP-1360 //', 'SETUP WIZARD', 'WIRELESS SETUP', and 'LAN SETUP'. The 'WIRELESS SETUP' option is selected. The main content area is titled 'WIRELESS NETWORK' and contains the following settings:

- Enable Wireless:  Always
- 2. Wireless Mode: **Repeater**  3.
- Wireless Network Name: dlink (Also called the SSID)
- 802.11 Mode: Mixed 802.11n, 802.11g and 802.11b
- Wireless Channel: 6
- Enable Auto Channel Scan:
- Channel Width: 20MHz
- Visibility Status:  (Also called Disable SSID Broadcast)


Below the wireless settings is the 'WIRELESS SECURITY MODE' section with 'Security Mode' set to 'None'. On the right side, there is a 'Helpful Hints..' section with text about Wireless Mode and Wireless Network Name. At the bottom right, there is a 'Hidden Wireless' section with text about enabling hidden mode.

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## Step 4:

Select the wireless network which you wish to repeat (Extend)

Product Page: DAP-1360 Hardware Version: B1 Firmware Version: 2.11



SSID	BSSID	Channel	Type	Encrypt	Signal	Select
D-Link	84:c9:b2:d9:af:d5	1 (B+G+N)	AP	WPA-PSK(auto)/WPA2-PSK(auto)	44	<input type="radio"/>
D-Link-WiFi	00:22:b0:3d:a6:90	9 (B+G+N)	AP	WPA2-PSK(aes)	42	<input checked="" type="radio"/>
APX	80:1f:02:1d:94:86	1 (B+G)	AP	WPA2-PSK(aes)	26	<input type="radio"/>

**WIRELESS**

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Once you have selected which wireless signal should be repeated, the DAP-1360 will automatically populate its SSID, channel and security settings with that of the existing wireless network.

DAP-1360	SETUP	ADVANCED	MAINTENANCE	STATUS	HELP
SETUP WIZARD WIRELESS SETUP LAN SETUP	<div style="background-color: #f4a460; padding: 5px;"><b>WIRELESS NETWORK</b></div> <p>Use this section to configure the wireless settings for your D-Link Access Point. Please note that changes made on this section may also need to be duplicated on your wireless client.</p> <p> <input type="button" value="Save Settings"/> <input type="button" value="Don't Save Settings"/> </p> <div style="background-color: #f4a460; padding: 5px;"><b>WIRELESS NETWORK SETTINGS :</b></div> <p>           Enable Wireless : <input checked="" type="checkbox"/> Always <input type="button" value="Add New"/>            Wireless Mode : Repeater <input type="button" value="Site Survey"/>            Wireless Network Name : D-Link-WiFi <input checked="" type="checkbox"/> (Also called the SSID)            802.11 Mode : Mixed 802.11n, 802.11g and 802.11b            Wireless Channel : 6 <input checked="" type="checkbox"/>            Enable Auto Channel Scan : <input checked="" type="checkbox"/>            Channel Width : 20MHz            Visibility Status : <input type="checkbox"/> (Also called Disable SSID Broadcast)         </p> <div style="background-color: #f4a460; padding: 5px;"><b>WIRELESS SECURITY MODE :</b></div> <p>Security Mode : WPA-Personal <input checked="" type="checkbox"/></p> <div style="background-color: #f4a460; padding: 5px;"><b>WPA</b></div> <p>Use <b>WPA of WPA2</b> mode to achieve a balance of strong security and best compatibility. This mode uses WPA for legacy clients while maintaining higher security with stations that are WPA2 capable. Also the strongest cipher that the client supports will be used. For best security, use <b>WPA2 Only</b> mode. This mode uses AES(CCMP) cipher and legacy stations are not allowed access some gaming and legacy devices work only in this mode.</p> <p>To achieve better wireless performance use WPA2 Only security mode (or in other words AES cipher)</p> <p>           WPA Mode : WPA2 only            Cipher Type : AES         </p>				<b>Helpful Hints..</b>  <b>Wireless Mode :</b> Select a function mode to configure your wireless network. Function wireless modes include Access Point, AP Client, Bridge, Bridge with AP, Repeater, WISP Client Router and WISP Repeater. Function wireless modes are designed to support various wireless network topologies and applications.  <b>Wireless Network Name :</b> Changing your Wireless Network Name is the first step in securing your wireless network. We recommend that you change it to a familiar name that does not contain any personal information.  <b>Hidden Wireless :</b> Enabling Hidden Mode is another way to secure your network. With this option enabled, no wireless clients will be able to see your wireless network when they perform scan to see what's available. In order for your wireless devices to connect to your AP, you will need to manually enter the Wireless Network Name on each device.  <b>Security Keys :</b> If you have enabled Wireless Security, make sure you write down WEP Key or Passphrase that you have configured. You will need to enter this information on any wireless device that you connect to your wireless

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## Step 5:

Once settings have been applied and saved, remove the LAN cable from the DAP-1360/laptop and change your LAN Adapter back to DHCP (obtain and IP Address automatically).

## Step 6:

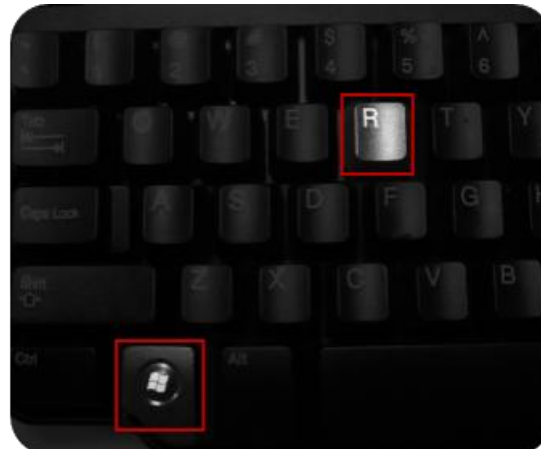
Enable wireless adapter on PC/LAPTOP (if disabled previously) and change your wireless adapter settings to the below:

IP Address:	192.168.0.51
Subnet Mask:	255.255.255.0

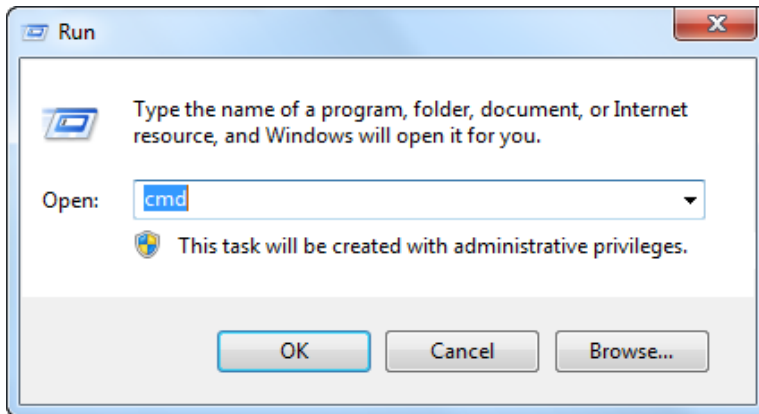
## Step 7:

To determine whether or not you have successfully configured the DAP-1360 in Repeater Mode, simply execute a ping test via your wireless connection. In order to do this, follow these easy steps below;

- On your keyboard press the Windows button” and R” at the same time. See picture below;



- Type the following: **cmd**



- Enter the following command : **ping 192.168.0.50 -t**

