



## COVR-3902

<b>HW Version</b>	<b>Firmware Version</b>	<b>App Name</b>	<b>App Version</b>
<b>A1</b>	<b>1.00</b>	<b>D-Link Wi-Fi</b>	<b>1.0.9</b>

# Contents

Proprietary items for COVR-3902 .....	3
Q1: How to setup my COVR-3902?.....	3
Q2: What is the uniqueness of COVR-3902 compare to traditional routers plus range extender solutions? .....	14
Q3: Why DAP-1655 Wi-Fi Range Extender can't receive signal from DIR-883?.....	15
Q4: What does the WI-FI button on the back of my COVR-3902 do? .....	16
Device Setup/Installation.....	17
Q5: How do I login to my router? .....	17
Q6: How do I change the login password? .....	18
Q7: How do I set up and secure my wireless connection?.....	19
General Settings .....	22
Q8: How to clone my PC MAC address to the router?.....	22
Q9: How do I configure DHCP reservation?.....	25
Q10: How do I configure 802.11 mode on my router?.....	27
Q11: How do I change the router's IP address?.....	31
Q12: How do I enable remote management for my router? .....	33
Q13: How to access the USB on my router?.....	35
Q14: Does DIR-883 support bridge mode? .....	38
Firmware Upgrade/Checking .....	39
Q15: How to upgrade firmware for router?.....	39
Q16: How to check firmware version of router?.....	42
Factory Reset.....	43
Q17: How to reset my router to factory default setting?.....	43
Q18: How do I backup/restore the configuration on my router?.....	44
Definitions .....	47
Q19: What is smart connect?.....	47
Q20: What is WPS? .....	48
Guest Zone Setting.....	49
Q21: How do I enable Guest Zone/Guest Access on my router?.....	49
Connection Checking/Troubleshooting.....	51
Q22: How many simultaneous users can my Wi-Fi network handle? .....	51
Q23: My router is dropping connections, how to fix this? .....	52
Q24: What can I do if I'm having wireless connection problems? .....	53
Q25: Why won't my VoIP device work with my router? .....	56
Port Forwarding/Virtual Server Setting .....	59
Q26: How do I enable DMZ on my router?.....	59
Q27: How do I open ports for routers?.....	60
Q28: How do I configure inbound filter?.....	65

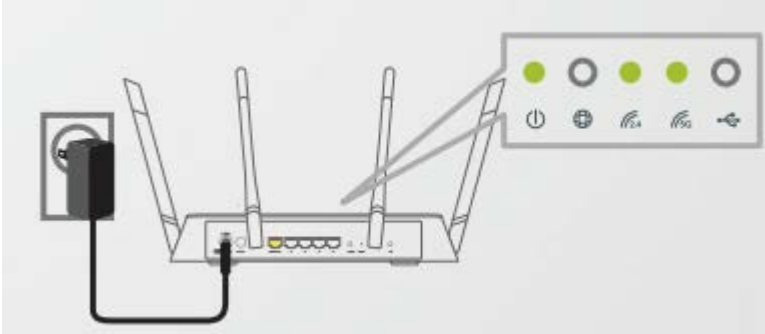
Website Filter Setting .....	68
Q29: How do I set up website filter on my router? .....	68
System Log .....	71
Q30: How to check system log for router? .....	71
DNS/DDNS .....	76
Q31: How do I configure Dynamic DNS on my router? .....	76
Q32: Why am I unable to register my device with dlinkddns? .....	78
Q33: How do I disable DNS relay? .....	79
QoS Setting .....	80
Q34: How do I configure QoS on my router? .....	80
Time/Schedule .....	83
Q35: How do I configure the time on my router? .....	83
Q36: How do I create schedule on my router? .....	86
VPN Setting .....	88
Q37: How to setup VPN connection? .....	88
Advanced Application .....	101
Q38: How do I connect two routers together? .....	101

# Proprietary items for COVR-3902

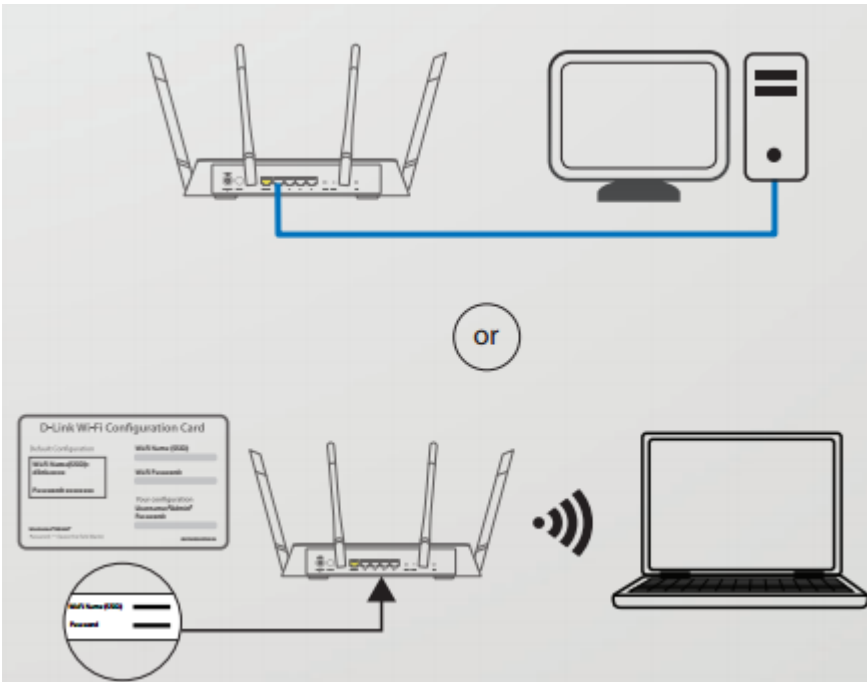
## Q1: How to setup my COVR-3902?

### Method 1: Setup by using a web browser

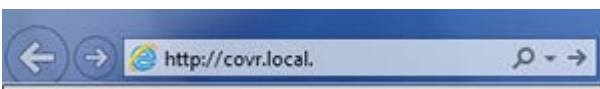
**Step 1:** Connect the power adapter to the Covr Router and plug into a power socket. Allow about one minute to boot up. Once the power LED is green, it's ready. **Do not plug the extender yet.**



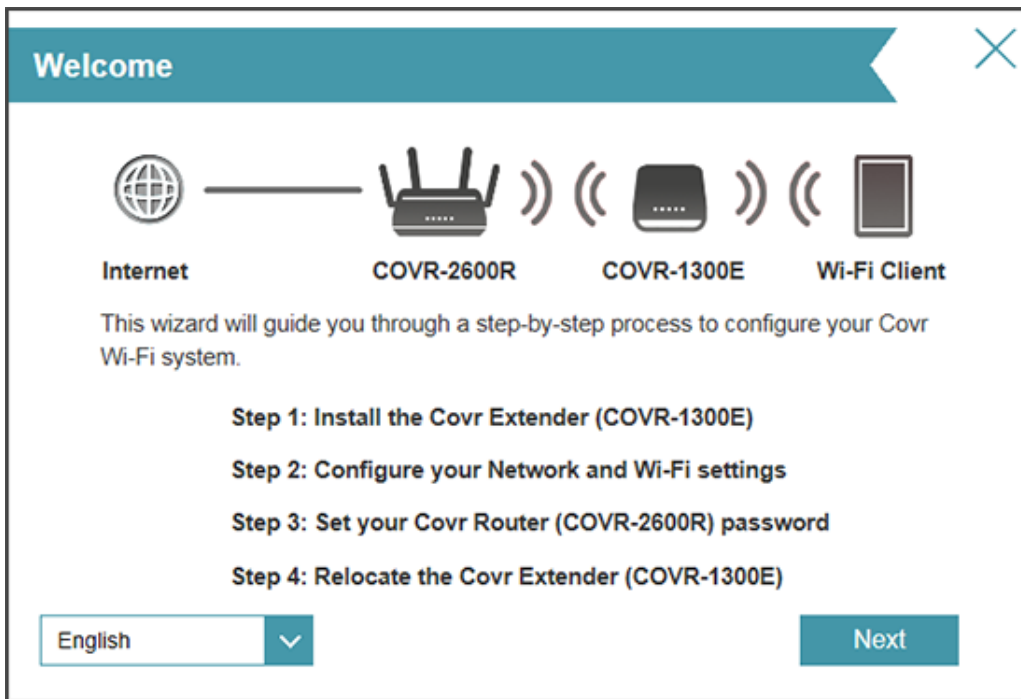
**Step 2:** You can use either a wired (Ethernet) or wireless (Wi-Fi) connection to set up your Covr Wi-Fi System.



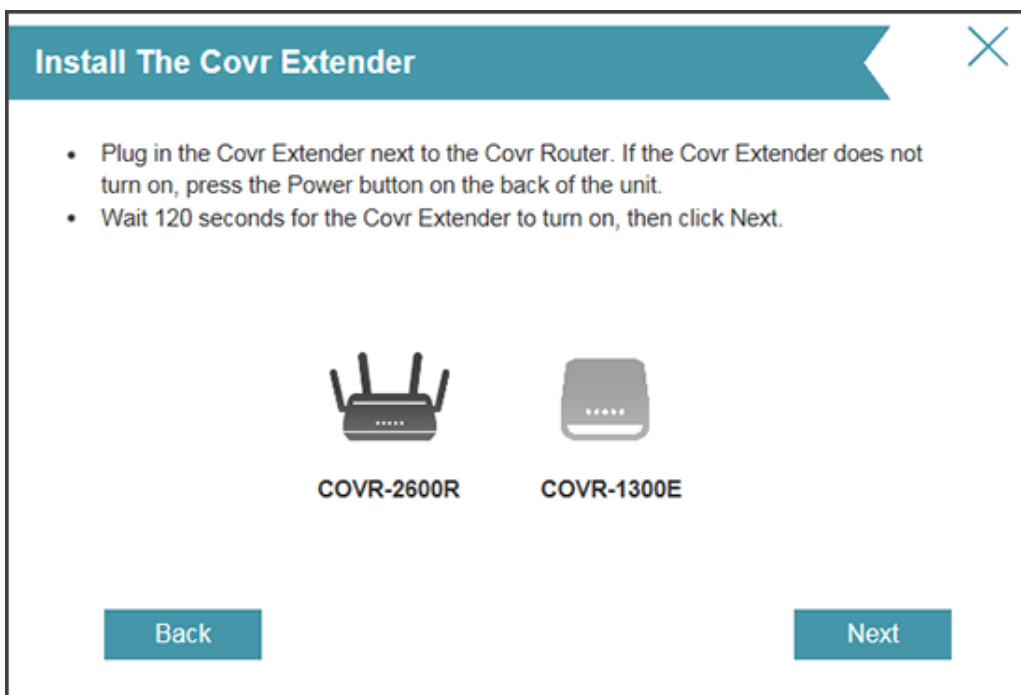
**Step 3:** Launch a web browser (such as Internet Explorer) and enter <http://covr.local> or the IP address of the router (default **192.168.0.1**), or <http://dlinkrouter.local> into the address bar:



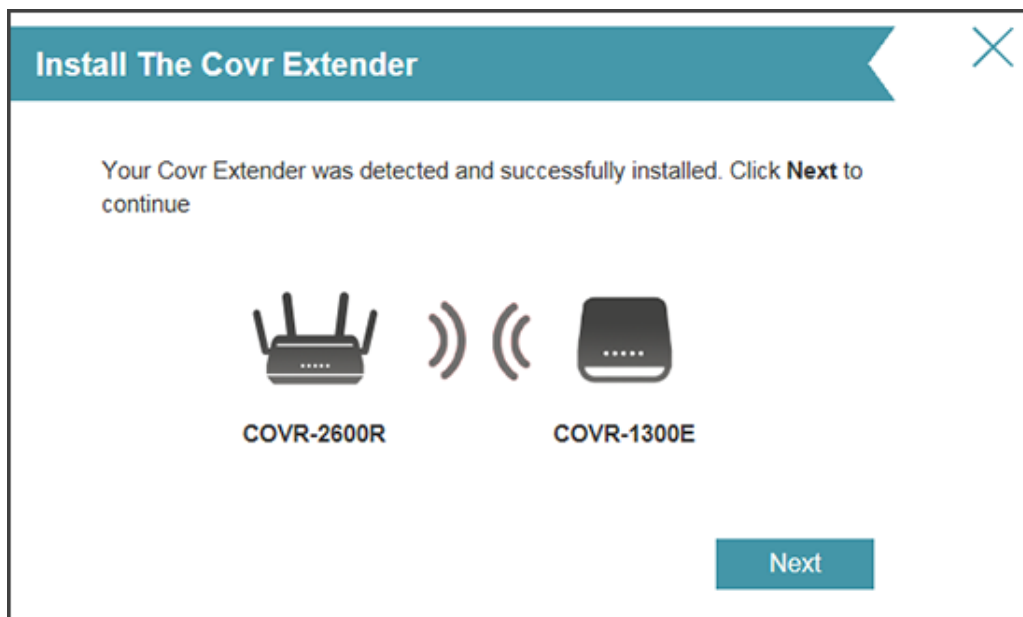
**Step 4:** The first time you log in, the wizard will automatically start. If you are prompted to log in, enter your password (blank by default) and click **Log in**. From the Home screen, hover over *Settings* at the top and click **Wizard**. Click **Next** to continue.



**Step 5:** Connect the power adapter to the COVR extender and plug it in near the router. Click **Next** and allow up to two minutes for the extender to boot up and connect to the router.

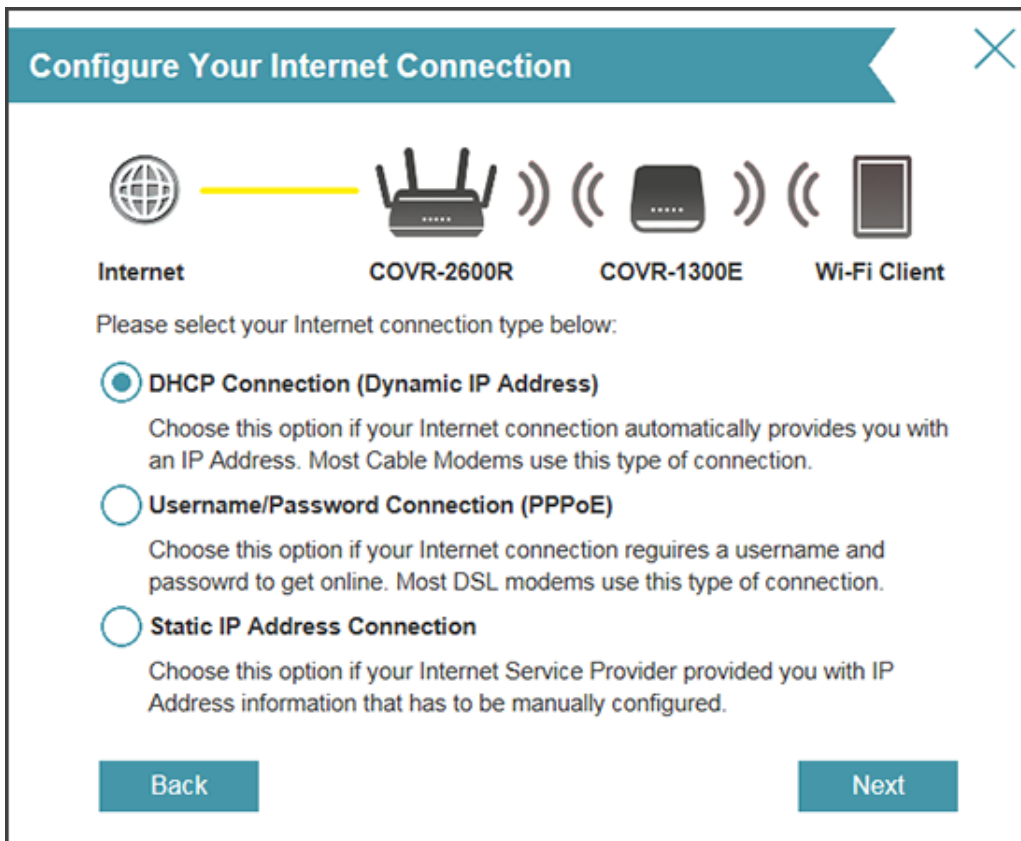


**Step 6:** Once the following screen appears, click **Next** to continue.



**Step 7:** The router will automatically try to detect your connection. If you have PPPoE, you will be prompted to enter your PPPoE user name and password (see step 8). For cable and dynamic connections, if detected, skip to step 7.

If the router cannot detect the connection type, the following screen will appear. Select the type of Internet connection you have and click **Next**. If you have a static connection, select **Static IP Address Connection** and you will be prompted to enter the IP address, subnet mask, default gateway, and DNS server(s) address(es). Skip to step 9.



**Step 8:** If you have PPPoE (most DSL), enter your PPPoE user name and password. Click **Next** to continue.

## PPPoE

**Internet**      **COVR-2600R**      **COVR-1300E**      **Wi-Fi Client**

To set up this Internet connection, you will need to have a User Name from your Internet Service Provider. If you do not have this information, please contact your ISP.

**Username:**

**Password:**

**Back**      **Next**

**Step 9:** Enter a Wi-Fi network name (SSID) and a Wi-Fi password. This name and password will be assigned to both the 2.4GHz and 5GHz bands on both the router and extender. Click **Next** to continue.

## Wi-Fi Settings

**Internet**      **COVR-2600R**      **COVR-1300E**      **Wi-Fi Client**

To set up a Wi-Fi network you will need to give your Wi-Fi network a name (SSID) and password.

**Covr Wi-Fi Network Name:**

**Covr Wi-Fi Password:**

**Back**      **Next**



**Step 10:** Enter a password for your COVR devices. This password will be used to access the web UI and the Wi-Fi app for both the router and extender. Write it down and then click **Next** to continue.

### Device Admin Password

Internet      COVR-2600R      COVR-1300E      Wi-Fi Client

By default, your new D-Link device does not have a password configured for administrator access to the Web-based configuration utility. To secure your new device, please create a password below.

Admin Password:

[Back](#)      [Next](#)

**Step 11:** A summary page will display your settings. If you want to make changes, click **Back**, otherwise click **Finish** to continue.

### Summary

Internet      COVR-2600R      COVR-1300E      Wi-Fi Client

Below is a summary of your Wi-Fi security and device password settings. Please make a note of your settings and click "Finish".

**Connection Type:** Dynamic IP (DHCP)  
**Covr Wi-Fi Network Name:** dlink-8E36  
**Covr Wi-Fi Password:** wzkb31567  
**Device Admin Password:** dlink12345

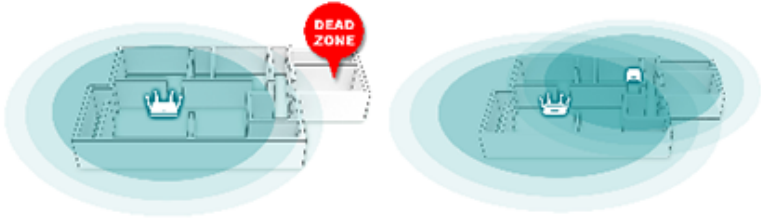
[Back](#)      [Finish](#)

**Step 12:** Click **Finish** to save your settings.

### Covr Extender Placement

Your Covr Wi-Fi System has been set up.

You may now unplug the Covr Extender and place it in a location **between your Covr Router and the Wi-Fi weak area or deadzone**. Once placed, verify that **all five LEDs are solid green**. If the two uplink LEDs are not solid green, move the Covr Extender closer to the Covr Router until they are.



Alternatively, you may connect the Covr Extender to the Covr Router using an Ethernet cable for better performance.

**NOTE:** Do not place the Covr Extender in a Wi-Fi weak spot or deadzone. The Covr Extender needs a strong signal from the Covr Router to work properly.

**Finish**

After finishing the configuration of your router and extender and the router boots back up, you may unplug the extender and place in a location between your router and any dead zones. When you plug the extender in, allow up to two minutes to boot. The LEDs will indicate your connection quality to the router. Green means it is a good connection, orange means a fair connection, and red means a poor connection. If orange or red, move the extender closer to the router.

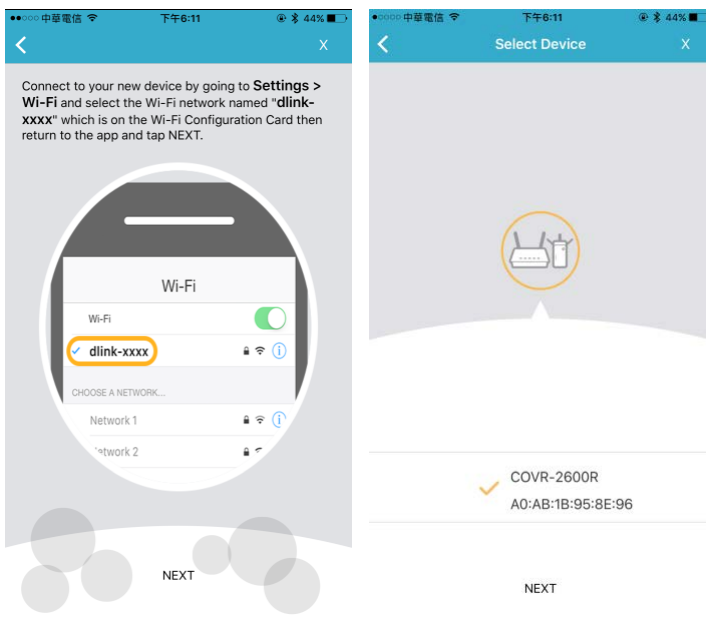
## Method 2: Setup by using D-Link Wi-Fi app

**Step 1:** Connect your mobile device (mobile phone or tablet) to Wi-Fi SSID/password written on the label at the bottom of your DIR-883 router:

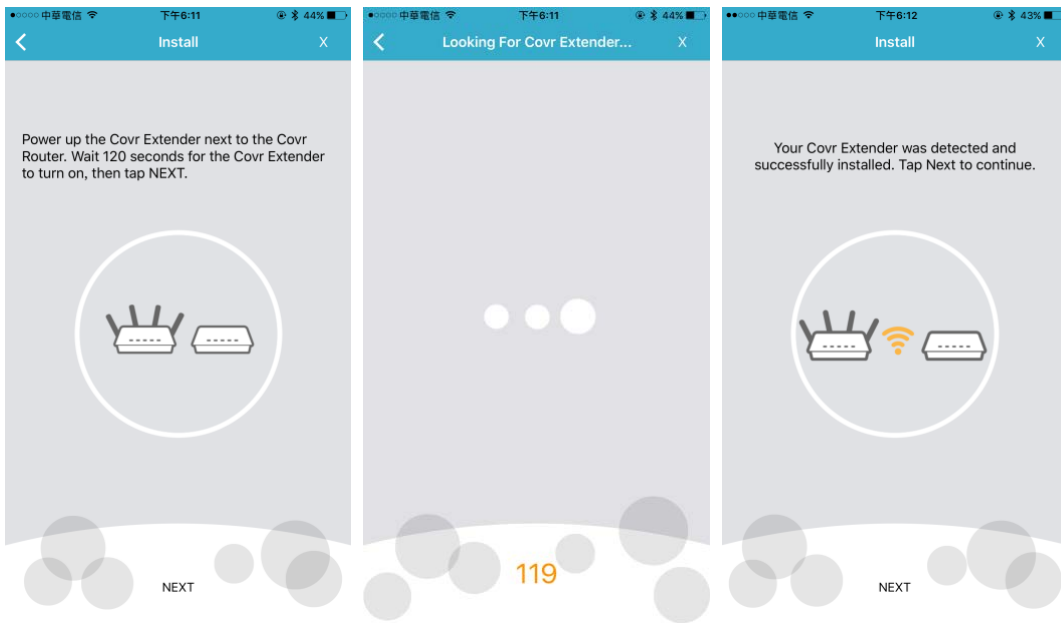


**Step 2:** Install D-Link Wi-Fi App to your mobile device. It's supportable by both Android and iOS.

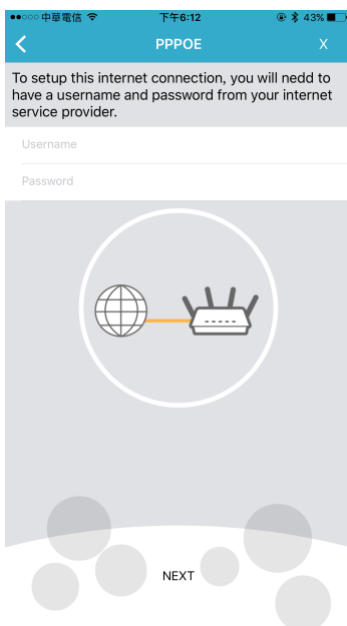
**Step 3:** Launch D-Link Wi-Fi App. If your device is connected to SSID on the label, Covr-2600R will be automatically scanned:



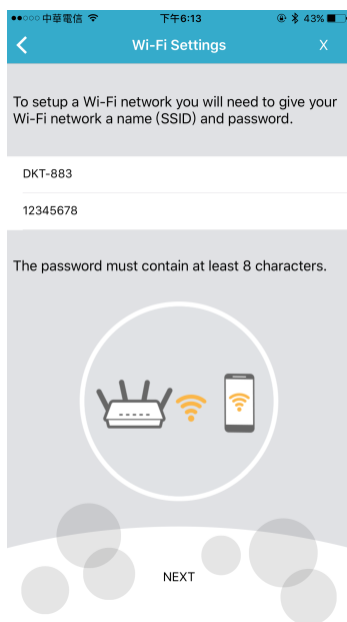
**Step 4:** Follow the instruction to power up Covr Extender:



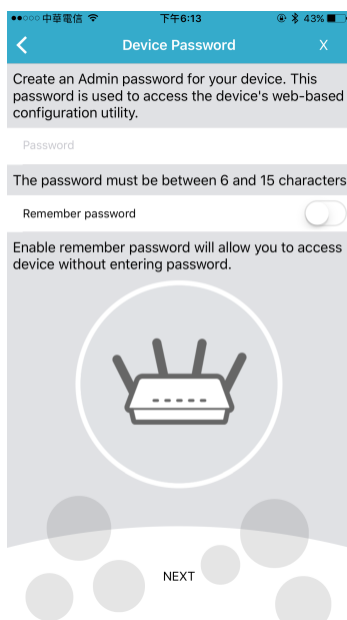
**Step 5:** Input the PPPoE connection username and password: (If you're not sure about it, please contact your ISP)



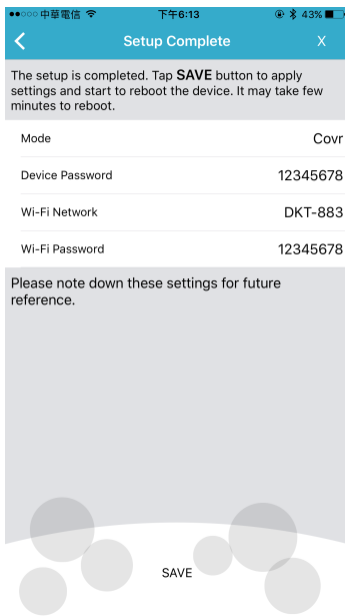
**Step 6:** Input the SSID and password you'd like to set:



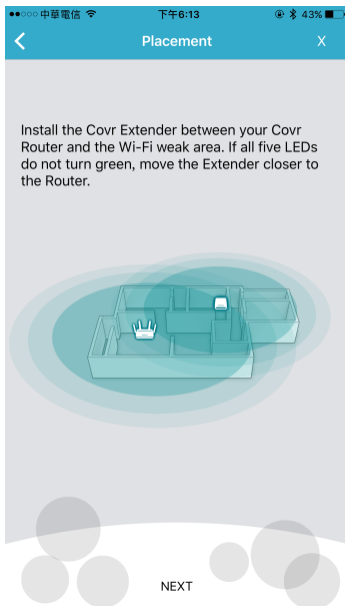
**Step 7:** Input the admin password you'd like to set:



**Step 8:** Confirm the related information again. If there's no problem, click SAVE:



**Step 9:** You can place your Covr Extender to where you would like to place now. Make sure all 5 LEDs do turn solid green. If not, move the Extender closer to the router:



## **Q2: What is the uniqueness of COVR-3902 compare to traditional routers plus range extender solutions?**

Unlike traditional routers plus range extender solutions where you need to switch from one to another to get the best connection, COVR-3902 works as one network, and automatically connects you to the strongest, most robust signal as you move throughout your home.

### Q3: Why DAP-1655 Wi-Fi Range Extender can't receive signal from DIR-883?

1. Ensure the router is in a well-ventilated and open area (Do not put the router in a cabinet or enclosed area).
2. Check and change the location of your DAP-1655 – even a subtle change (2-3 feet) can make a big difference.
  - Make sure that you move DAP-1655 to the place that the uplink LEDs can be solid green which indicates a solid connection to the uplink router.



3. Other devices that use 2.4GHz/5GHz wireless band will interfere with your wireless network, including Microwave, wireless cameras, baby monitors...etc. Place other devices in a different area if they are close to each other if you could.



## Q4: What does the WI-FI button on the back of my COVR-3902

do?

The WI-FI button on the back of the COVR-3902 is to turn the Wi-Fi On or Off from the router or the extender.

**Do not push** the Wi-Fi button on the back of the Covr Router or Extender unless you would like to turn the Wi-Fi off.

**Note:** If the **2.4Hz** and **5GHz** lights are not lit on the device, push and hold the Wi-Fi button on the back for 1 second.

### Covr router:



WIFI turned ON



WIFI turned OFF

### Covr Extender



WIFI turned OFF



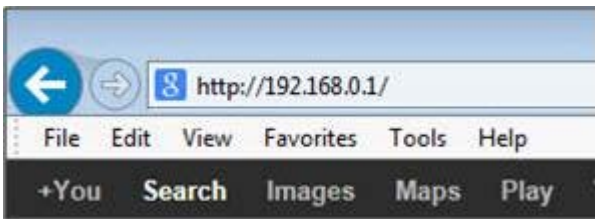
WIFI turned ON

# Device Setup/Installation

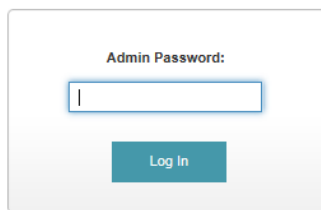
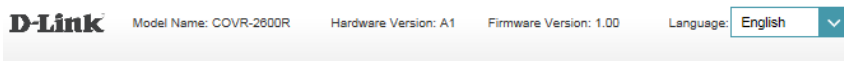
## Q5: How do I login to my router?

Verify that your computer is connected to the router either via an [Ethernet](#) cable or wireless connection, then follow the steps below:

**Step 1:** Open your web browser and enter the IP address of the router into the address bar (not in google). The default IP is 192.168.0.1, or using the link: <http://dlinkrouter.local>.



**Step 2:** You should be taken to a D-Link login page. By default, the username is admin and no password is required.



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**Note:** Administering a Router over Wi-Fi:

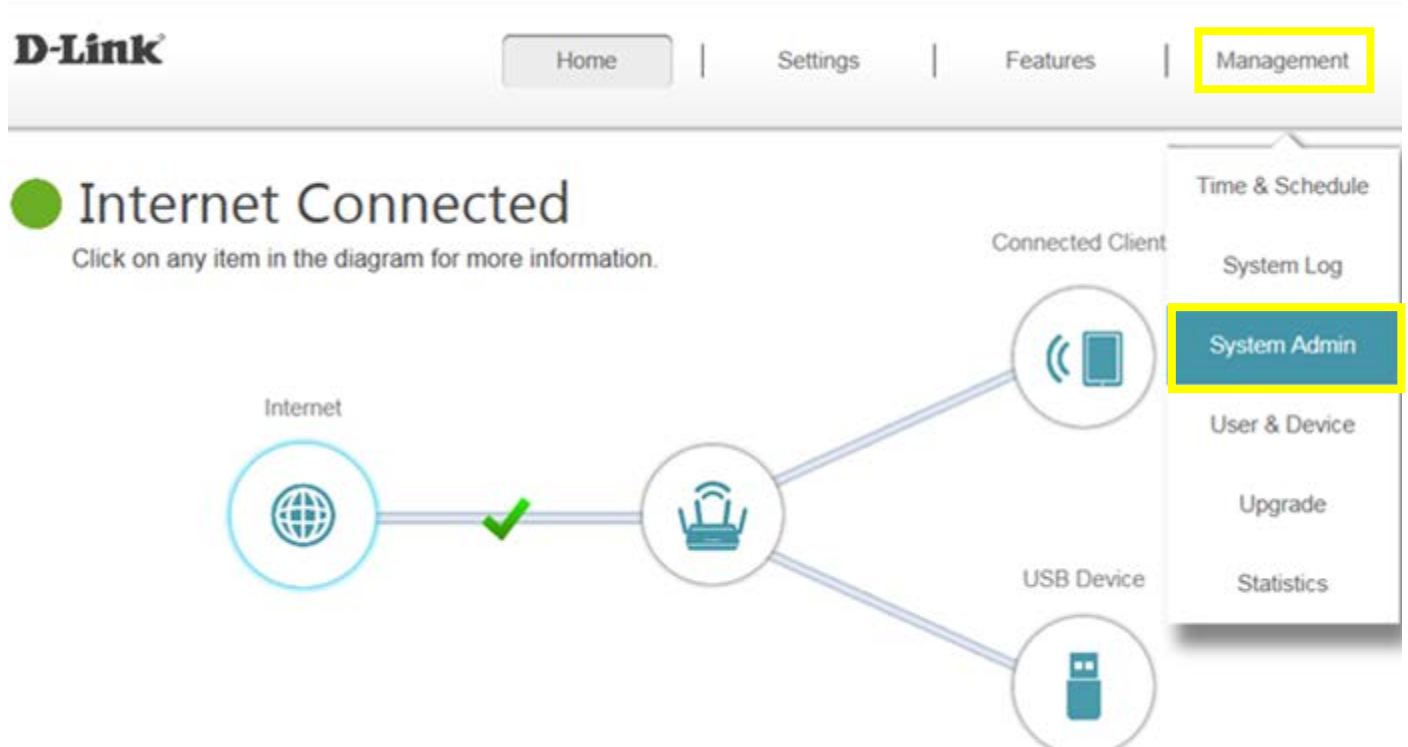
Setting up a router for the first time is best done over a wired connection so that your connection isn't dropped if the security or wireless settings are changed the process. However, it can be done over wireless too.

When connecting to a router via Wi-Fi, keep the computer close to the router - in the same room if necessary - to avoid [connection drops](#) due to interference or weak wireless signals.

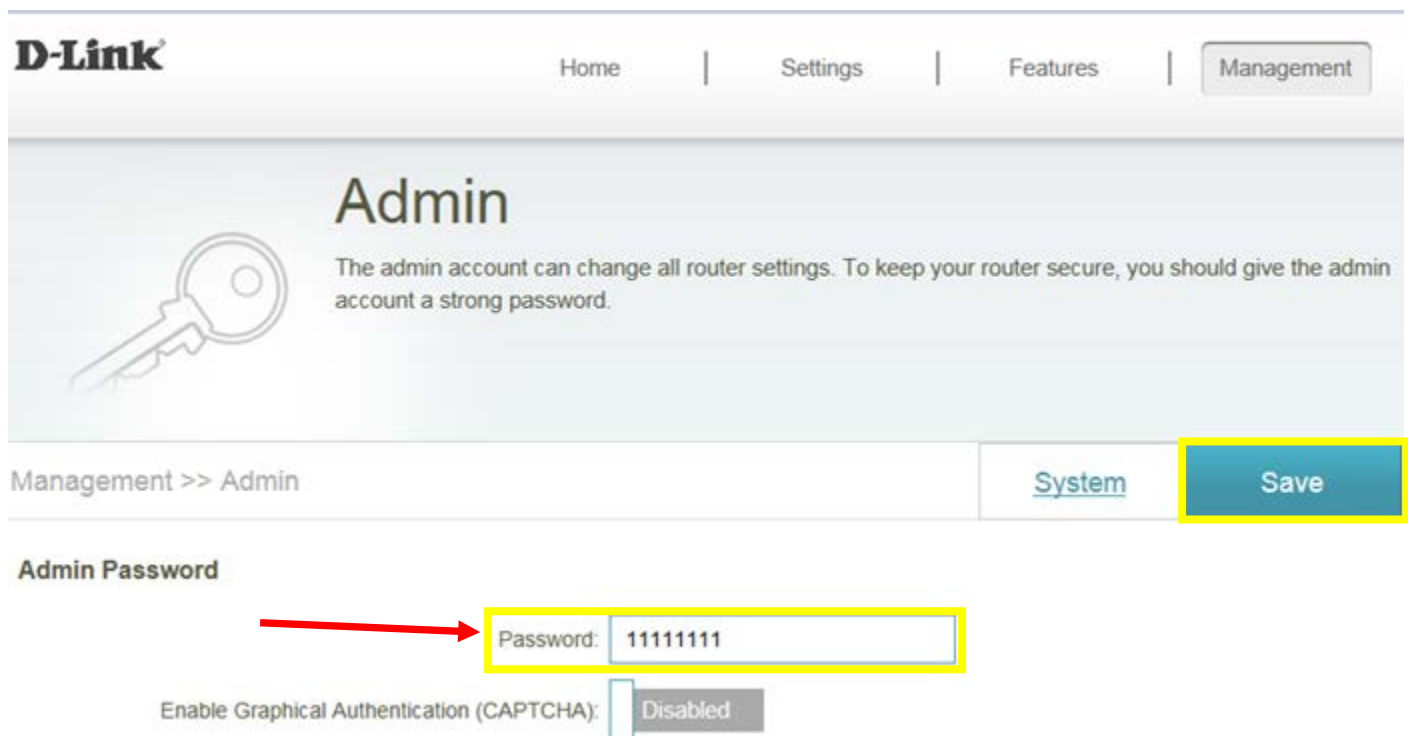
## Q6: How do I change the login password?

Please launch your browser and enter <http://dlinkrouter.local> or <http://192.168.0.1> into the address bar. Then login and follow the steps below:

**Step 1:** Click **Management** -> **System Admin**



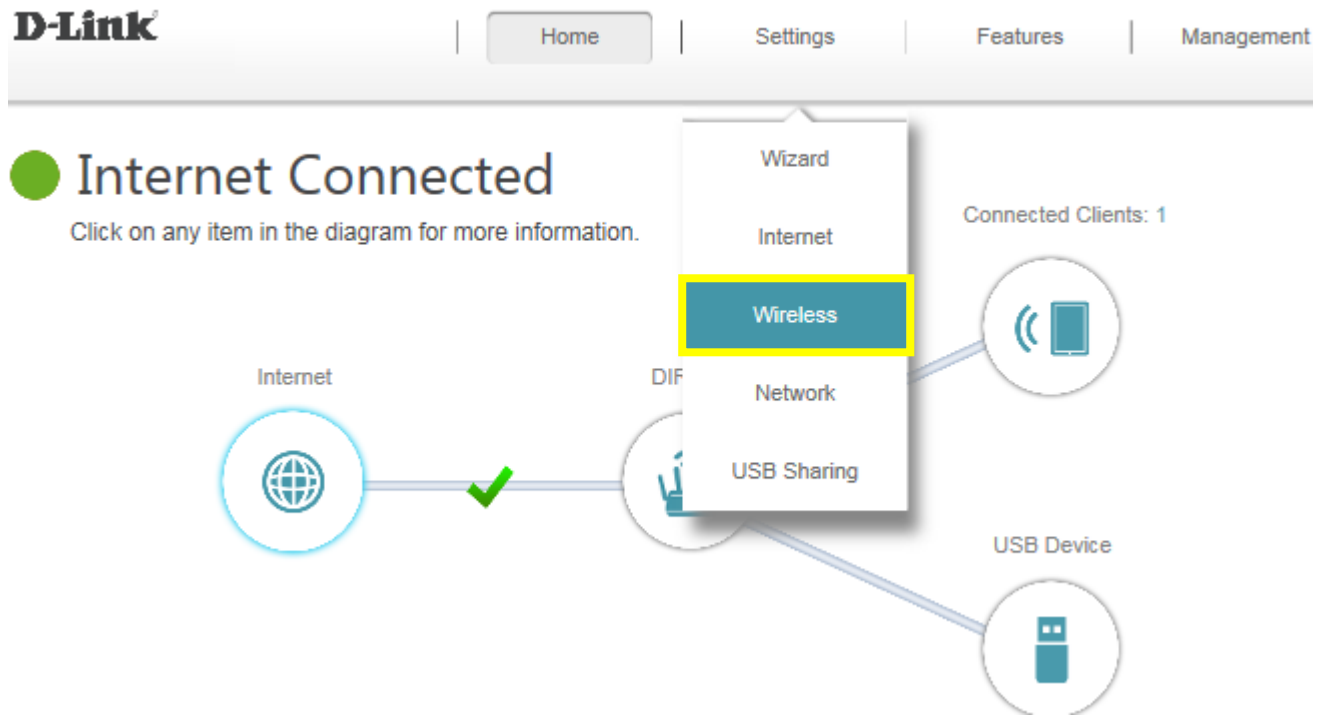
**Step 2:** Fill in the password you'd like to set and click **Save**:



## Q7: How do I set up and secure my wireless connection?

Please launch your browser and enter <http://dlinkrouter.local> or <http://192.168.0.1> into the address bar. Then login and follow the steps below:

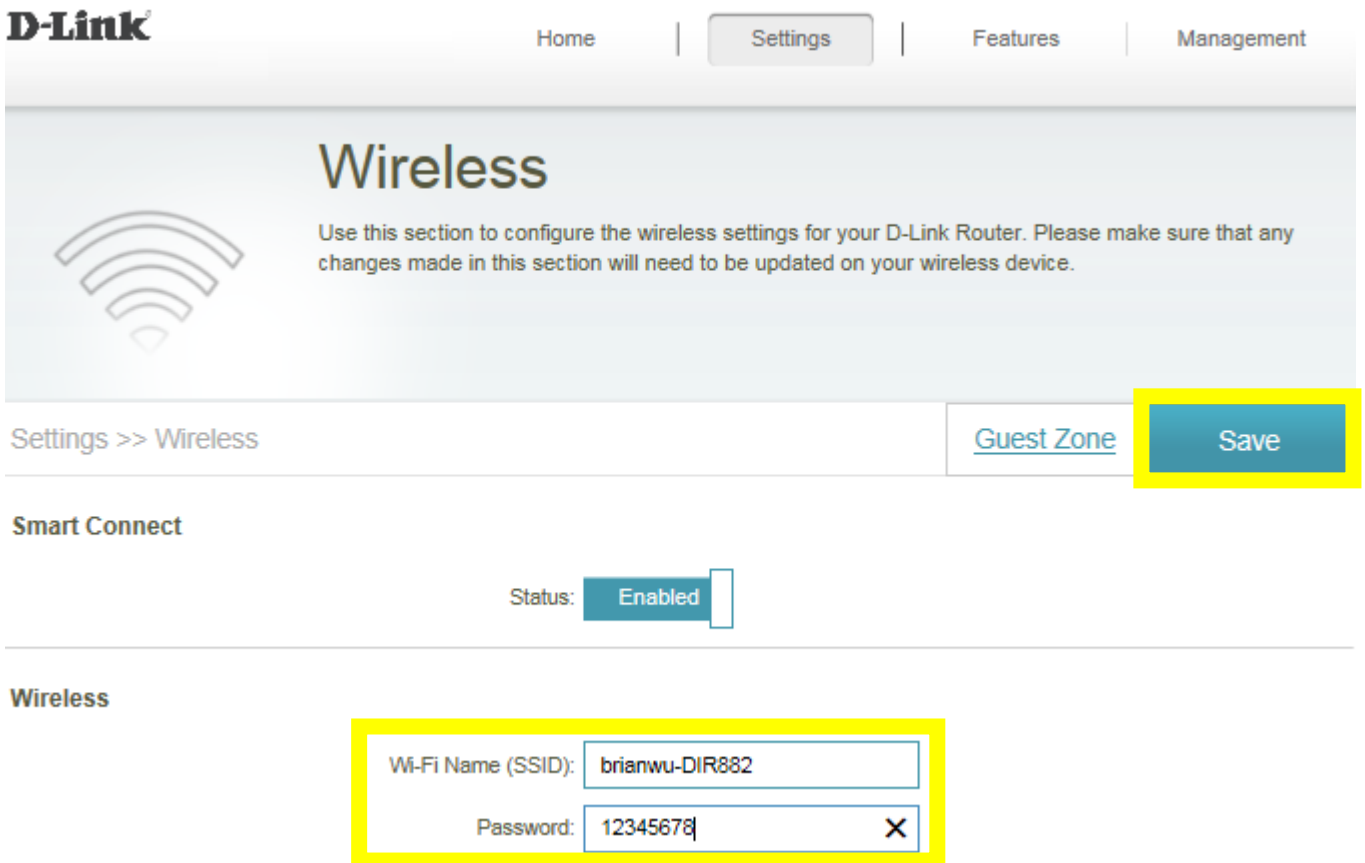
**Step 1:** Click **Settings** -> **Wireless**



**Step 2:** In the wireless **Wi-Fi name (SSID)** field (for both the 2.4 and 5GHz sections), erase the default name (dlink-xxxxx) and enter a unique wireless network name (This is the name you will see when scanning for wireless networks on your computer/wireless device).

In the password field, remove the default password and enter a new one of your choice. (Must be a minimum of 8 characters), then click **Save**.

(1) Smart Connect enabled:



**D-Link** Home | Settings | Features | Management

## Wireless

Use this section to configure the wireless settings for your D-Link Router. Please make sure that any changes made in this section will need to be updated on your wireless device.

Settings >> Wireless [Guest Zone](#) **Save**

### Smart Connect

Status: **Enabled**

### Wireless

Wi-Fi Name (SSID):

Password:  **X**

(2) Smart Connect disabled:

# Wireless

Use this section to configure the wireless settings for your D-Link Router. Please make sure that any changes made in this section will need to be updated on your wireless device.

Settings >> Wireless [Guest Zone](#) **Save**

## Smart Connect

Status:  Disabled

---

### 2.4GHz

Status:  Enabled

Wi-Fi Name (SSID):

Password:

[Advanced Settings...](#)

---

### 5GHz

Status:  Enabled

Wi-Fi Name (SSID):

Password:

[Advanced Settings...](#)

**Note:** Please check the detailed information about Smart Connect in the connection: [What is smart connect?](#)

# General Settings

## Q8: How to clone my PC MAC address to the router?

Some cable internet providers may request you to clone PC Mac address in order to go online through the router. It is recommended to clone MAC address from computer which was able to go online when connected to modem.

Please launch your browser and enter `http://dlinkrouter.local` or `http://192.168.0.1` into the address bar. Then login and follow the steps below:

**Step 1:** Click **Setting** -> **Internet**

The screenshot shows the D-Link router's web interface. At the top, there is a navigation bar with the D-Link logo on the left and buttons for 'Home', 'Settings', 'Features', and 'Management' on the right. A green arrow points down to the 'Settings' button, which is highlighted with a yellow box. Below the navigation bar, the main content area displays 'Internet Connected' with a green status indicator and the text 'Click on any item in the diagram for more information.' A network diagram shows 'Internet' connected to the router, with a green checkmark. A dropdown menu is open over the diagram, listing 'Wizard', 'Internet', 'Wireless', 'Network', and 'USB Sharing'. The 'Internet' option is highlighted with a yellow box, and a green arrow points to it from the text 'Connected Clients: 1'. Below the diagram, there are two input fields: 'Wi-Fi Name (SSID):' with the value 'brianwu-DIR882' and 'Password:' with the value '12345678' and a clear button (X).

**Step 2: Click Advanced Setting**

**D-Link** Home | Settings | Features | Management

## Internet

Use this section to configure your Internet Connection type. There are several connection types to choose from Static IP, DHCP, PPPoE, PPTP, L2TP and DS-Lite. If you are unsure of your connection method, please contact your Internet service provider. Note: If using the PPPoE option, you will need to remove or disable any PPPoE client software on your computers.

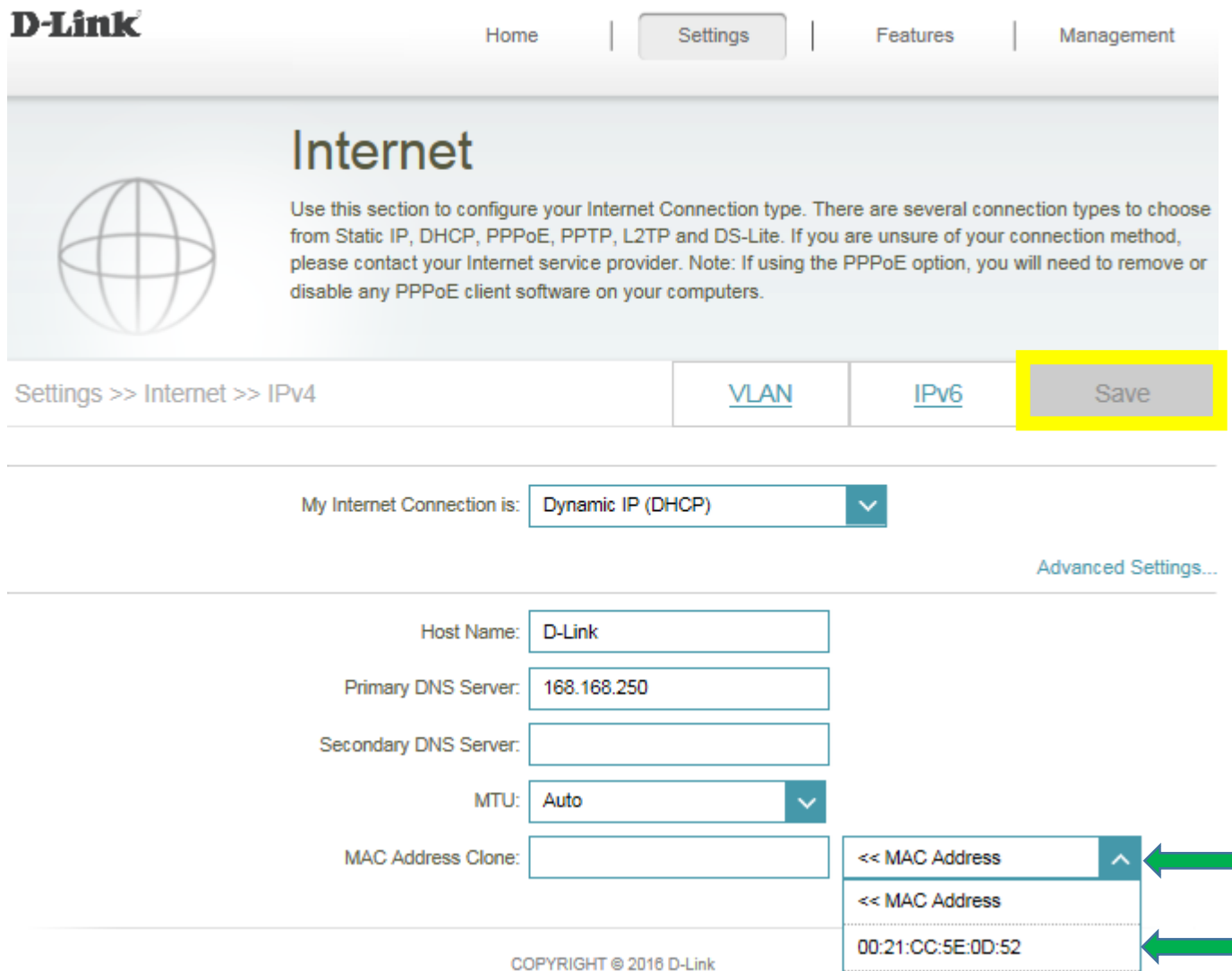
Settings >> Internet [VLAN](#) [IPv6](#) Save

My Internet Connection is:

 [Advanced Settings](#)



**Step 3:** Key in Mac address or select one Mac address from the drop-down menu and click **Save**




**D-Link** Home | Settings | Features | Management

## Internet

Use this section to configure your Internet Connection type. There are several connection types to choose from Static IP, DHCP, PPPoE, PPTP, L2TP and DS-Lite. If you are unsure of your connection method, please contact your Internet service provider. Note: If using the PPPoE option, you will need to remove or disable any PPPoE client software on your computers.

Settings >> Internet >> IPv4 | [VLAN](#) | [IPv6](#) | **Save**


My Internet Connection is:  


[Advanced Settings...](#)



Host Name:

Primary DNS Server:

Secondary DNS Server:

MTU:  

MAC Address Clone:  

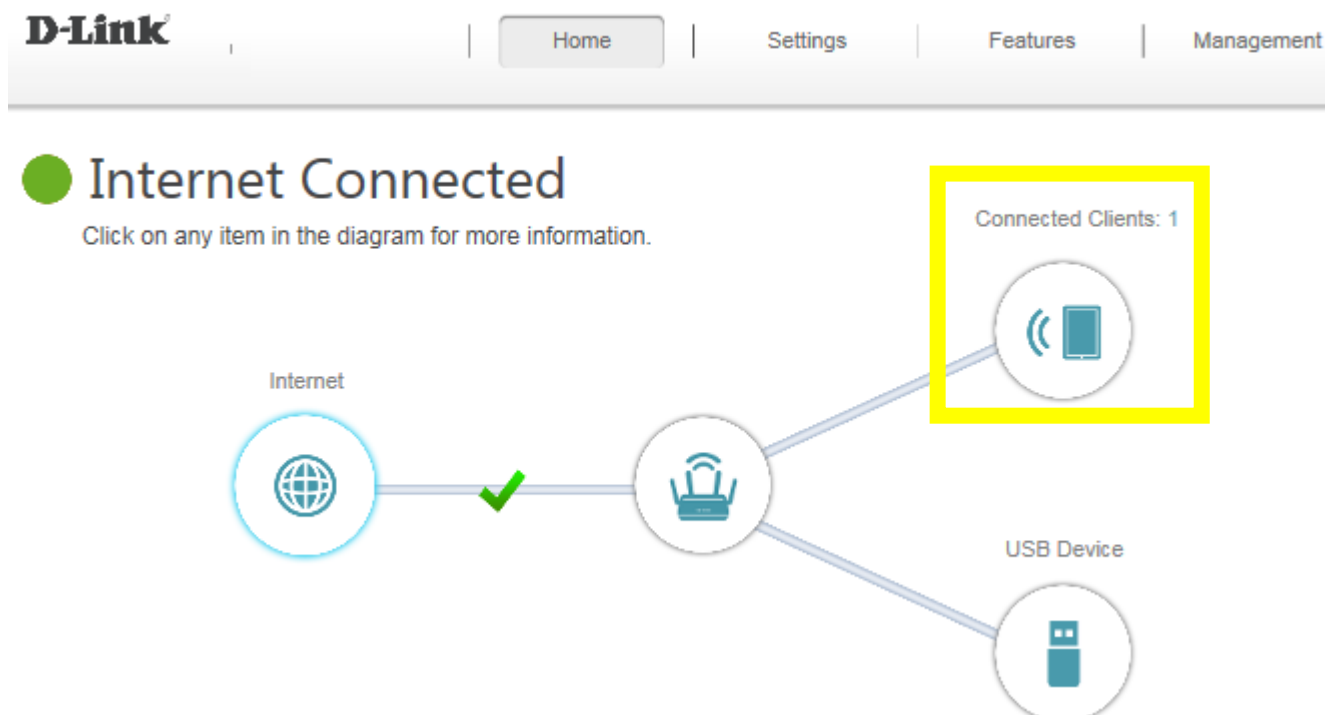
- << MAC Address 
- << MAC Address
- 00:21:CC:5E:0D:52 

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## Q9: How do I configure DHCP reservation?

Please launch your browser and enter <http://dlinkrouter.local> or <http://192.168.0.1> into the address bar. Then login and follow the steps below:





**Step 1:** Click **Connected Clients** from the **Home** Tab:



**Step 2:** Click the **Pencil Icon** next to your client you'd like to adjust:

### Connected Clients

You can block a device from accessing your network completely.

	08384NBWIN7	
	Flextronics 192.168.0.156	
Parental Control: Disabled		Parental Control: Disabled

**Step 3:** Click **Reserve IP** to enable the function. Fill in the reserved IP address, then click **Save**.

## Edit Rule



Name:

Vendor: Flextronics

MAC Address: 00:21:cc:5e:0d:52

IP Address: 192.168.0.156

Reserve IP:  Enabled  Remaining:24

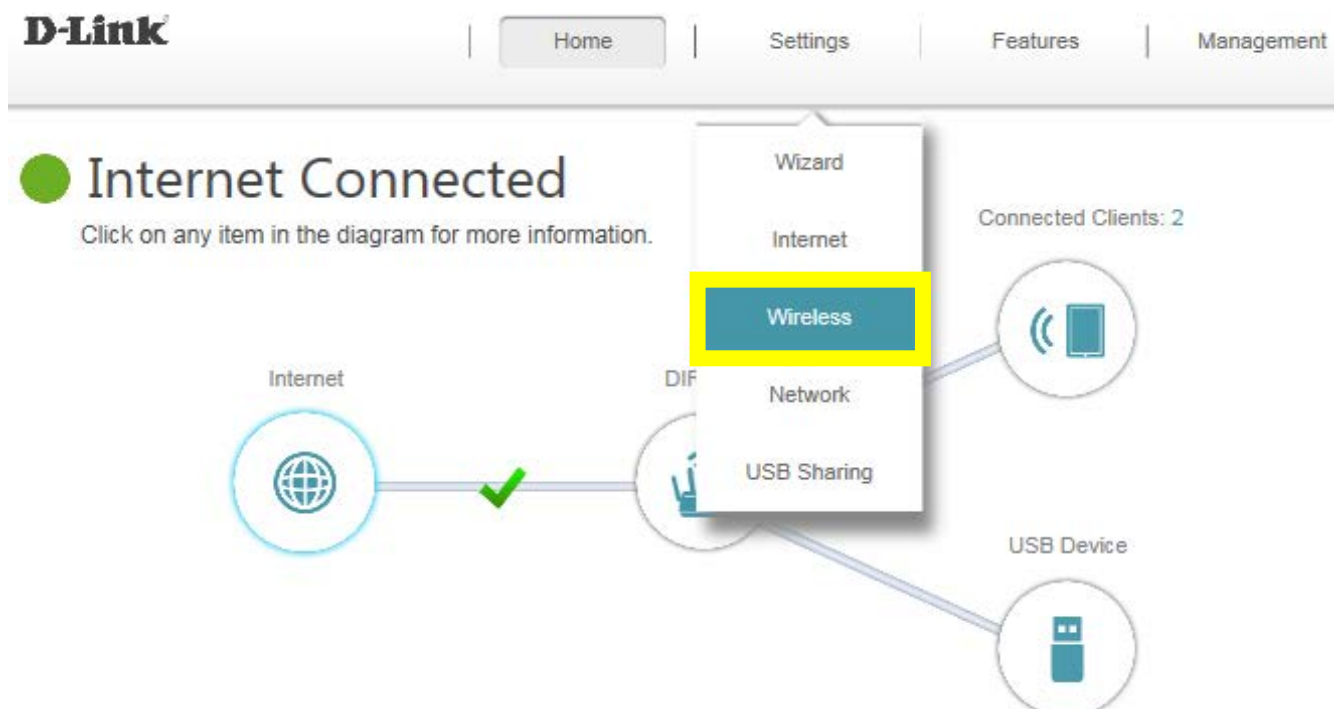
IP Address (Reserved):    
[It will take effect after reconnecting](#)

Parental Control:  Disabled

## Q10: How do I configure 802.11 mode on my router?

Please launch your browser and enter <http://dlinkrouter.local> or <http://192.168.0.1> into the address bar. Then login and follow the steps below:

**Step 1:** Click **Settings** -> **Wireless**



**Step 2:** Disable **Smart Connect**, and select the 802.11 mode for 2.4GHz/5GHz band:

Settings >> Wireless [Guest Zone](#) [Save](#)

---

**Smart Connect**

Status:  Disabled

---

**2.4GHz**

Status:  Enabled

Wi-Fi Name (SSID):

Password:

[Advanced Settings...](#)

---

Security Mode:  ▼

**802.11 Mode:  ▼**

Wi-Fi Channel:  ▼

Transmission Power:  ▼

Channel Width:  ▼

HT20/40 Coexistence:  Enabled

Visibility Status:  ▼

[Schedule](#):  ▼

## 5GHz

Status:  Enabled

Wi-Fi Name (SSID):

Password:

[Advanced Settings...](#)

Security Mode:

802.11 Mode:

Wi-Fi Channel:


Transmission Power:

Channel Width:

Visibility Status:

[Schedule:](#)

**Step 3:** Click **Save** to save your configuration.



# Wireless

Use this section to configure the wireless settings for your D-Link Router. Please make sure that any changes made in this section will need to be updated on your wireless device.

Settings >> Wireless [Guest Zone](#) **Save**

### Smart Connect

Status:  Disabled

### 2.4GHz

Status:  Enabled

Wi-Fi Name (SSID):

Password:

[Advanced Settings...](#)

### 5GHz

Status:  Enabled

Wi-Fi Name (SSID):

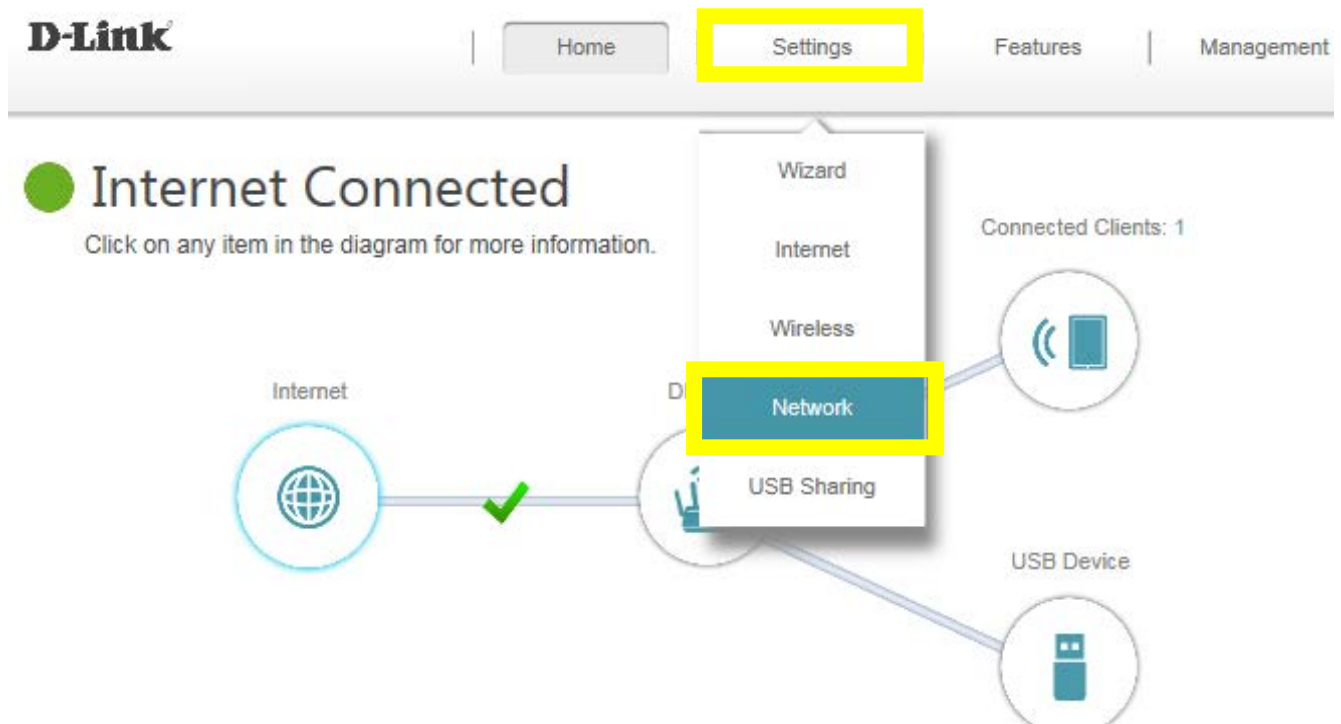
Password:

[Advanced Settings...](#)

## Q11: How do I change the router's IP address?

Please launch your browser and enter <http://dlinkrouter.local> or <http://192.168.0.1> into the address bar. Then login and follow the steps below:

**Step 1:** Click **Settings** -> **Network**





**Step 2:** Change the IP address as needed under **Network Setting**, and click **Save**



Home

Settings

Features

Management

## Network



Use this section to configure the network settings for your device. You can enter a name for your device in the management link field, and use the link to access web UI in a web browser. We recommend you change the management link if there are more than one D-Link devices within the network.

Settings >> Network

Save

### Network Settings

LAN IP Address:

Subnet Mask:

Management Link: http://  .local/

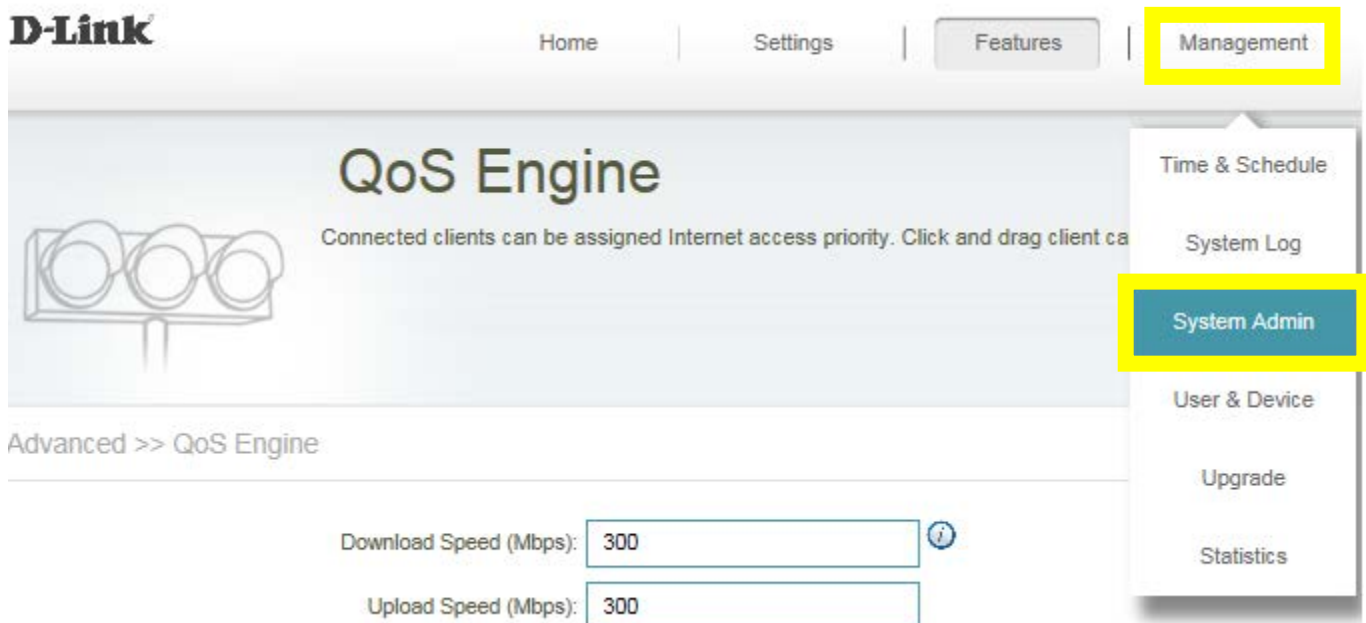
Local Domain Name:

Enable DNS Relay:  Enabled

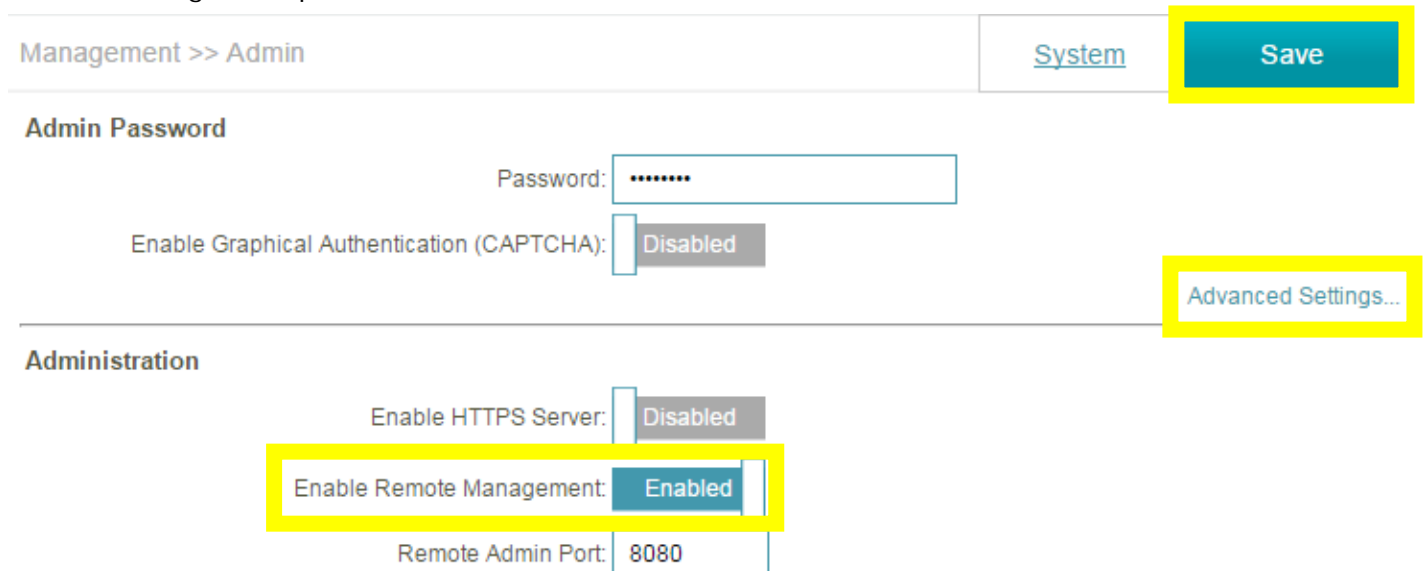
## Q12: How do I enable remote management for my router?

Please launch your browser and enter <http://dlinkrouter.local> or <http://192.168.0.1> into the address bar. Then login and follow the steps below:

**Step 1:** Click **Management** -> **System Admin**



**Step 2:** Click **Advanced Settings**, and enable Remote Management, then click **Save**. The default remote management port: 8080.



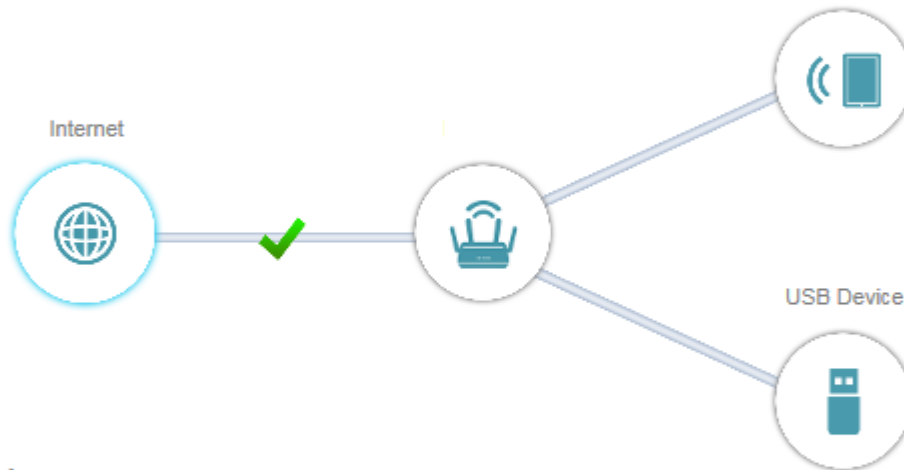
**Note:** To access your router remotely, from a web browser enter: <http://<your WAN IP>:8080>.  
e.g. <http://172.17.2.74:8080>

You can find your WAN IP by clicking on the **Home** tab. It will be displayed under the Internet Section.

## Internet Connected

Click on any item in the diagram for more information.

Connected Clients: 1



### Internet

[IPv4](#) / [IPv6](#)

**Cable Status:** Connected  
**Connection Type:** Dynamic IP (DHCP)  
**Network Status:** Connected  
**Connection Uptime:** 0 Day 21 Hour 31 Min 10 Sec

**MAC Address:** 74:DA:DA:1D:F0:08  
**IP Address:** 172.17.2.75  
**Subnet Mask:** 255.255.255.0  
**Default Gateway:** 172.17.2.254

## Q13: How to access the USB on my router?

**Step 1:** Connect your USB drive to the USB port on your router.

**Step 2:** Click on the **Setting** -> **USB Sharing**, and confirm if **"Windows File Sharing (SAMBA)"** is enabled:

The screenshot shows the D-Link router's web management interface. At the top, the 'Settings' menu is highlighted in yellow. Below it, a network diagram shows 'Internet Connected' with a green checkmark. A dropdown menu is open over the diagram, with 'USB Sharing' highlighted in yellow. Below the diagram is a section titled 'USB Sharing' with a description: 'USB Sharing allows you to share photos, music, movies and files simply by connecting a USB drive to your router. Access your files on your local network using SAMBA or UPnP media sharing, or access them over the web using FTP.' Below this is a breadcrumb 'Settings >> USB Sharing' and buttons for 'User' and 'Save'. The 'DLNA Media Server' section shows 'Status: Enabled' and 'DLNA Media Server: DIR-882\_DMS'. The 'Windows File Sharing (SAMBA)' section shows 'Status: Enabled', which is highlighted with a yellow box.

**D-Link** Home Settings Features Management

Internet Connected  
Click on any item in the diagram for more information.

Wizard  
Internet  
Wireless  
Network  
USB Sharing

Connected Clients: 1

### USB Sharing

USB Sharing allows you to share photos, music, movies and files simply by connecting a USB drive to your router. Access your files on your local network using SAMBA or UPnP media sharing, or access them over the web using FTP.

Settings >> USB Sharing [User](#) Save


**DLNA Media Server**

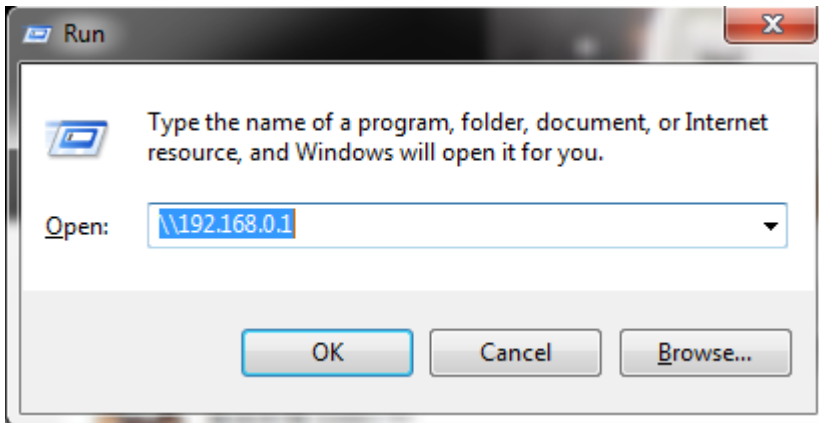
Status:

DLNA Media Server:

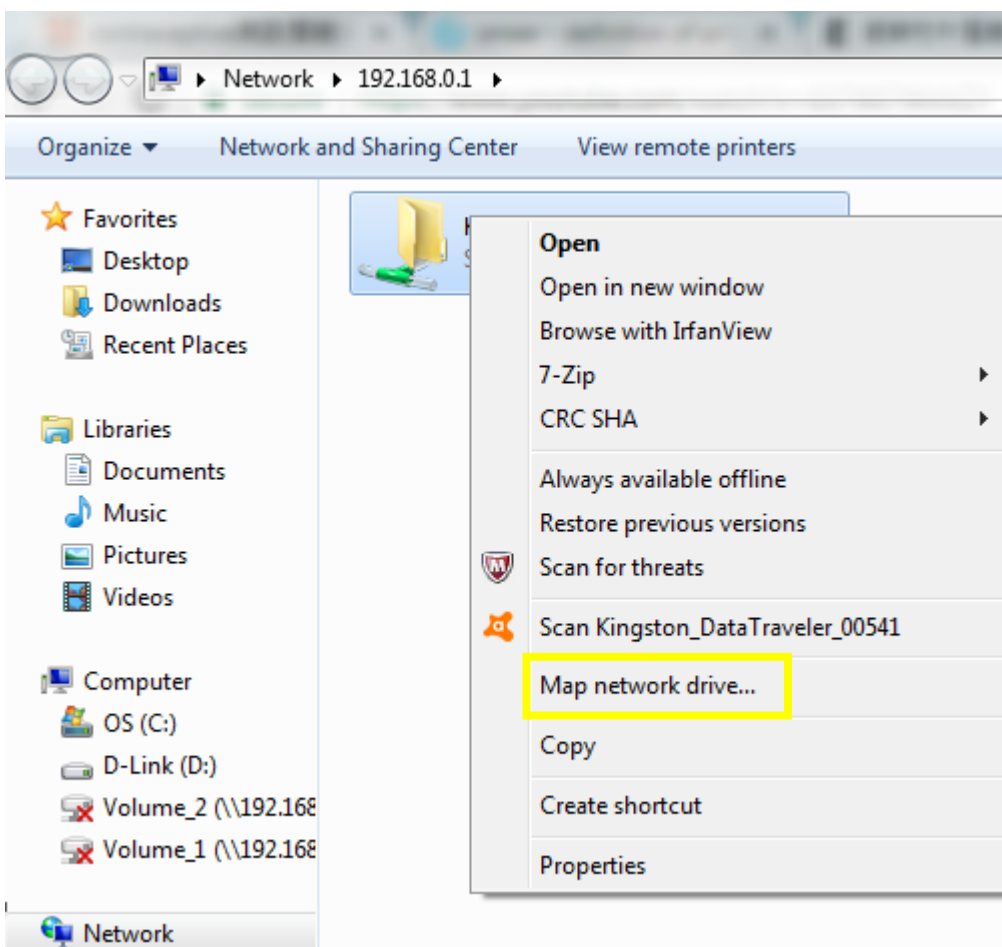
**Windows File Sharing (SAMBA)**

Status:

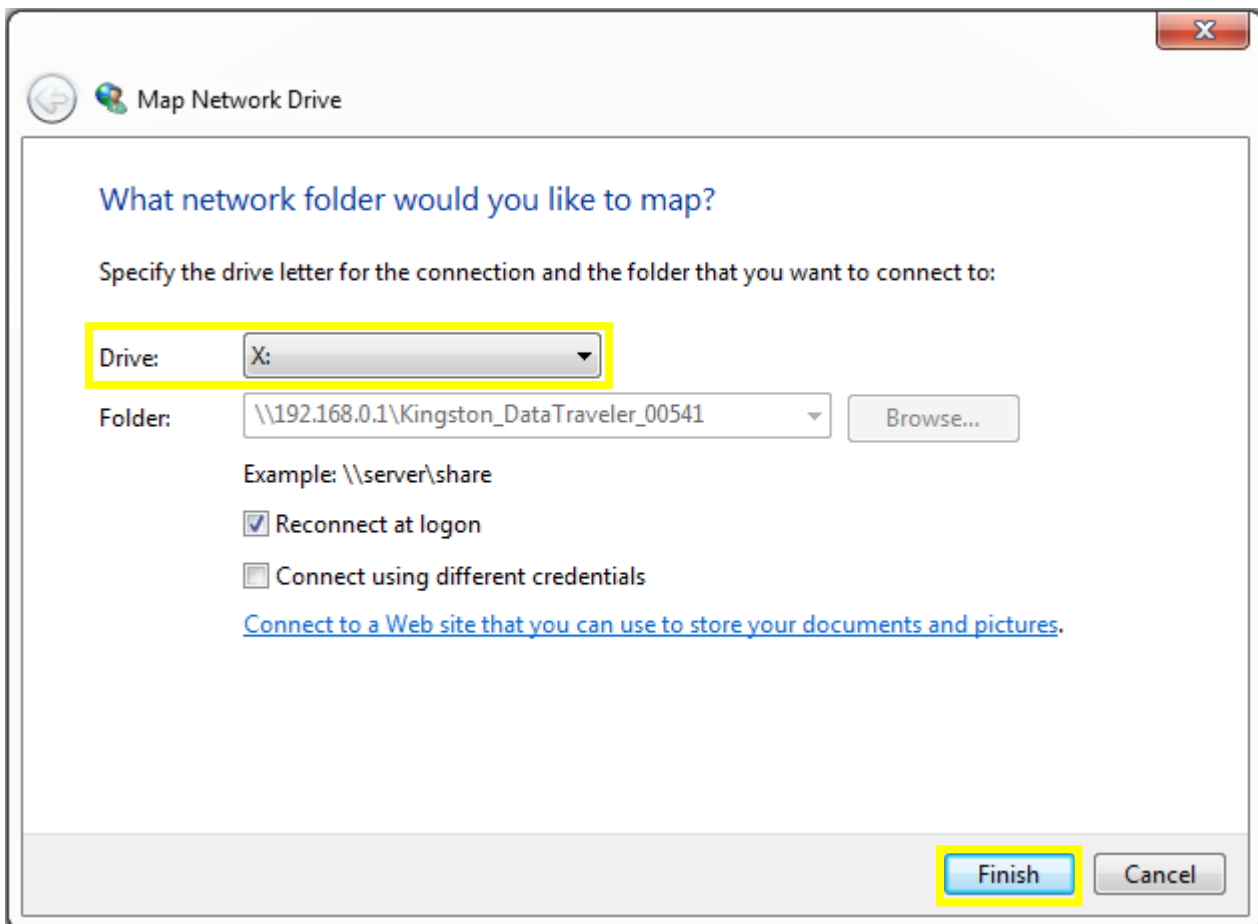
**Step 3:** Click on “Windows key  + R” on your key board. Then type “\\192.168.0.1” and press OK. (192.168.0.1: Your router IP address). Then your USB drive shall be accessible.



**Step 4:** Right click your USB Drive and select **Map Network Drive**.



**Step 5:** Select your desired Drive Letter and Click **Finish**



## Q14: Does DIR-883 support bridge mode?

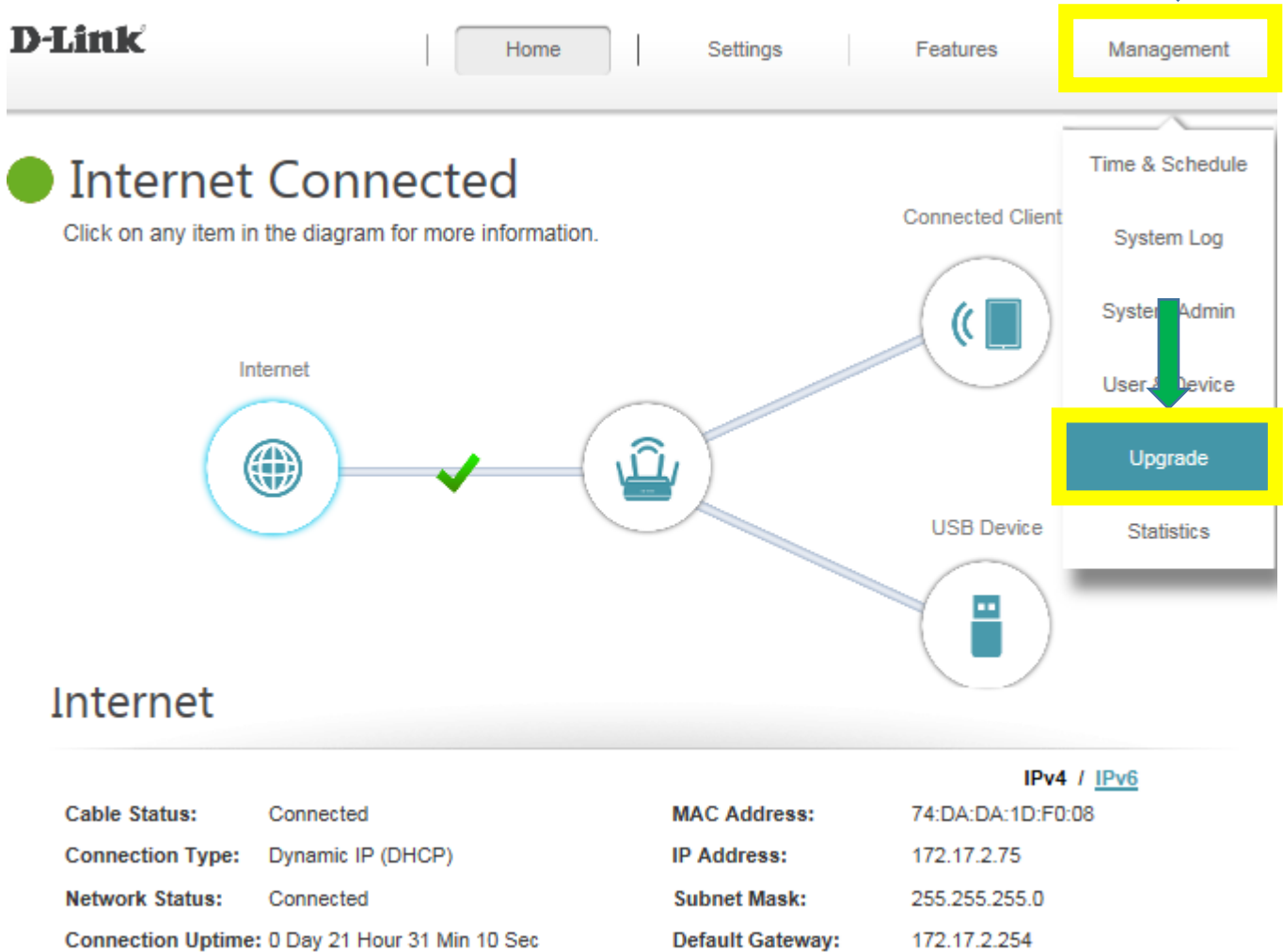
DIR-883 does not support bridge mode. Currently, the models support bridge mode are: [DIR-895L](#), [DIR-885L](#), [DIR-880L](#), [DIR-868L](#), [DIR-865L](#), [DIR-605L](#).

# Firmware Upgrade/Checking

## Q15: How to upgrade firmware for router?

Please launch your browser and enter <http://dlinkrouter.local> or <http://192.168.0.1> into the address bar. Then login and follow the steps below:

**Step 1:** Click **Management** -> **Upgrade**

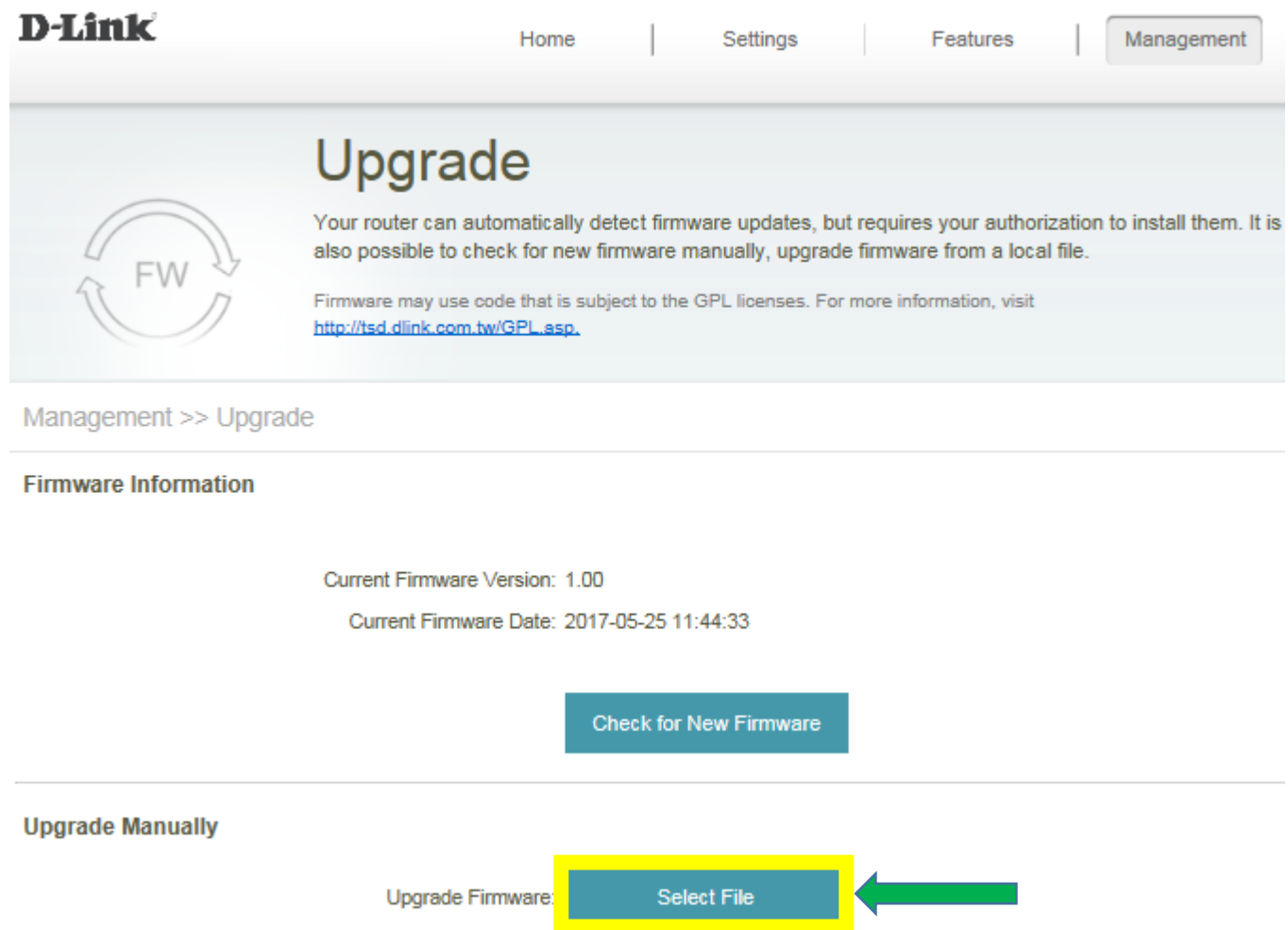


The screenshot shows the D-Link router's web management interface. At the top, there is a navigation bar with the D-Link logo and buttons for 'Home', 'Settings', 'Features', and 'Management'. The 'Management' button is highlighted with a yellow box, and a green arrow points down to it. Below the navigation bar, there is a status section titled 'Internet Connected' with a green dot and a sub-instruction: 'Click on any item in the diagram for more information.' A network diagram shows the router connected to the Internet, a Connected Client, and a USB Device. A dropdown menu is open from the 'Management' button, showing options: 'Time & Schedule', 'System Log', 'System Admin', 'User & Device', 'Upgrade', and 'Statistics'. The 'Upgrade' option is highlighted with a yellow box, and a green arrow points down to it. Below the diagram, there is a section titled 'Internet' with a table of network status and configuration details.

Internet		IPv4 / IPv6	
<b>Cable Status:</b>	Connected	<b>MAC Address:</b>	74:DA:DA:1D:F0:08
<b>Connection Type:</b>	Dynamic IP (DHCP)	<b>IP Address:</b>	172.17.2.75
<b>Network Status:</b>	Connected	<b>Subnet Mask:</b>	255.255.255.0
<b>Connection Uptime:</b>	0 Day 21 Hour 31 Min 10 Sec	<b>Default Gateway:</b>	172.17.2.254



**Step 2:** Click **Select File** to browse for the firmware:



**D-Link** Home | Settings | Features | Management

## Upgrade

Your router can automatically detect firmware updates, but requires your authorization to install them. It is also possible to check for new firmware manually, upgrade firmware from a local file.

Firmware may use code that is subject to the GPL licenses. For more information, visit <http://tsd.dlink.com.tw/GPL.asp>.

Management >> Upgrade

### Firmware Information

Current Firmware Version: 1.00  
Current Firmware Date: 2017-05-25 11:44:33

Check for New Firmware


### Upgrade Manually

Upgrade Firmware: **Select File**

### Step 3: Click **Upload**

**D-Link** Home | Settings | Features | Management

# Upgrade



Your router can automatically detect firmware updates, but requires your authorization to install them. It is also possible to check for new firmware manually, upgrade firmware from a local file.

Firmware may use code that is subject to the GPL licenses. For more information, visit <http://tsd.dlink.com.tw/GPL.asp>.

Management >> Upgrade

#### Firmware Information

Current Firmware Version: 1.00

Current Firmware Date: 2017-05-25 11:44:33

Check for New Firmware

*Firmware you selected to upload*

#### Upgrade Manually

Upgrade Firmware:

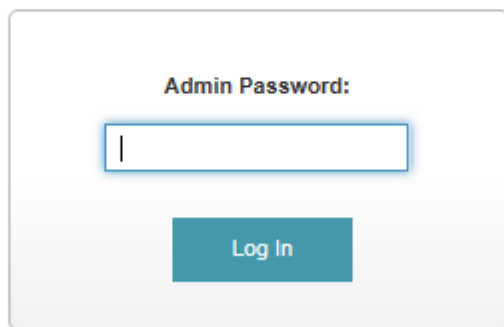
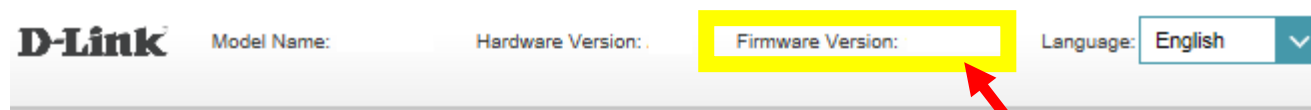
Select File

DIR882A1\_FW100B07.bin

Upload

## Q16: How to check firmware version of router?

Please launch your browser and enter `http://dlinkrouter.local` or `http://192.168.0.1` into the address bar. The firmware version can be found at the upper right of the page.

A login form for the router's admin interface. It is contained within a light gray rounded rectangle. At the top, it says 'Admin Password:'. Below this is a white text input field with a blue border and a vertical cursor on the left. Underneath the input field is a teal rectangular button with the text 'Log In' in white.

# Factory Reset

## Q17: How to reset my router to factory default setting?

If you forget the password of your router's configuration interface, you can do a factory reset to return the settings to the factory defaults.

Impact of Factory Reset:

- (1) Erase all current settings, and this action cannot be undone.
- (2) The password for the Administrator (Admin) account will be reset to the default.
- (3) Resetting the router does not reset the firmware to the previous version

**Step 1:** With the unit on, use the end of a paperclip to press the reset button for seven seconds, which is located inside a small hole on the base of the unit. The power light on the front of the router will turn orange to indicate that the unit is restarting.



**Step 2:** The unit will reboot automatically. Once the power light stops blinking, the unit has been reset and is ready to use.

## Q18: How do I backup/restore the configuration on my router?

Please launch your browser and enter <http://dlinkrouter.local> or <http://192.168.0.1> into the address bar. Then login and follow the steps below:

**Step 1:** Click **Management** -> **System Admin**

The screenshot shows the D-Link router's web management interface. At the top, there is a navigation bar with 'Home', 'Settings', 'Features', and 'Management' (highlighted in yellow). Below the navigation bar, a green circle indicates 'Internet Connected' with the instruction 'Click on any item in the diagram for more information.' A network diagram shows the router connected to the Internet, a Connected Client, and a USB Device. A dropdown menu is open under 'Management', with 'System Admin' highlighted in yellow. Other options in the menu include 'Time & Schedule', 'System Log', 'User & Device', 'Upgrade', and 'Statistics'.

### Internet

		IPv4 / <a href="#">IPv6</a>	
Cable Status:	Connected	MAC Address:	74:DA:DA:1D:F0:08
Connection Type:	Dynamic IP (DHCP)	IP Address:	172.17.2.75
Network Status:	Connected	Subnet Mask:	255.255.255.0
Connection Uptime:	0 Day 21 Hour 31 Min 10 Sec	Default Gateway:	172.17.2.254

**Step 2:** Click **System**

The screenshot shows the 'System' configuration page in the D-Link router's web management interface. The 'System' tab is highlighted in yellow. Below the navigation bar, there is a breadcrumb trail 'Management >> Admin' and a 'Save' button. The 'Admin Password' section is visible, with a 'Password:' field containing eight dots and a 'Disabled' button for 'Enable Graphical Authentication (CAPTCHA)'. A link for 'Advanced Settings...' is located at the bottom right.

**Step 3:** Click **Save** to save the configuration:

Management >> System

[Admin](#)

Save

### System

Save Settings To Local Hard Drive:

Save

Load Settings From Local Hard Drive:

Select File

Restore To Factory Default Settings:

Restore

**Step 4:** To restore your configuration, click the **Select File button** and select your configuration backup file. Once selected, click **Restore**.

Management >> System [Admin](#)

**System**

Save Settings To Local Hard Drive:

Load Settings From Local Hard Drive:

Restore To Factory Default Settings:

Management >> System [Admin](#)

**System**

Save Settings To Local Hard Drive:

Load Settings From Local Hard Drive:  DIR882A1\_FW100B07.bin *configuration file you selected*

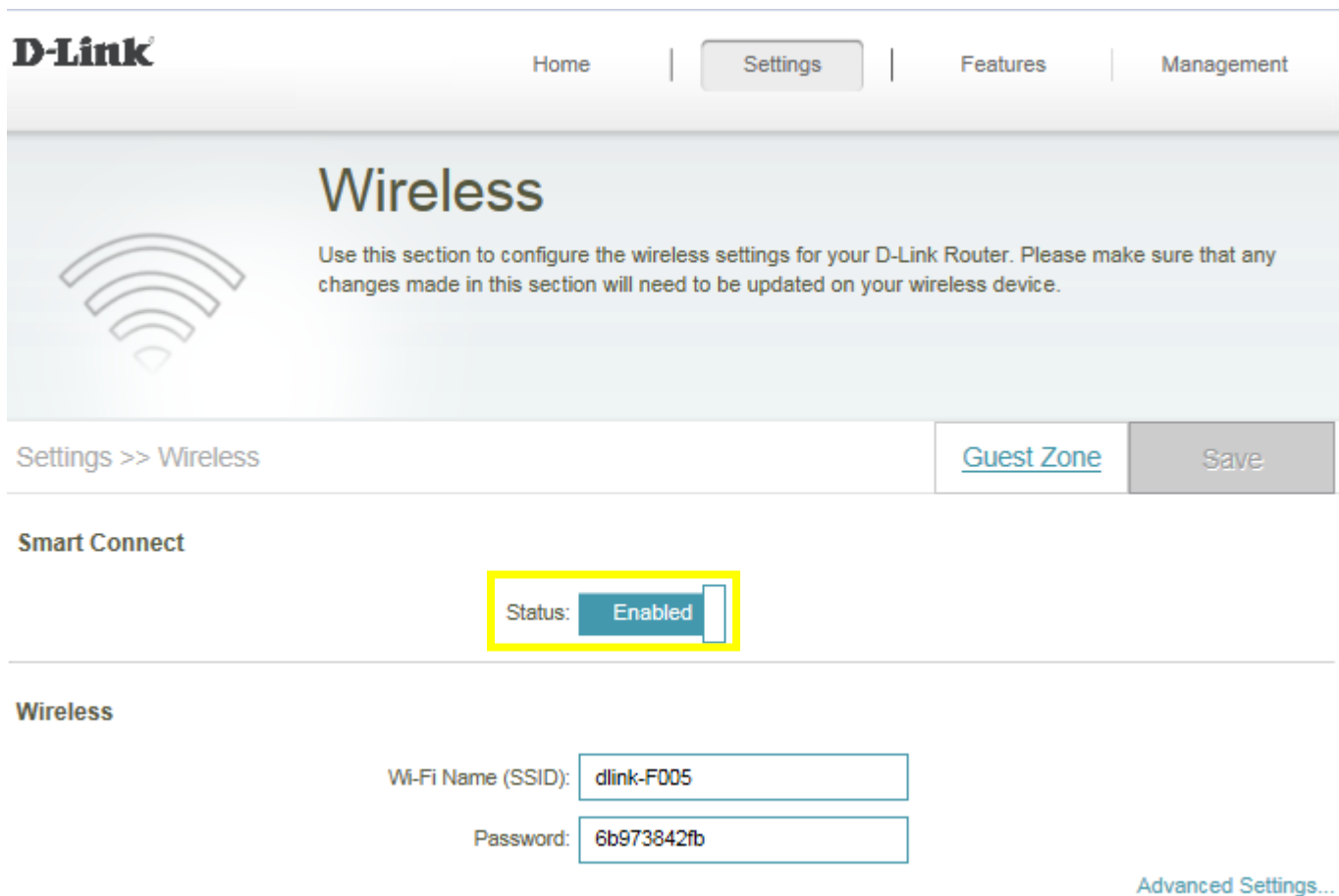
Restore To Factory Default Settings:

# Definitions

## Q19: What is smart connect?

**Smart Connect** - Creates a 'single' wireless network for your devices to connect to. Behind the scenes, the router automatically determines whether to connect a device to the 2.4 or 5 GHz band, thereby providing the best speed and range for each device and optimally distributing devices to each network.

Smart connect is enabled by default in **Setting** -> **Wireless**:



The screenshot shows the D-Link router's web interface. At the top, there is a navigation bar with 'Home', 'Settings', 'Features', and 'Management'. The 'Settings' tab is selected. Below the navigation bar, the page title is 'Wireless'. A sub-header reads: 'Use this section to configure the wireless settings for your D-Link Router. Please make sure that any changes made in this section will need to be updated on your wireless device.' Below this, there are two buttons: 'Guest Zone' and 'Save'. The 'Smart Connect' section shows a status of 'Enabled' with a yellow box around it. Below that, the 'Wireless' section shows two input fields: 'Wi-Fi Name (SSID): dlink-F005' and 'Password: 6b973842fb'. A link for 'Advanced Settings...' is visible at the bottom right of the settings area.

If disable smart connect, you'll need to configure 2.4GHz/5GHz band individually.



## **Q20: What is WPS?**

Wi-Fi Protected Setup (WPS) is a standard to connect wireless devices together easily and secure. To use WPS, your product must support WPS and be compatible with WPA/WPA2 security.

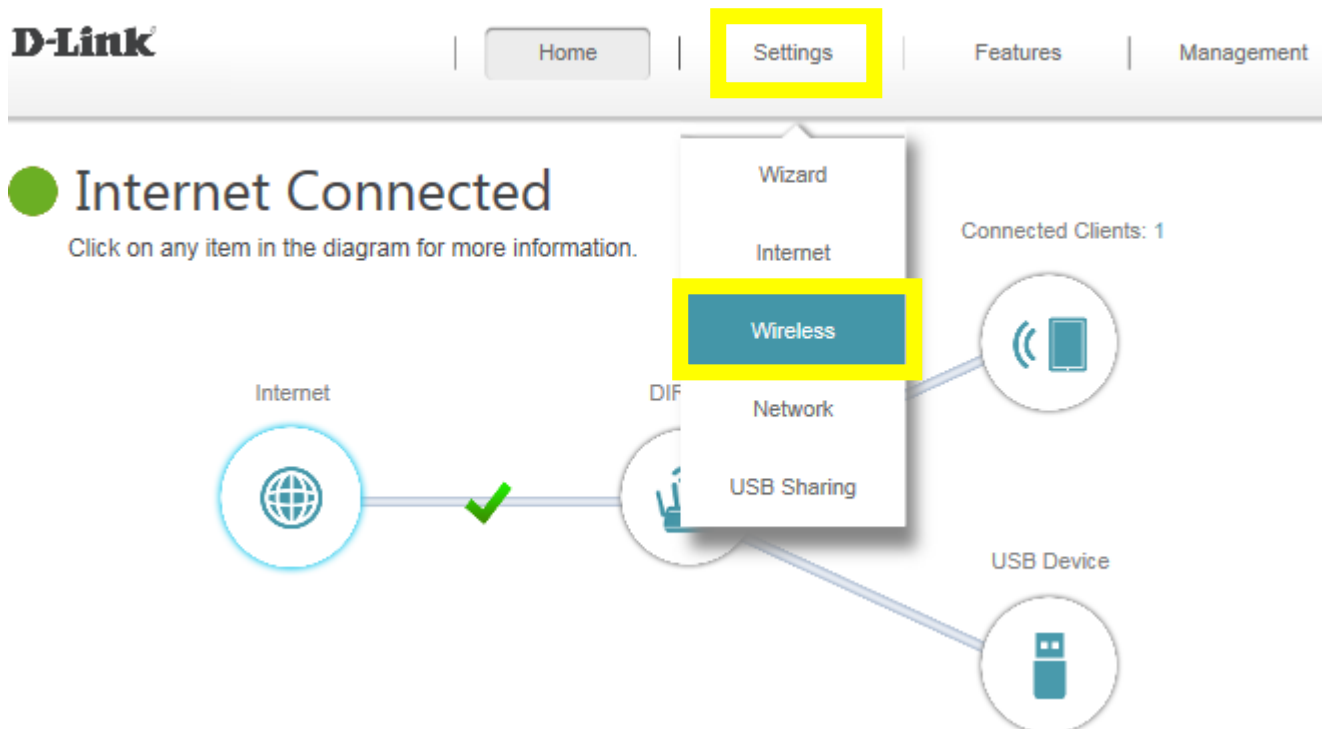
To use, simply press the WPS button on your router or access point, and then press the WPS button on your wireless client (sometimes may be enabled by software) within 2 minutes. The router/access point will automatically configure your client with your Wi-Fi name (SSID) and Wi-Fi password.

# Guest Zone Setting

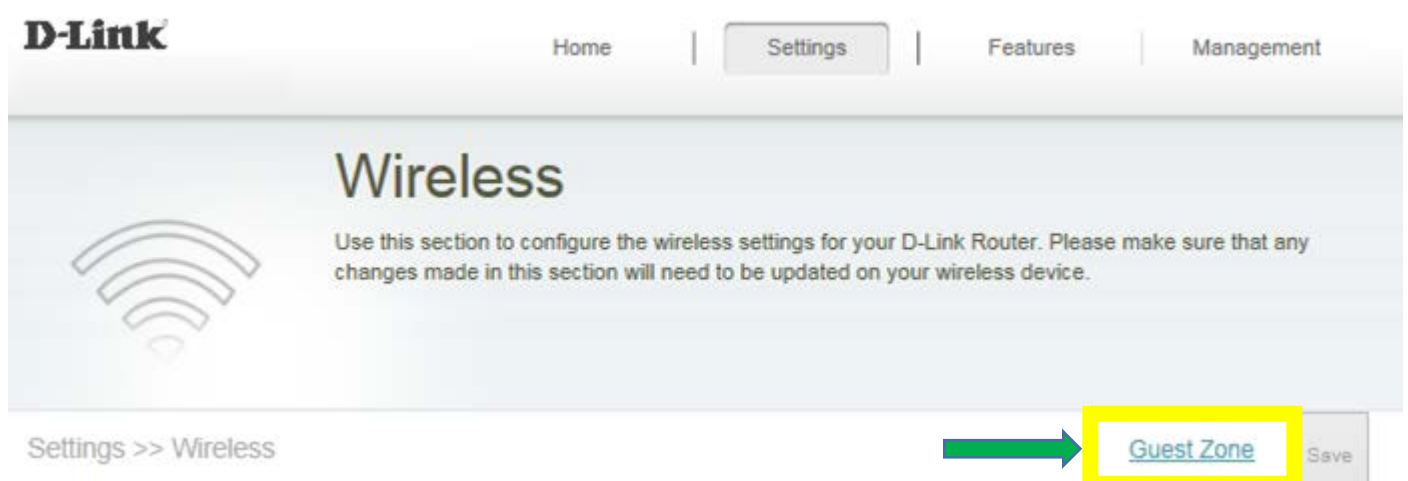
## Q21: How do I enable Guest Zone/Guest Access on my router?

Please launch your browser and enter <http://dlinkrouter.local> or <http://192.168.0.1> into the address bar. Then login and follow the steps below:

**Step 1:** Click **Settings** -> **Wireless**



**Step 2:** Click the **Guest Zone** tab:



Step 3: Configure Guest Zone and click **Save**:


# Guest Zone

This page lets you enable and configure a Wi-Fi Guest Zone. Users connected to a Guest Zone cannot communicate or detect devices on your home network unless Internet Access Only is disabled under Home Network Access.

Settings >> Wireless >> Guest Zone Wi-Fi **Save**

## 2.4GHz

Status:  Enabled

Wi-Fi Name (SSID):  

Password:

Schedule:

## 5GHz

Status:  Enabled

Wi-Fi Name (SSID):  

Password:

Schedule:

# Connection Checking/Troubleshooting

**Q22: How many simultaneous users can my Wi-Fi network handle?**

The more devices that are simultaneously connected to your device, the slower the transfer speed will be for each device. D-Link recommends **15 simultaneously connected users** as the maximum number.

## Q23: My router is dropping connections, how to fix this?

If your router is not performing properly (freezing, automatically rebooting, disconnecting...etc.), this could be happening for a number of reasons.

Please check the following:

1. Ensure the router is in a well ventilated area. If the router does not get adequate airflow, it could overheat.

2. Ensure the firmware is up to date.

Firmware is the "brain" of the router, it is the programming that tells it how to work. D-Link will release new firmware versions when bugs are reported and fixed. Upgrading the firmware may correct issues you are experiencing.

Please follow this link for instructions of how to upgrade the firmware- [How to upgrade firmware for router?](#)

3. Perform a factory reset on the router. Please follow this link for instructions: [Reset your router to factory default setting?](#)

## Q24: What can I do if I'm having wireless connection problems?

If you are experiencing any of the below wireless problems:

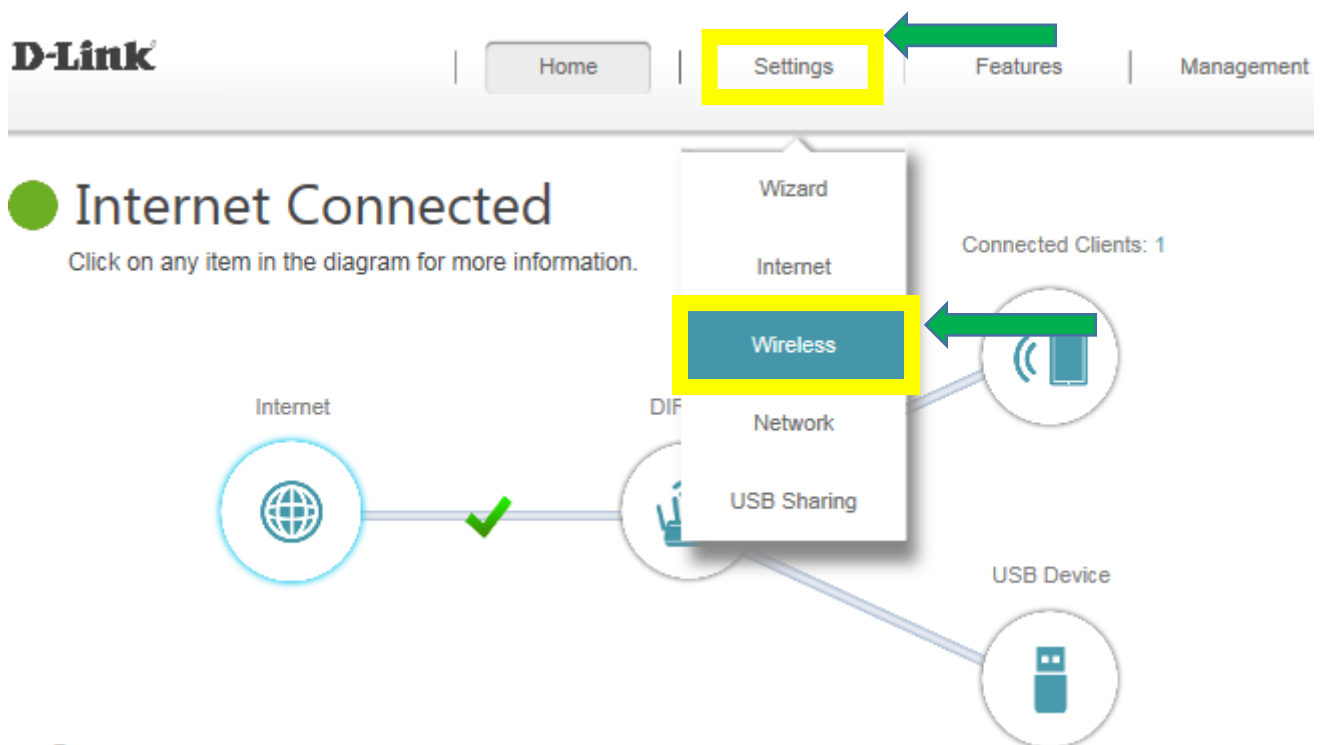
- Slow Wireless Speeds
- Wireless Connection Drops
- Low Wireless Signal

**Note:** An easy way to determine if the issue is with the router or with the wireless device is to see if the issue exists on multiple devices. If you internet is slow or is only dropping on one of multiple devices/computers, then the issue is probably not with the router. If the router is the main cause, all devices connected will be affected.

### 1. Change the wireless channel:

Please launch your browser and enter <http://dlinkrouter.local> or <http://192.168.0.1> into the address bar. Then login and follow the steps below:

**Step 1:** Click **Settings** -> **Wireless**




**Step 2:** Click **Advanced Settings** for both 2.4G and 5G bands:

**2.4GHz**

Status:  Enabled

Wi-Fi Name (SSID):

Password:


 [Advanced Settings...](#)

**5GHz**

Status:  Enabled

Wi-Fi Name (SSID):

Password:

 [Advanced Settings...](#)

**Step 3:** Click **Wi-Fi Channel** box, select your desired Channel and click **Save**

**2.4GHz**


Status:  Enabled


Wi-Fi Name (SSID):



Password:


[Advanced Settings...](#)


---

Security Mode:  

802.11 Mode:  

Transmission Power:  

Channel Width:  

2. **Check or change the location of your router.** Even a subtle changes (2-3 feet) can make a big difference.
- Ensure the router is in a well ventilated and open area. Do not put the router in a cabinet or enclosed area
  - Other devices that use the 2.4GHz/5GHz wireless band will interfere with your wireless network, these include microwaves, wireless cameras, baby monitors. If needed, place the router or the other devices in a different area if they are close to each other.

- Wireless signals will degrade (or die completely) when going through brick (fireplace), metal (file cabinet), steel, lead, mirrors, water (fish tank), large appliances, glass, etc.

3. **Ensure that your router is running the latest firmware version.** Please follow this link for instructions of how to upgrade the firmware- [How to upgrade firmware for router?](#)



## Q25: Why won't my VoIP device work with my router?

1. Please confirm if you load the latest firmware in your router. You can review the process of firmware version checking and upgrading process below:

(1) Firmware version checking: [How to check firmware version for your router?](#)

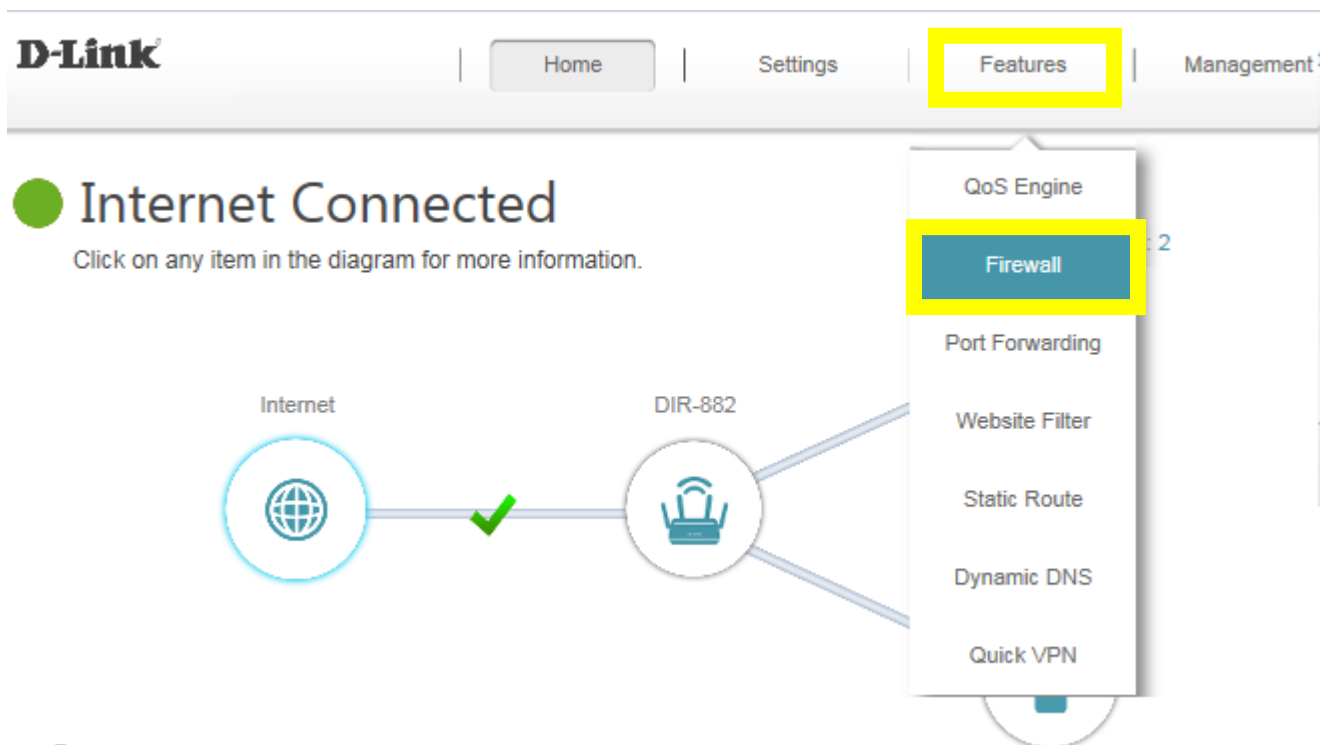
(2) Firmware upgrade process: [How to upgrade firmware for your router?](#)

### 2. Disable the SIP ALG feature on your router

SIP ALG allows devices and applications using VoIP (Voice over IP) to communicate across NAT. Some VoIP applications and devices have the ability to discover NAT devices and work around them. This ALG may interfere with the operation of such devices. If you are having trouble making VoIP calls, try turning this ALG off.

Please launch your browser and enter <http://dlinkrouter.local> or <http://192.168.0.1> into the address bar. Then login and follow the steps below:

**Step 1:** First, click **Feature** -> **Firewall**:



Step 2: Then, click **Advanced Settings**:

**D-Link** Home | Settings | **Features** | Management

## Firewall Settings

Your router's high-performance firewall feature continuously monitors Internet traffic, protecting your network and connected devices from malicious Internet attacks.

Advanced >> Firewall Settings >> Advanced

[IPv4 Rules](#) | [IPv6 Rules](#) | Save

Enable DMZ:  Disabled

---

Enable SPI IPv4:  Disabled

Enable Anti-spoof Checking:  Disabled

IPv6 Simple Security:  Disabled


IPv6 Ingress Filtering:  Disabled

[Advanced Settings..](#)

**Step 3:** Click **SIP** to disable SIP ALG, then click **Save**:

# Firewall Settings

Your router's high-performance firewall feature continuously monitors Internet traffic, protecting your network and connected devices from malicious Internet attacks.



Advanced >> Firewall Settings >> Advanced

[IPv4 Rules](#) [IPv6 Rules](#) **Save**

Enable DMZ:  Disabled

---

Enable SPI IPv4:  Disabled

Enable Anti-spoof Checking:  Disabled

IPv6 Simple Security:  Disabled

IPv6 Ingress Filtering:  Disabled

[Advanced Settings...](#)

---

### Application Level Gateway (ALG) Configuration

PPTP:  Enabled

IPSec (VPN):  Enabled

RTSP:  Enabled

**SIP:  Disabled**

# Port Forwarding/Virtual Server Setting

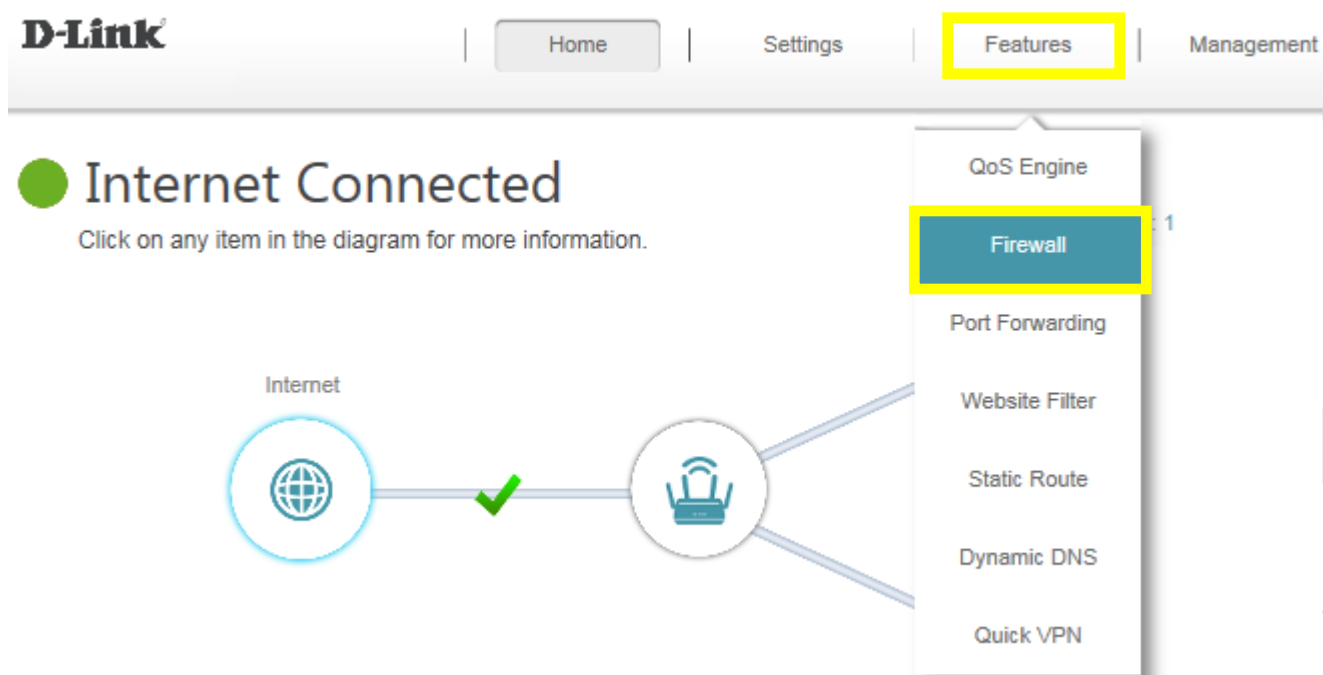
## Q26: How do I enable DMZ on my router?

DMZ should only be used if you have a computer/device that cannot run Internet applications properly from behind the router.

**Note:** By enabling the DMZ (Demilitarized Zone) feature, you are allowing the router to forward all incoming traffic from the internet to the device specified, virtually disabling the routers "firewall protection". This may expose the device to a variety of security risks, so only use this option as a last resort.

Please launch your browser and enter <http://dlinkrouter.local> or <http://192.168.0.1> into the address bar. Then login and follow the steps below:

**Step 1:** Click **Features** -> **Firewall**



**Step 2:** Click **Enable DMZ** to toggle the DMZ state, and fill in the IP address of the specified device (**One device only**), then click **Save**.

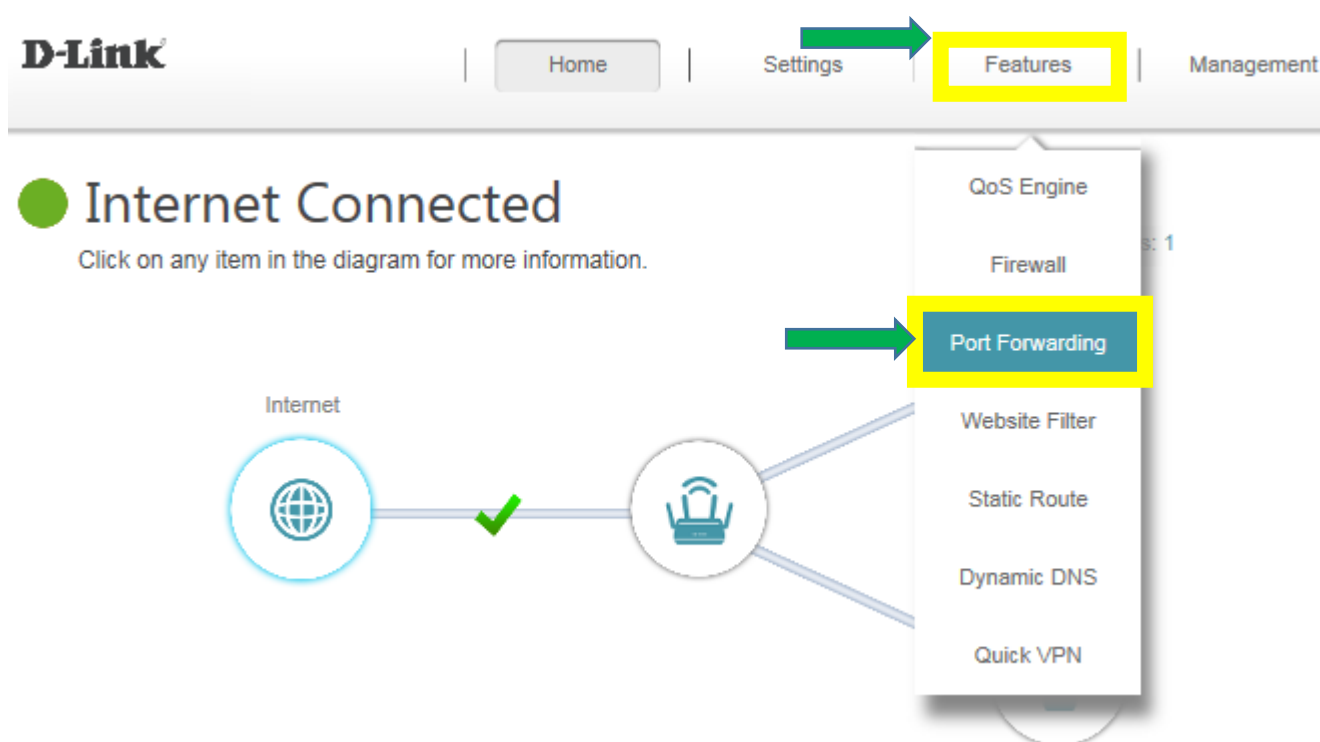
## Q27: How do I open ports for routers?

### Scenario 1: Single Port:

By default, your router will block all incoming connections (into your network) and allow all outgoing connections to the Internet. In some cases, you may need to allow some connections into your network (for Example: Using the Remote Desktop Application). To do this, you must open ports on your router.

Please launch your browser and enter `http://dlinkrouter.local` or `http://192.168.0.1` into the address bar. Then login and follow the steps below:

#### Step 1: Click **Feature** -> **Port Forwarding**



**Step 2: Click Virtual Server and Add Rule**

The image shows two screenshots of the D-Link router's web interface. The top screenshot is the 'Port Forwarding' page. It features a navigation bar with 'Home', 'Settings', 'Features', and 'Management'. The main heading is 'Port Forwarding' with a sub-explanation: 'Your router helps share a single IP address assigned by your ISP among several clients in your home. Port forwarding allows traffic requests from a specified application to be directed to a specified client inside.' Below this is a table with columns: Status, Name, Local IP, TCP Port, UDP Port, Schedule, Edit, and Delete. A 'Virtual Server' button is highlighted with a yellow box, and a 'Save' button is visible. The bottom screenshot is the 'Virtual Server' page. It has the same navigation bar. The main heading is 'Virtual Server' with a sub-explanation: 'Your router helps share a single IP address assigned by your Internet service provider among several clients in your home. Virtual servers are preset port mappings for popular services, like a web or e-mail server, that route traffic to a specified client inside.' Below this is a table with columns: Status, Name, Local IP, Protocol, External Port, Internal Port, Schedule, Edit, and Delete. An 'Add Rule' button is highlighted with a yellow box, and a green arrow points to it from the left. A 'Port Forwarding' button and a 'Save' button are also visible.

**Step 3: Create your rule** (FTP server as example), then **apply**

- **Name-** Enter a name for the rule (i.e. Web Server 1)
- **Local IP:** Specify the IP address of the device you are opening the port for
- **Protocol:** Specify the traffic type (TCP or UDP) - **Note:** If you are not sure, choose **BOTH**
- **External/Internal Port:** Enter the port number you want to open (i.e. 21, for FTP)

## Edit Rule ✕

Name:  << Application Name ▼

Local IP:  << Computer Name ▼

Protocol:  ▼

External Port:

Internal Port:

Schedule:  ▼

**Apply**

Step 4: Click **Save** after finish adding your rule.

**D-Link** Home | Settings | Features | Management

## Virtual Server

Your router helps share a single IP address assigned by your Internet service provider among several clients in your home. Virtual servers are preset port mappings for popular services, like a web or e-mail server, that route traffic to a specified client inside.

Advanced >> Virtual Server Port Forwarding **Save**

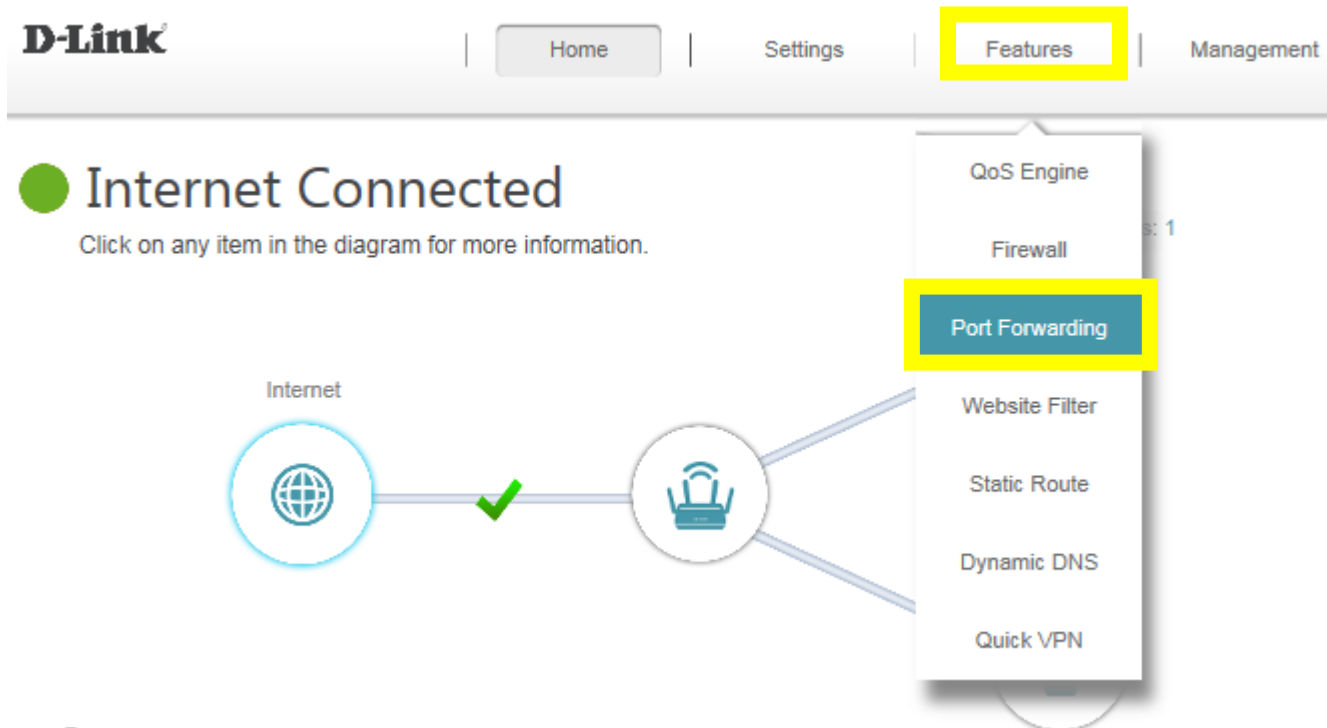
Status	Name	Local IP	Protocol	External Port	Internal Port	Schedule	Edit	Delete
<input checked="" type="checkbox"/>	FTP	192.168.0.156	TCP	21	21	Always Enable		

**Add Rule** Remaining: 23

## Scenario 2: Multiple Ports:

Please launch your browser and enter <http://dlinkrouter.local> or <http://192.168.0.1> into the address bar. Then login and follow the steps below:

### Step 1: Click **Feature** -> **Port Forwarding**



### Step 2: Enter the TCP port numbers you want to open:

- **Name-** Enter a name for the rule (i.e. Web Server 1)
- **Local IP:** Specify the IP address of the device you are opening the port for
- **TCP Port:** Enter the TCP port numbers you want to open
- **UDP Port-** Enter the UDP port numbers you want to open

**Note:** You can enter the ports in multiple different ways- Range (50-100) Individual (80, 68, 888) Mixed (1020-5000, 689)


The screenshot shows the 'Create New Rule' form in the D-Link router's web interface. The form has a title 'Create New Rule' and a close button (X) in the top right corner. The form contains several input fields and a dropdown menu:

- Name:** test1
- Local IP:** 192.168.0.156 (with a dropdown menu showing 192.168.0.156)
- TCP Port:** 22,23,30-40
- UDP Port:** 22,23,30-40 (with a close button X)
- Schedule:** Always Enable (with a dropdown menu)

At the bottom of the form, there is a blue 'Apply' button highlighted with a yellow box.



**Step 3:** Click **Save** after finish adding your rule.





Home | Settings | **Features** | Management

## Port Forwarding

Your router helps share a single IP address assigned by your ISP among several clients in your home. Port forwarding allows traffic requests from a specified application to be directed to a specified client inside.

Advanced >> Port Forwarding [Virtual Server](#) **Save**

Status	Name	Local IP	TCP Port	UDP Port	Schedule	Edit	Delete
<input checked="" type="checkbox"/>	test1	192.168.0.156	22,23,30-40	22,23,30-40	Always Enable		

**Add Rule** Remaining: 23

## Q28: How do I configure inbound filter?

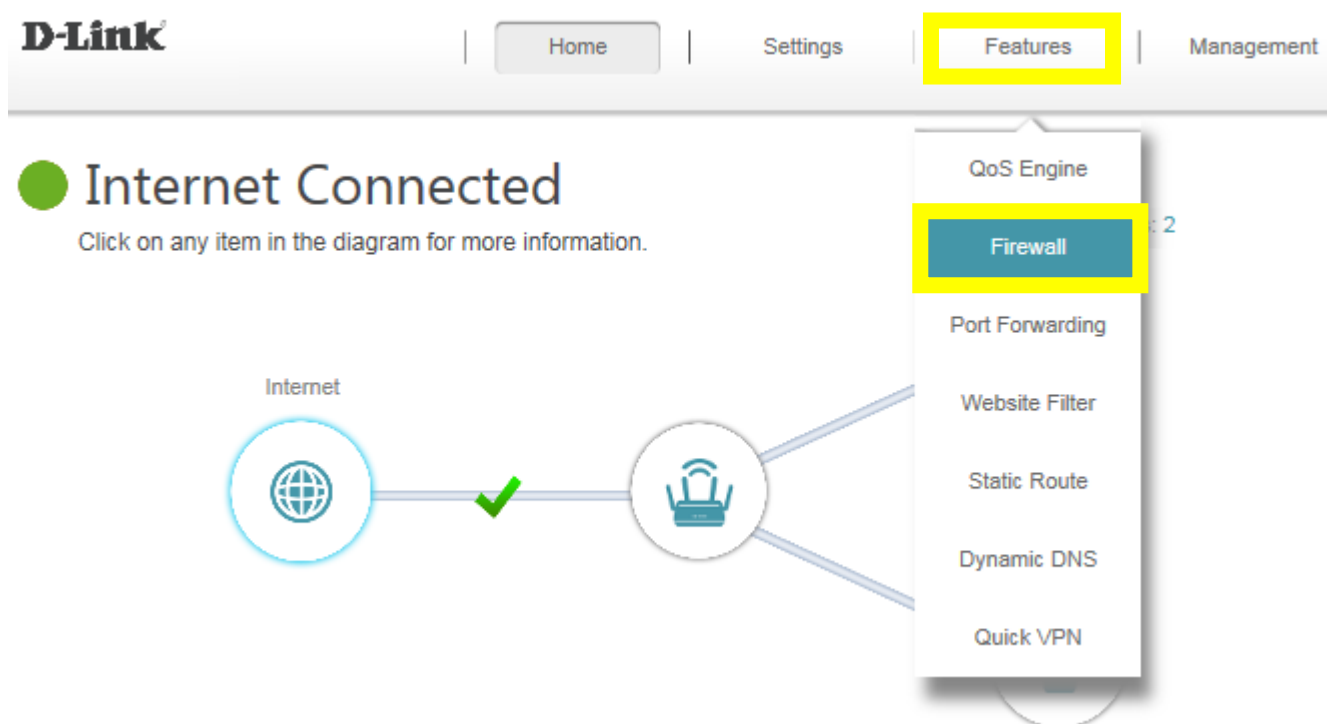
When you use the Virtual Server, Port Forwarding, or Remote Administration features to open specific ports to traffic from the Internet, you could be increasing the exposure of your LAN to cyberattacks from the Internet.

In these cases, you can use **Inbound Filters** to limit that exposure by specifying the IP addresses of internet hosts that you trust to access your LAN through the ports that you have opened. You might, for example, only allow access to a game server on your home LAN from the computers of friends whom you have invited to play the games on that server.

Inbound Filters can be used for limiting access to a server on your network to a system or group of systems. Filter rules can be used with Virtual Server, Gaming, or Remote Administration features. Each filter can be used for several functions. For example a "Game Clan" filter might allow all of the members of a particular gaming group to play several different games for which gaming entries have been created. Meanwhile, an "Admin" filter might only allow systems from your office network to access the WAN admin pages and an FTP server you use at home. If you add an IP address to a filter, the change is effected in all of the places where the filter is used.

Please launch your browser and enter <http://dlinkrouter.local> or <http://192.168.0.1> into the address bar. Then login and follow the steps below:

**Step 1:** Click on **Features** on the top and then **Firewall**



**Step 2:** Click on **IPv4 Rules**, then select **Turn IPv4 Filtering ON and ALLOW rules listed**, then click **Add Rule**

D-Link

Home | Settings | Features | Management

## Firewall Settings

Your router's high-performance firewall feature continuously monitors Internet traffic, protecting your network and connected devices from malicious Internet attacks.

Advanced >> Firewall Settings >> Advanced

[IPv4 Rules](#) [IPv6 Rules](#) [Save](#)

Advanced >> Firewall Settings >> IPv4 Rules

[Advanced](#) [IPv6 Rules](#) [Save](#)

Turn IPv4 Filtering ON and ALLOW rules listed

Name	Schedule	Edit	Delete
------	----------	------	--------

[Add Rule](#) Remaining: 24

**Step 3:** Create your rule

### Edit Rule

Name:

Source IP Address Range:

Destination IP Address Range:

Protocol & Port Range:

Schedule:

[Apply](#)

**Step 4:** Click **Save** after adding your rule.

**D-Link** Home | Settings | Features | Management

## Firewall Settings

The IPv4 rule section is an advance feature used to deny or allow traffic from passing through the device.

Advanced >> Firewall Settings >> IPv4 Rules

[Advanced](#) | [IPv6 Rules](#) | **Save**

Turn IPv4 Filtering ON and ALLOW rules listed

Name	Schedule	Edit	Delete
Test_1	Always Enable		

**Add Rule** Remaining: 23

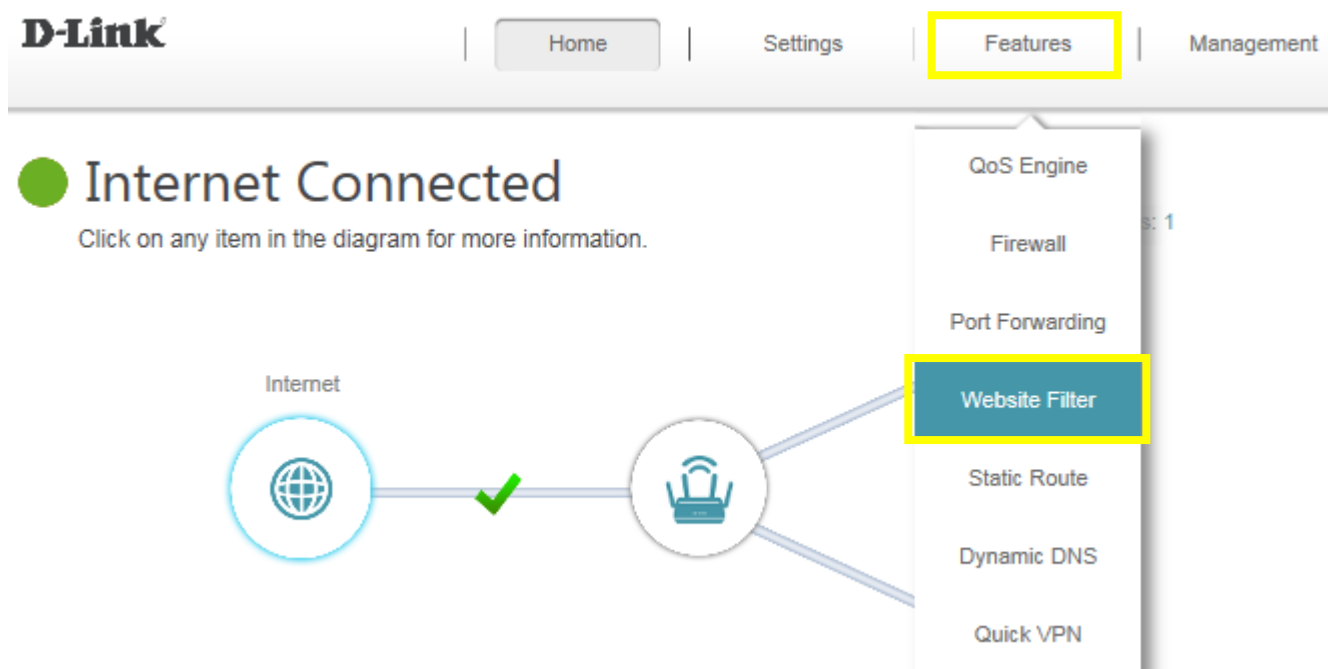
**Note:** If you'd like to block specific IP addresses accessing your router, please select "**Turn IPV4 Filtering ON and ALLOW rules listed**" from the drop-down menu.

# Website Filter Setting

## Q29: How do I set up website filter on my router?

Please launch your browser and enter <http://dlinkrouter.local> or <http://192.168.0.1> into the address bar. Then login and follow the steps below:

**Step 1:** Click **Features** -> **Website Filter**



**Step 2:** If you want to create a list of sites to block, **select DENY** computers access to **ONLY** these **sites** from the drop-down menu. All other sites will be accessible.

# Website Filter



The website filters feature allows rules to be set that restrict access to a specified web address (URL) or blocks specified keywords in the URL. You can use Website Filter to restrict access to potentially harmful and inappropriate websites.

Advanced >> Website Filter

Save

DENY clients access to ONLY these sites

DENY clients access to ONLY these sites

ALLOW clients access to ONLY these sites

Add Rule Remaining: 24

Delete

If you want to specify a list of sites to allow, select **ALLOW computers access to ONLY these sites** from the drop menu. All other sites will be blocked.

**Step 3:** You may specify a maximum of fifteen web sites. To add a new site to the list, click **Add Rule**, and enter the URL or domain you wish to deny or allow access to in the Website URL/Domain column, and click **save**.

# Website Filter



The website filters feature allows rules to be set that restrict access to a specified web address (URL) or blocks specified keywords in the URL. You can use Website Filter to restrict access to potentially harmful and inappropriate websites.

Advanced >> Website Filter

Save

DENY clients access to ONLY these sites

Website URL/Domain

cnn.com

Add Rule Remaining: 23

Delete

**Note:**

1. If you wish to delete a rule, click on its trash can icon in the Delete column. If you wish to edit a rule, simply replace the URL or domain.
2. **The https website can't be blocked by website filter. For example: Facebook, YouTube, Amazon...etc. If necessary, please apply OpenDNS paid service to fulfill your requirement.**

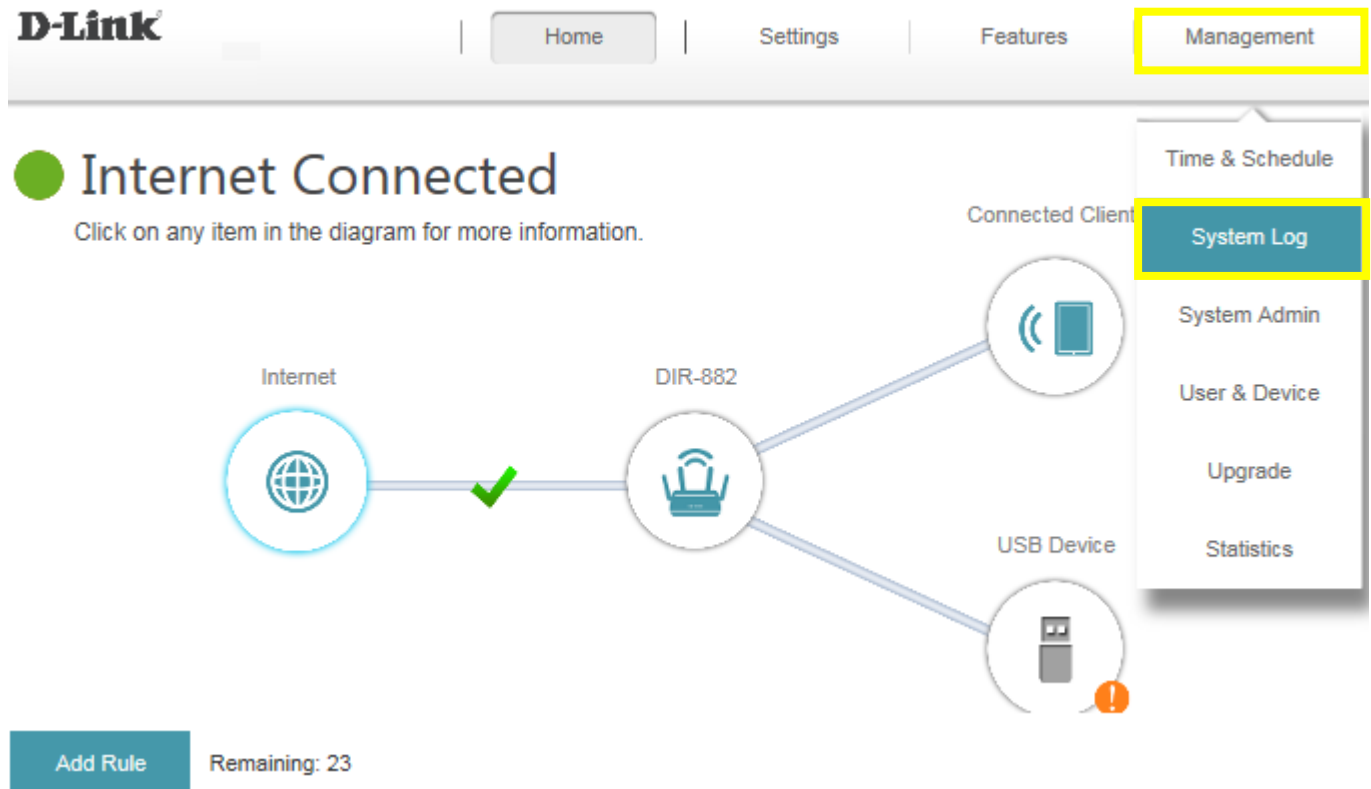
The service website is as below: <https://www.opendns.com/setupguide/>. There are 15 days for free trial. Sign up for new account, follow the setup guide to establish the service, and start enjoy the stunning service provided by Cisco.

**Note:** Please confirm if DNS relay is enabled. (It's enabled by default)

# System Log

## Q30: How to check system log for router?

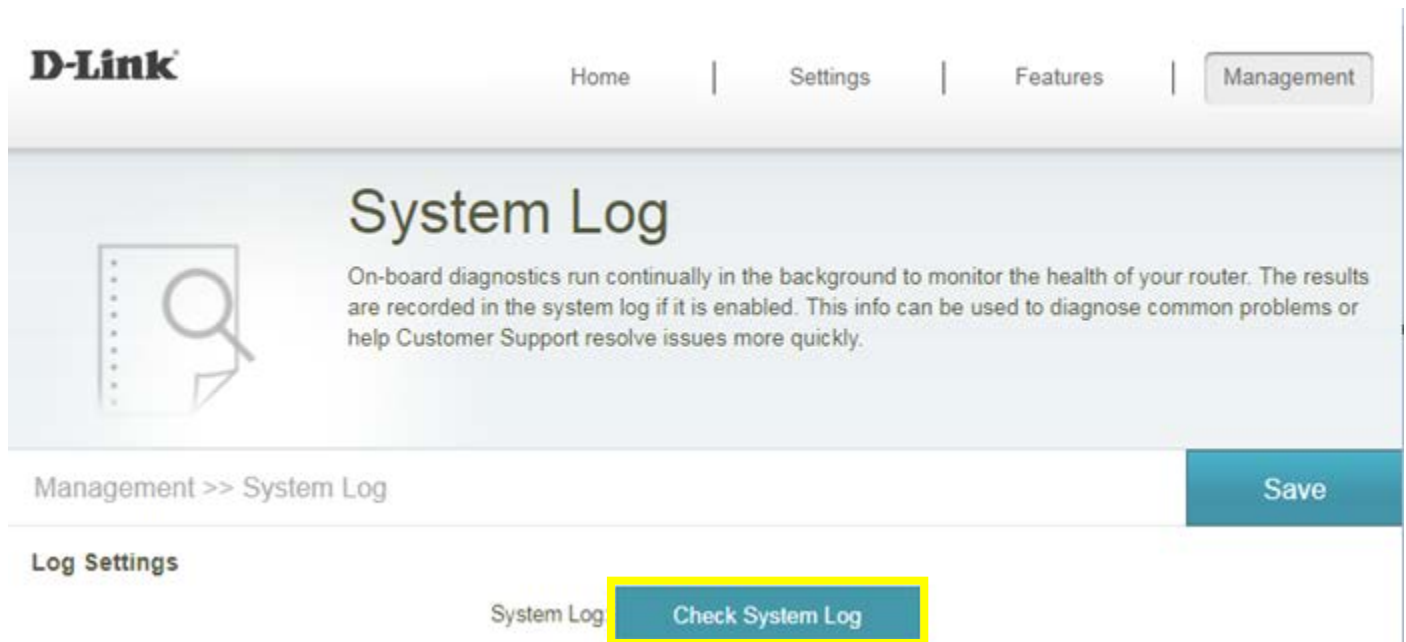
There are 3 methods to check system log of router. Select **Management** -> **System Log**, and follow the methods as below:





## Method 1: Log Settings

**Step 1:** Click Check System Log button, and download the file “messages” to your folder.



**D-Link** Home | Settings | Features | Management

# System Log

On-board diagnostics run continually in the background to monitor the health of your router. The results are recorded in the system log if it is enabled. This info can be used to diagnose common problems or help Customer Support resolve issues more quickly.

Management >> System Log Save

Log Settings

System Log Check System Log

**Step 2:** Open the messages via WordPad/NotePad, then you can check system log.

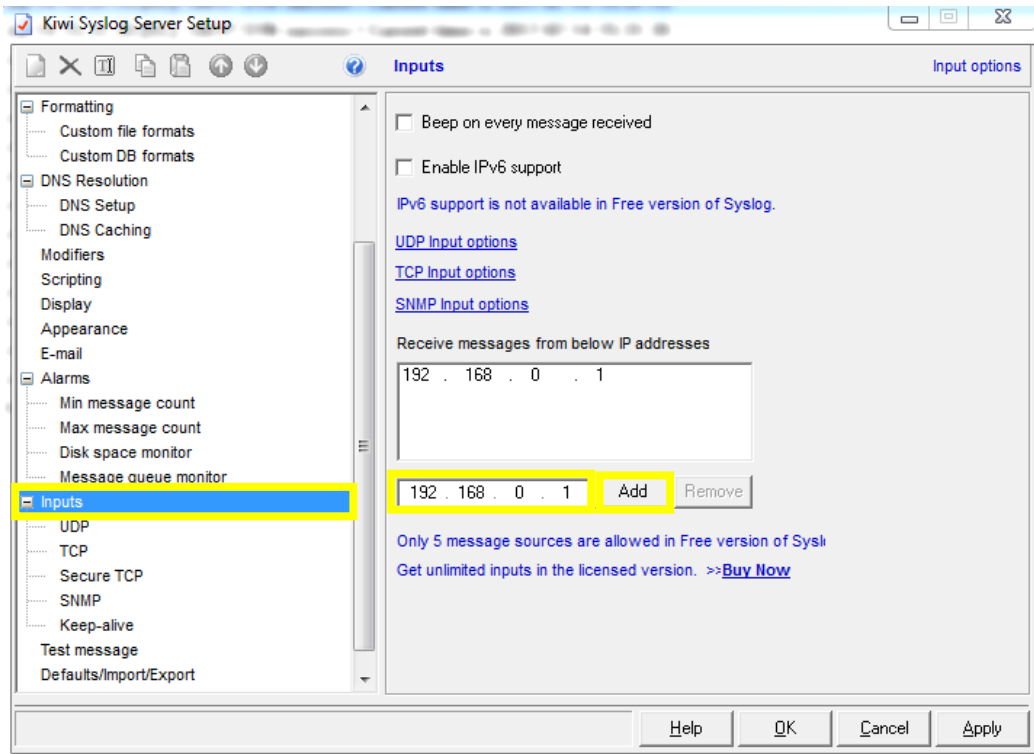
```
2017-05-25 11:44:40 [SYSLOG]: start BusyBox v1.12.1
2017-05-25 11:45:20 [RC]: Wan(ppp0) Disconnect
2017-05-25 11:45:20 ipsec_setup: ...Openswan IPsec stopped
2017-05-25 11:45:20 [DHCP6-6]: dhcp6_ctl_authinit: failed to
open /var/etc/dhcp6sctlkey: No such file or directory
2017-05-25 11:45:20 [RC]: Current Wan interface is eth3 , mode
is pppoe
2017-05-25 11:45:38 [RC]: Wan(ppp0) connect Success , Current
Wan ip is 220.137.10.136
2017-05-25 11:45:38 [UPNP]: WPS listening on port 8888
2017-05-25 11:45:41 [UPNP]: addSubscriber(/event,
http://192.168.0.2:2869/upnp/eventing/jldkzxeqsi, 1800)
2017-05-25 11:45:42 ipsec_setup: ...Openswan IPsec stopped
2017-07-12 03:19:14 [RC]: SNTP SYN success ! Current timer is
2017-07-12 03:19:14
2017-07-12 03:19:14 [MDNS]: mDNSCoreReceive: mDNSPlatformRawTime
went backwards by 79350006 ticks; setting correction factor to -
1610415401
2017-07-12 06:12:15 [UPNP]: addSubscriber(/event,
http://192.168.0.2:2869/upnp/eventing/nizkldsuaia, 1800)
2017-07-12 06:12:16 [UPNP]: addSubscriber(/evt/L3F,
http://192.168.0.2:2869/upnp/eventing/vadwoqkleo, 1800)
2017-07-12 06:12:16 [UPNP]: addSubscriber(/evt/CmnIfCfg,
http://192.168.0.2:2869/upnp/eventing/lzeipjapnq, 1800)
2017-07-12 06:12:16 [UPNP]: addSubscriber(/evt/IPConn,
http://192.168.0.2:2869/upnp/eventing/zjauwwprtx, 1800)
2017-07-12 06:16:42 [UPNP]: addSubscriber(/evt/CmnIfCfg,
http://192.168.0.2:2869/upnp/eventing/qjthsaxtua, 1800)
2017-07-12 06:16:42 [UPNP]: addSubscriber(/evt/CmnIfCfg,
http://192.168.0.2:2869/upnp/eventing/pzxdjayxaf, 1800)
```

## Method 2: Syslog Settings

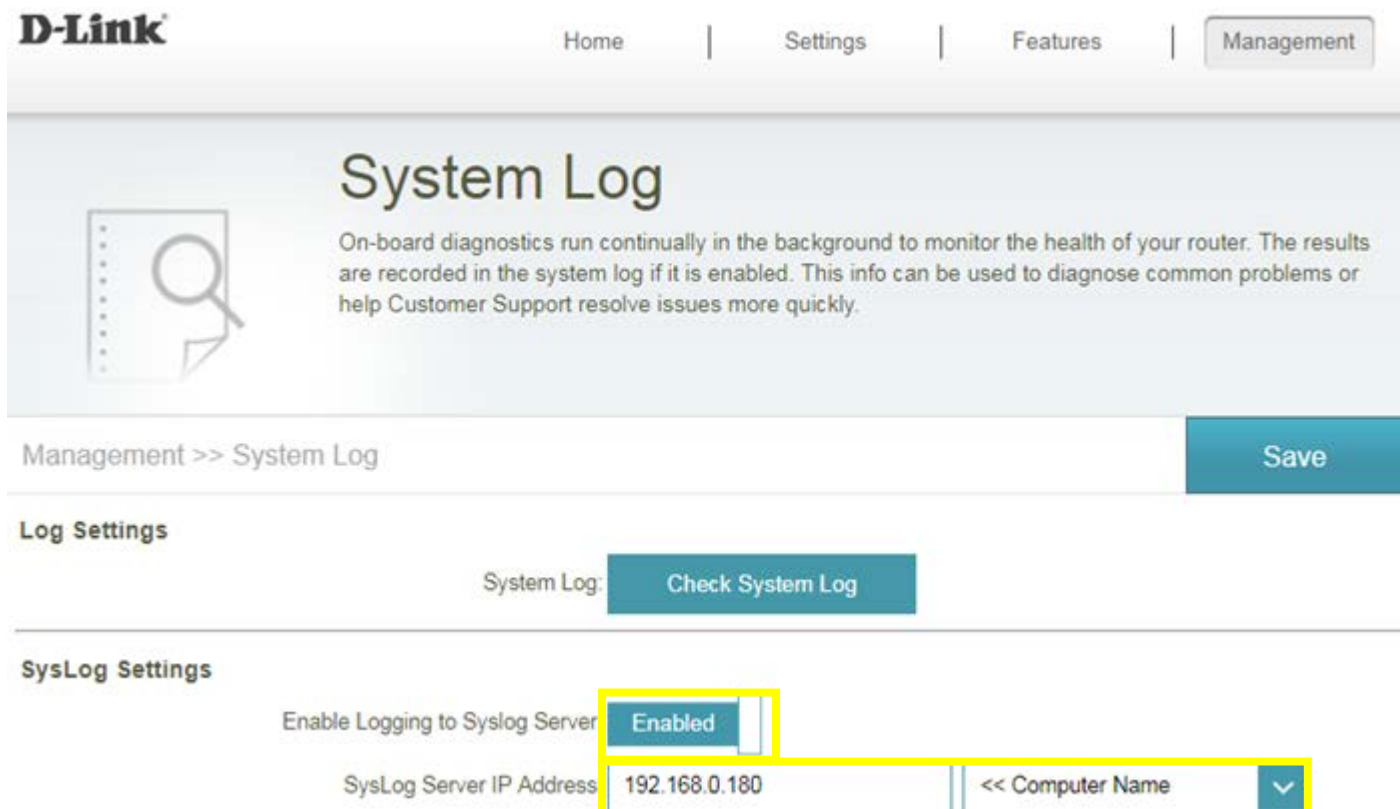
**Step 1:** Download system log server application, ex: Kiwi Syslog Server:

<http://www.kiwisyslog.com/free-tools/kiwi-free-syslog-server>

**Step 2:** Click **File** -> **Setup**, and fill in the IP address of your network device, then click **Add**:



**Step 3:** Enable "Enable Logging to Syslog Server", and fill in the IP address of the PC installing Kiwi Syslog Server:



**Step 4:** You'll be able to check the log in Kiwi Syslog Service Manager as below:

Date	Time	Priority	Hostname	Message
07-14-2017	15:37:16	Daemon.Notice	192.168.0.1	Jul 14 15:37:15 [RC]: SNTP SYN success ! Current timer is 2017-07-14 15:37:15
07-14-2017	15:31:40	Daemon.Notice	192.168.0.1	Jul 14 15:31:39 [RC]: SNTP SYN success ! Current timer is 2017-07-14 15:31:39
07-14-2017	15:24:06	Daemon.Notice	192.168.0.1	Jul 14 15:24:05 [RC]: SNTP SYN success ! Current timer is 2017-07-14 15:24:05
07-14-2017	15:20:56	Daemon.Notice	192.168.0.1	Jul 14 15:20:55 [RC]: SNTP SYN success ! Current timer is 2017-07-14 15:20:55
07-14-2017	15:19:37	Daemon.Notice	192.168.0.1	Jul 14 15:19:36 [RC]: SNTP SYN success ! Current timer is 2017-07-14 15:19:36
07-14-2017	15:18:22	Daemon.Notice	192.168.0.1	Jul 13 20:18:21 [DDNS]: DDNS client connect fault!
07-14-2017	15:15:29	Daemon.Notice	192.168.0.1	Jul 13 20:15:28 [RC]: SNTP SYN success ! Current timer is 2017-07-13 20:15:28
07-14-2017	15:11:23	Daemon.Notice	192.168.0.1	Jul 13 22:11:22 [RC]: SNTP SYN success ! Current timer is 2017-07-13 22:11:22
07-14-2017	15:10:20	Daemon.Notice	192.168.0.1	Jul 13 21:10:19 [RC]: SNTP SYN success ! Current timer is 2017-07-13 21:10:19
07-14-2017	15:08:37	Daemon.Notice	192.168.0.1	Jul 13 19:08:36 [RC]: SNTP SYN success ! Current timer is 2017-07-13 19:08:36
07-14-2017	15:04:30	Daemon.Notice	192.168.0.1	Jul 14 15:04:29 [DDNS]: DDNS client connect fault!
07-14-2017	15:02:58	Daemon.Notice	192.168.0.1	Jul 14 15:02:57 [DDNS]: DDNS client connect fault!
07-14-2017	14:57:01	Daemon.Notice	192.168.0.1	Jul 14 14:57:00 [DDNS]: DDNS client connect fault!
07-14-2017	14:55:15	Daemon.Notice	192.168.0.1	Jul 14 14:55:14 [RC]: SNTP SYN success ! Current timer is 2017-07-14 14:55:14
07-14-2017	14:52:15	Local7.Debug	127.0.0.1	Kiwi Syslog Server - Test message number 0001

### Method 3: E-mail Settings

**Step 1:** Setup the e-mail information as below:

Management >> System Log Save

---

**SysLog Settings**

Enable Logging to Syslog Server:  Disabled

---

**E-mail Settings**

Enable E-mail Notification:  Enabled

From E-mail Address:

To E-mail Address:

SMTP Server Address:

SMTP Server Port:

Enable Authentication:  Enabled

Account Name:

Password:

---

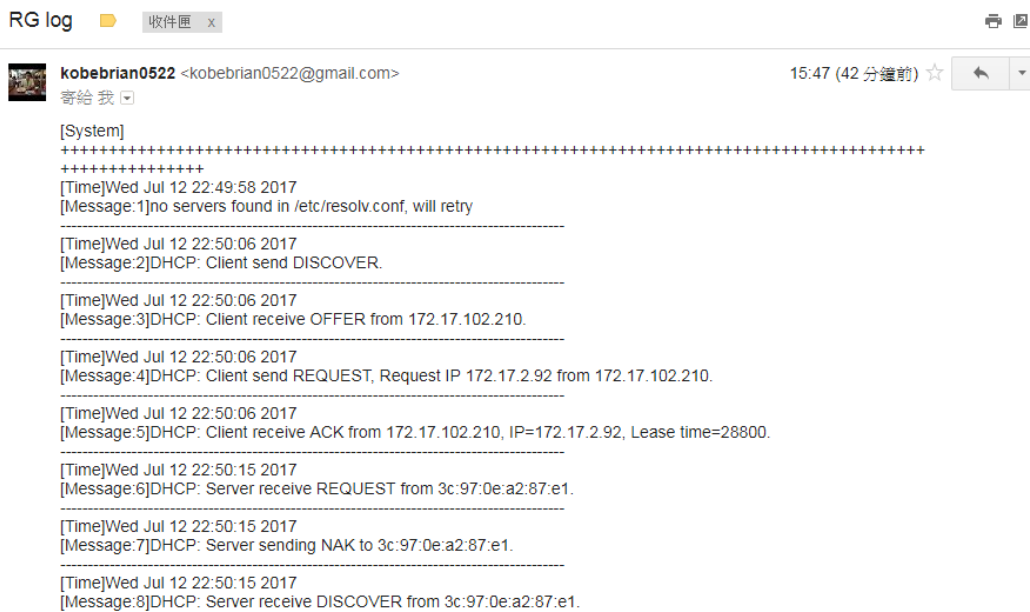
**E-mail Log When Full or On Schedule**

Send When Log Full:  Disabled

Send on Schedule:  Enabled

Schedule:  ▼

**Step 2:** You will receive the log email:

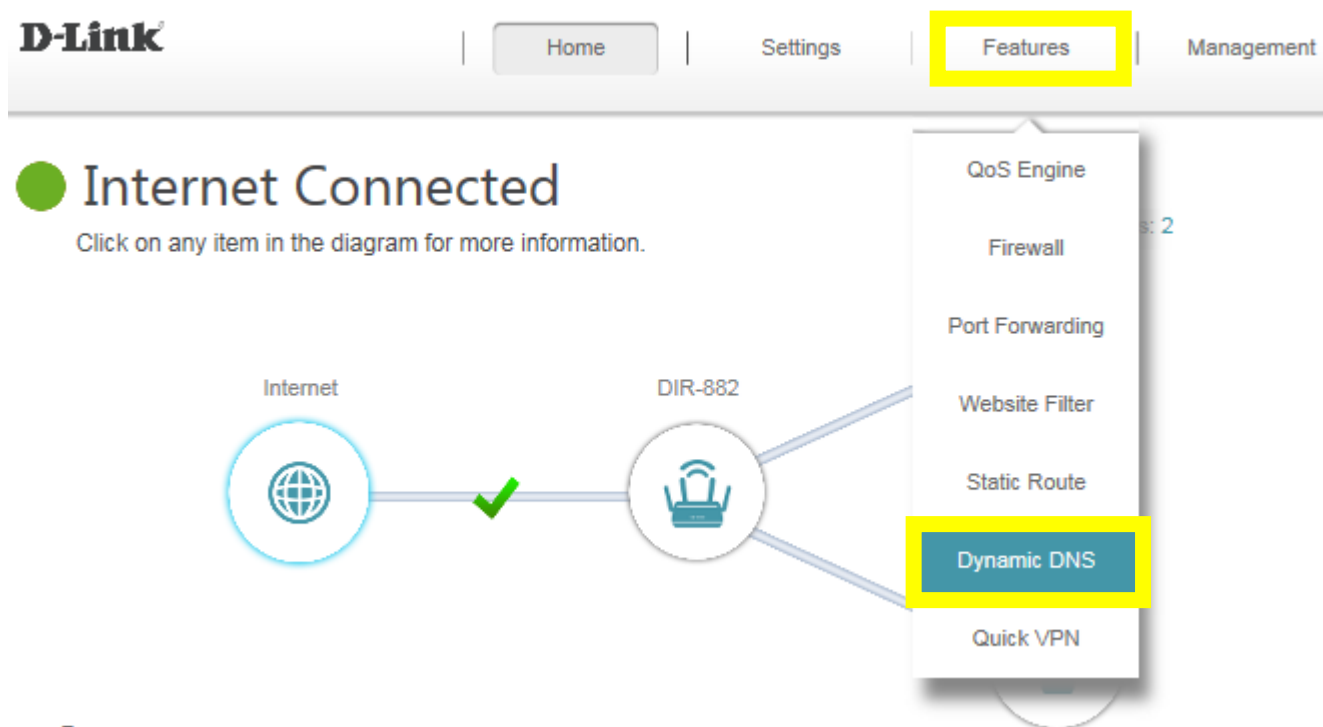


# DNS/DDNS

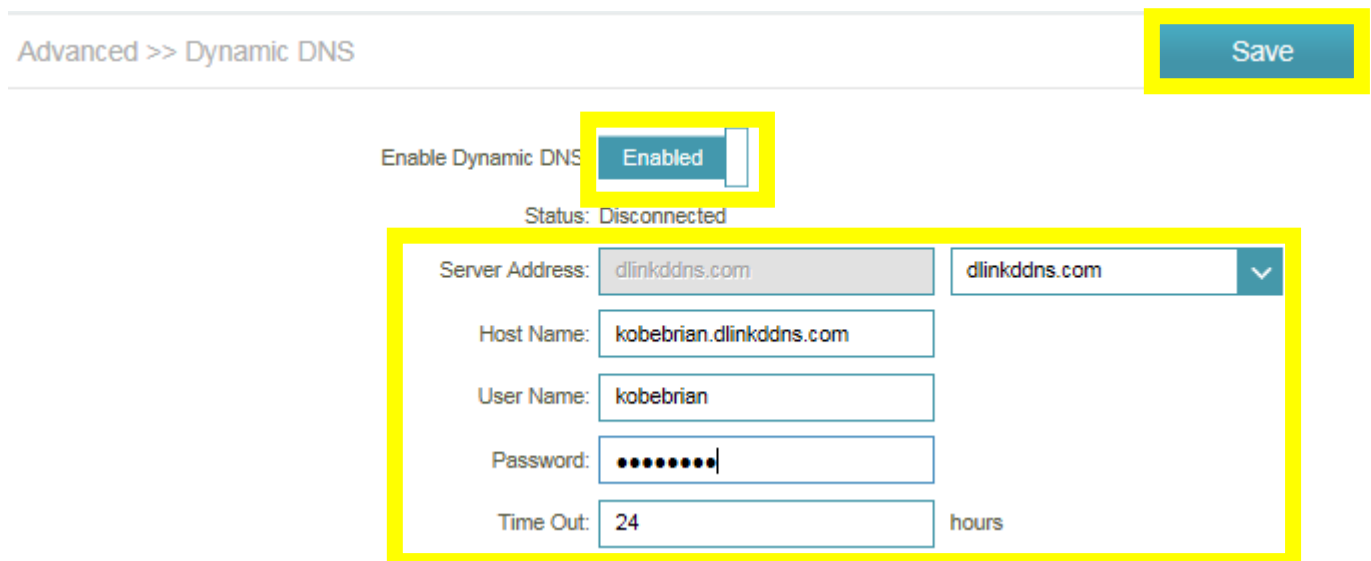
## Q31: How do I configure Dynamic DNS on my router?

Please launch your browser and enter <http://dlinkrouter.local> or <http://192.168.0.1> into the address bar. Then login and follow the steps below:

**Step 1:** Click **Features** -> **Dynamic DNS**




**Step 2:** Enable Dynamic DNS, and enter your Dynamic DNS account information, then save:



**Note:** To register to get the dlinkddns service, please enter the website: <https://www.dlinkddns.com/signin/>, then fill in the required information.

HOME	UPGRADE ACCOUNT	CHANGE EMAIL	CHANGE PASSWORD	SUPPORT
------	-----------------	--------------	-----------------	---------

 **Reminder:** This service is for D-Link customers only. If you are not a D-Link user and you're looking for a way to remotely access your router, computer, etc.; then Dyn would love to offer you an [exclusive 25% off our Remote Access \(DynDNS Pro\) service](#). You'll gain access to up to 30 hostnames per account and will never have to worry about your account expiring!

HOW TO
FAQ
CONTACT
LOST PASSWORD

## New Account

<b>Username</b>	<input type="text"/>
<b>Password</b>	<input type="password"/>
<b>Confirm Password</b>	<input type="password"/>
<b>Email</b>	<input type="text"/>
<b>Serial Number</b>	<input type="text"/> ?
<b>MAC Address</b> Ex: 1A:2B:3C:4D:5E:6F	<input type="text" value="1A:2B:3C:4D:5E:6F"/> ?



## Q32: Why am I unable to register my device with dlinkddns?

When validating your D-Link device with dlinkddns, you may receive an "**Unknown Serial Number/Unknown MAC Address**" error.

Please confirm the information you are entering is correct. You can find the needed information on the product label of the back/bottom of the router/device.

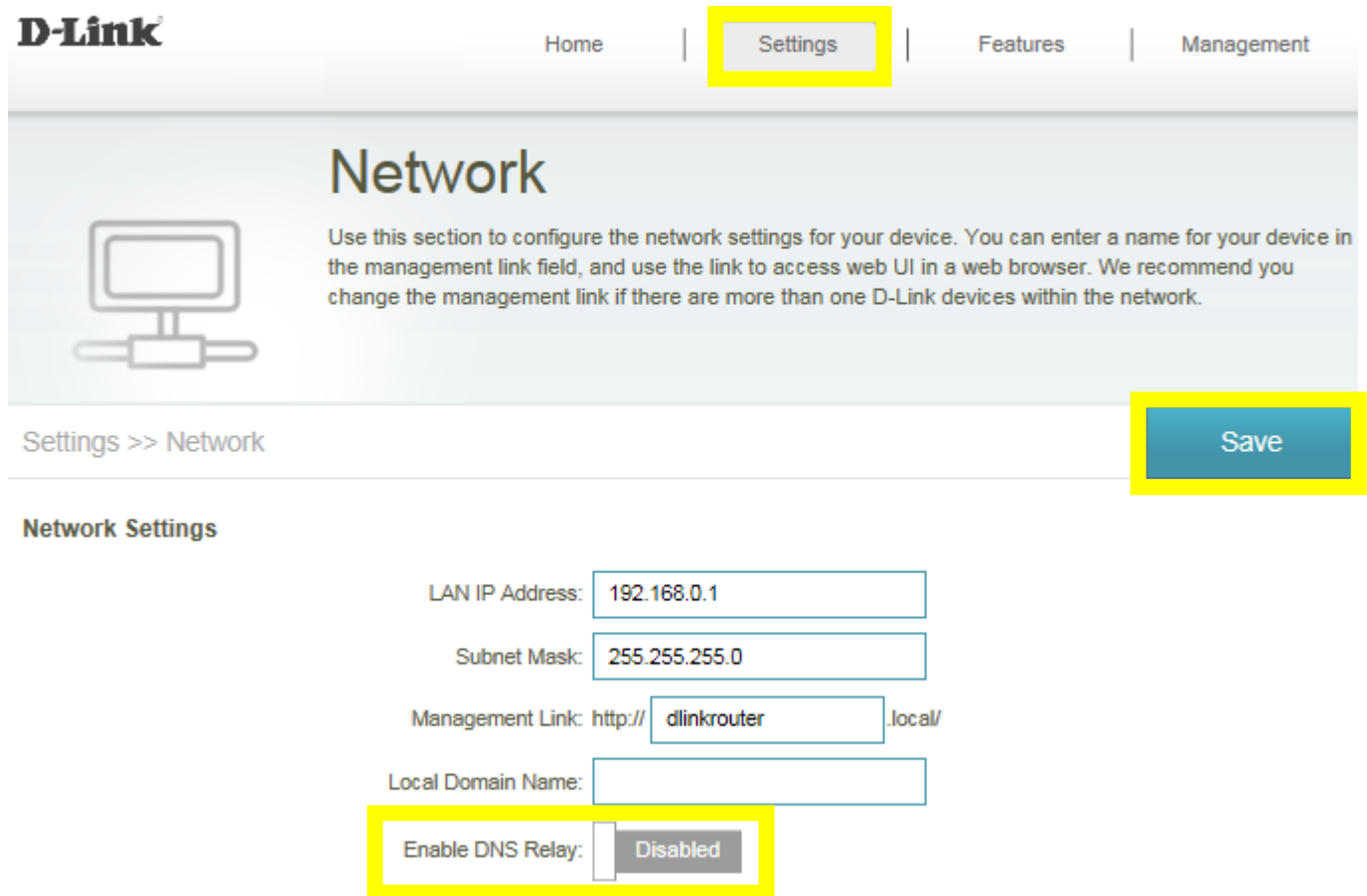
**Note:** When entering the MAC address, you **MUST** enter it in the following format, including colons, e.g. **12:34:56:78:91:01**

## Q33: How do I disable DNS relay?

If enabling DNS relay, your computers will use the router for a DNS server.

Please launch your browser and enter `http://dlinkrouter.local` or `http://192.168.0.1` into the address bar. Then login and follow the steps below:

**Step 1:** Click **Settings** -> **Network**, and click to disable DNS Relay, then click **Save**.



The screenshot shows the D-Link router's web interface. At the top, the 'Settings' menu item is highlighted with a yellow box. Below the navigation bar, the 'Network' section is visible, with a 'Save' button highlighted in a yellow box. The 'Network Settings' section contains several input fields: 'LAN IP Address' (192.168.0.1), 'Subnet Mask' (255.255.255.0), 'Management Link' (http://dlinkrouter.local/), and 'Local Domain Name'. The 'Enable DNS Relay' option is set to 'Disabled' and is highlighted with a yellow box.

**D-Link** Home | **Settings** | Features | Management

## Network

Use this section to configure the network settings for your device. You can enter a name for your device in the management link field, and use the link to access web UI in a web browser. We recommend you change the management link if there are more than one D-Link devices within the network.

Settings >> Network **Save**

### Network Settings

LAN IP Address: 192.168.0.1

Subnet Mask: 255.255.255.0

Management Link: http:// dlinkrouter .local/

Local Domain Name:

Enable DNS Relay: Disabled

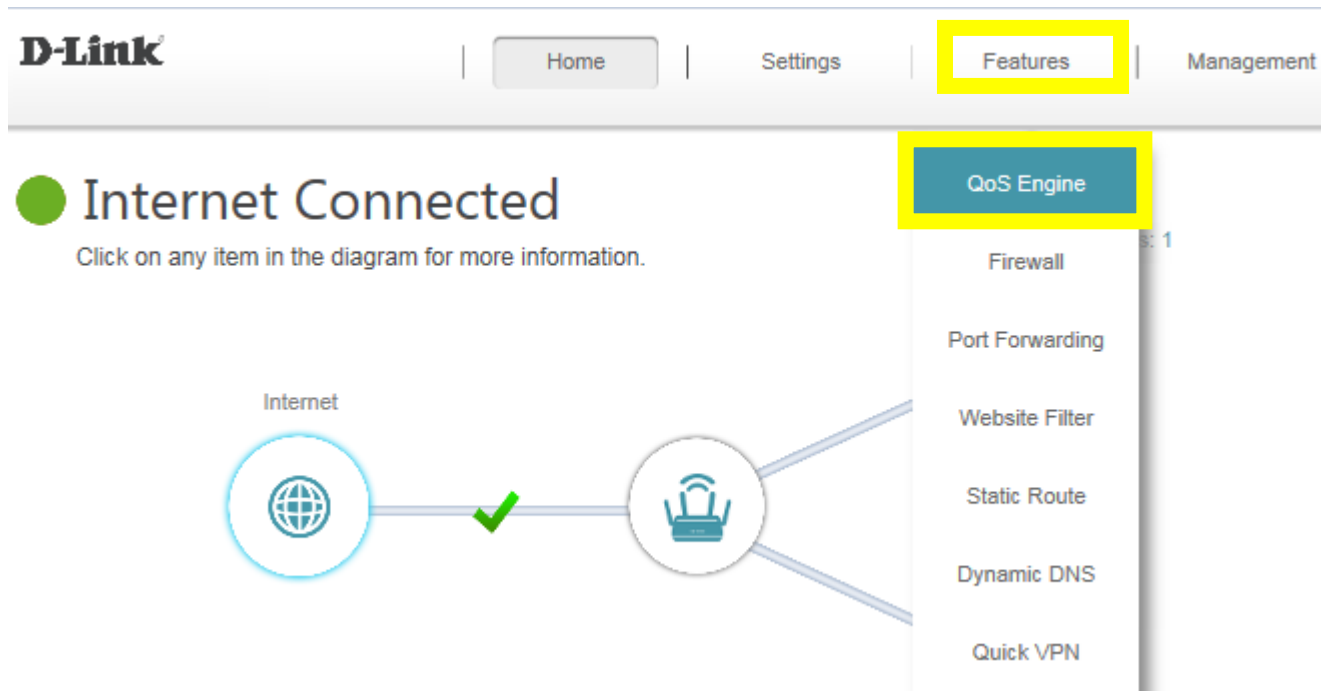


# QoS Setting

## Q34: How do I configure QoS on my router?

Please launch your browser and enter <http://dlinkrouter.local> or <http://192.168.0.1> into the address bar. Then login and follow the steps below:

**Step 1:** Click **Features** -> **QoS Engine**



**Step 2:** To assign a priority level to a device, drag the device card from the **Connected Clients** list to an empty slot and release the mouse button. The card will move to the priority slot. If you want to remove a priority assignment from a device and return it to the All Devices list, click the cross icon in the top right of the device card.

- A maximum of one device can be assigned **Highest** priority.
- A maximum of two devices can be assigned **High** priority.
- A maximum of eight devices can be assigned **Medium** priority.

Advanced >> QoS Engine

Save

Download Speed (Mbps):

Upload Speed (Mbps):

Connected Clients

< 08384NBWIN7  
FLEXTRONICS  
192.168.0.101 android-2277127...  
HTC  
192.168.0.181 >


Drag the device cards above to the priority boxes below.

**Highest**

**High**

**Medium**


**Step 3:** Click **Save** to save the current configuration.



Home | Settings | **Features** | Management

# Firewall Settings

Your router's high-performance firewall feature continuously monitors Internet traffic, protecting your network and connected devices from malicious Internet attacks.



Advanced >> Firewall Settings >> Advanced

[IPv4 Rules](#) | [IPv6 Rules](#) | **Save**

Enable DMZ: **Enabled**

DMZ IP Address: 192.168.0.156

192.168.0.156 ^

<< Computer Name  
192.168.0.156 (08384NBWIN7)

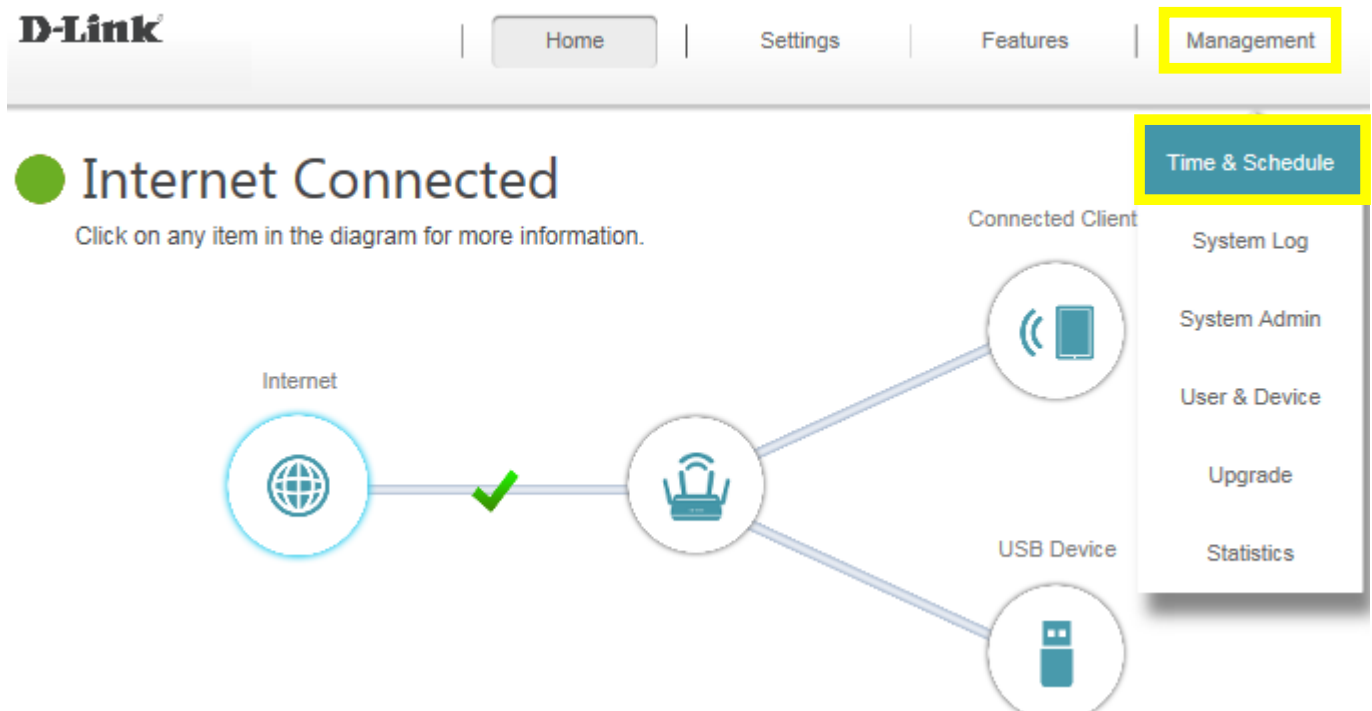
Enable SPI IPv4: **Disabled**

# Time/Schedule

## Q35: How do I configure the time on my router?

Please launch your browser and enter <http://dlinkrouter.local> or <http://192.168.0.1> into the address bar. Then login and follow the steps below:

**Step 1:** Click on the **Maintenance -> Time & Schedule**



**Step 2:** By default, the D-Link NTP server is enabled. Specify the Time Zone if you need to synchronize the time with the specific region, and enable daylight saving if required, and click **Save**.

**D-Link** Home | Settings | Features | **Management**

## Time

Your router's internal clock is used for data logging and schedules for features. The date and time can be synchronized with a public time server on the Internet, or set manually.

Management >> System Time [Schedule](#) **Save**

### Time Configuration

Time Zone: (GMT+08:00) Taipei

Time: 2017/07/04 01:37:21 AM

Enable Daylight Saving: Disabled

### Automatic Time Configuration

Update Time Using an NTP Server: Enabled

NTP Server: D-Link NTP Server

**Note:** To manually specify the time, change the automatic time configuration to **Disabled**, then adjust time as needed and click **Save**.

# Time

Your router's internal clock is used for data logging and schedules for features. The date and time can be synchronized with a public time server on the Internet, or set manually.

Management >> System Time [Schedule](#) **Save**

## Time Configuration

Time Zone: (GMT+08:00) Taipei

Time: 2017/07/04 01:38:29 AM

Enable Daylight Saving: Disabled

---

## Automatic Time Configuration

Update Time Using an NTP Server: Disabled

---

## Manual Time Configuration

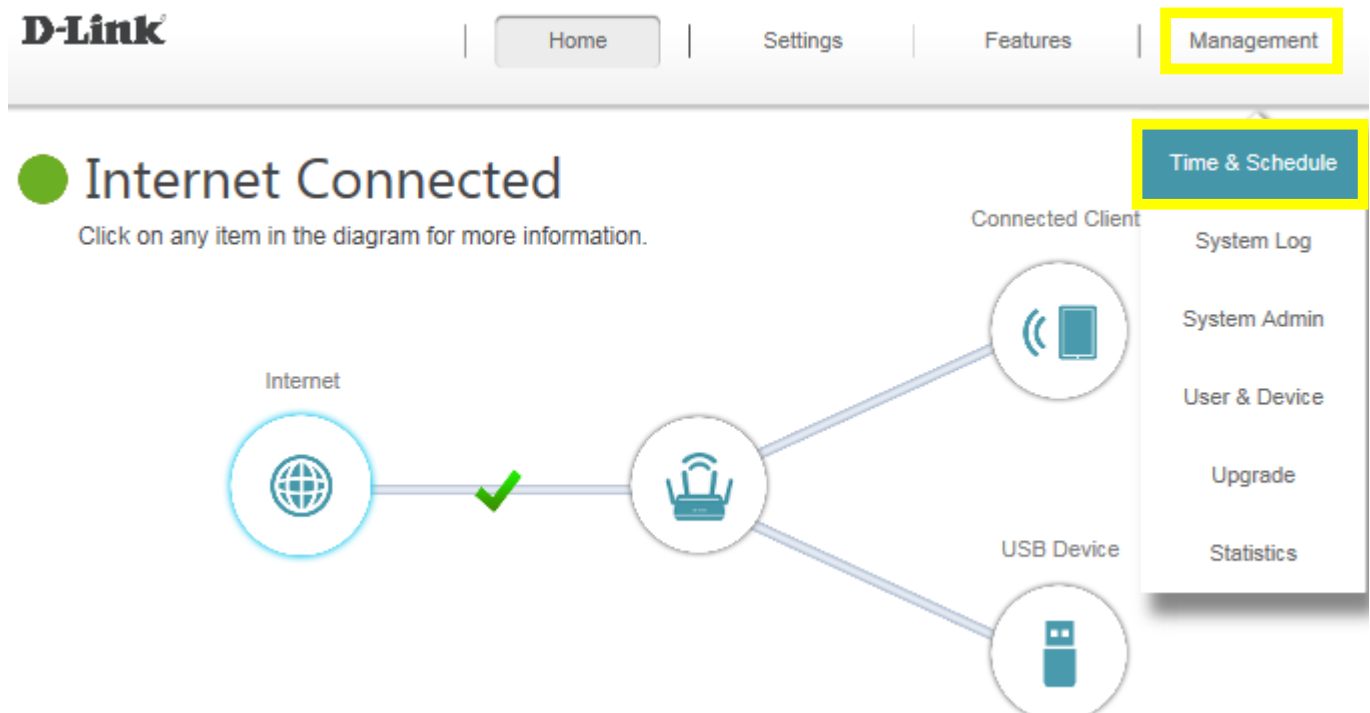
Date: 2017 07 04 (Year/ Month/ Day)

Time: 09 35 (Hour/ Minute)

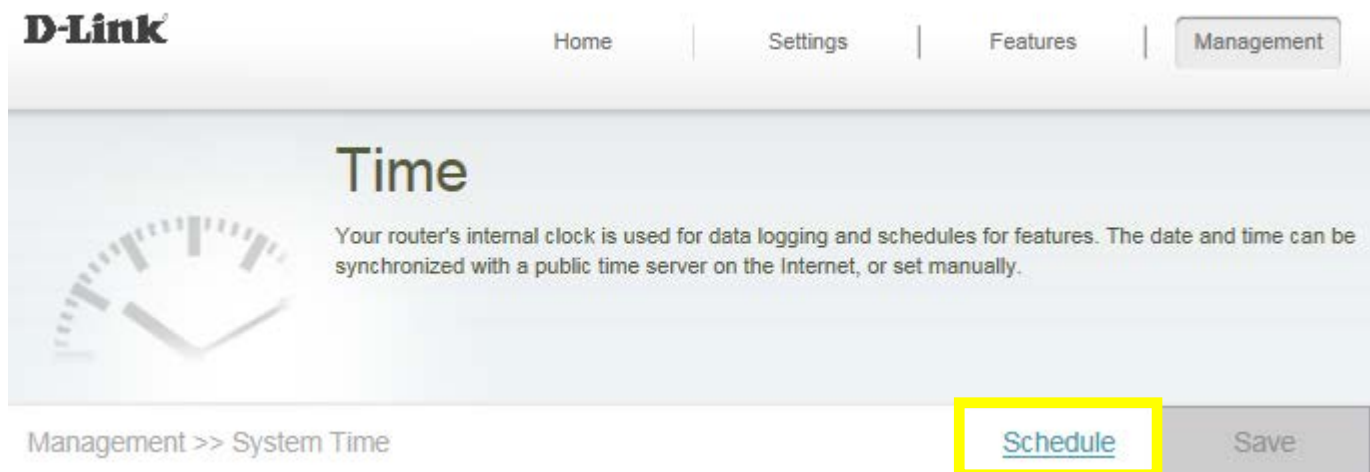
## Q36: How do I create schedule on my router?

Please launch your browser and enter <http://dlinkrouter.local> or <http://192.168.0.1> into the address bar. Then login and follow the steps below:

**Step 1:** Click on the **Maintenance -> Time & Schedule**



**Step 2:** Click **Schedule**:



**Step 3:** Click **Add Rule:**

**D-Link** Home | Settings | Features | Management

## Schedule

Some features, such as the firewall and website filters, can be turned on or off based on a schedule. One common use of schedules is to control access to the Internet by a specified device during specified time periods.

Management >> Schedule [Time](#) Save

Name	Schedule	Edit	Delete
------	----------	------	--------

**Add Rule**

Remaining: 10

**Step 4:** Create your Schedule and click **Apply**. The example below shows the scheduled time from 8:00-19:00.

Name:

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Mon									8:00 - 19:00										x					
Tue									8:00 - 19:00										x					
Wed									8:00 - 19:00										x					
Thu									8:00 - 19:00										x					
Fri									8:00 - 19:00										x					
Sat									8:00 - 19:00										x					
Sun									8:00 - 19:00										x					

**Apply**



# VPN Setting

## Q37: How to setup VPN connection?

First and foremost, please enable L2TP over IPsec, and setup Username/password/PSK to vpn/vpn/11111111, respectively:

**D-Link** Home | Settings | **Features** | Management

## Quick VPN

Quickly and easily create a profile for secure remote access to a Local Area Network (LAN). This profile can be used to configure other devices to connect to your LAN via a secure VPN tunnel.

Features >> Quick VPN **Save**

**General**

L2TP over IPsec:  Enabled

Username:

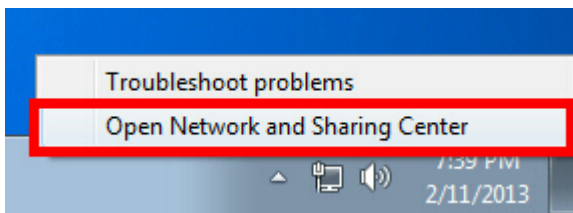
Password:

PSK:

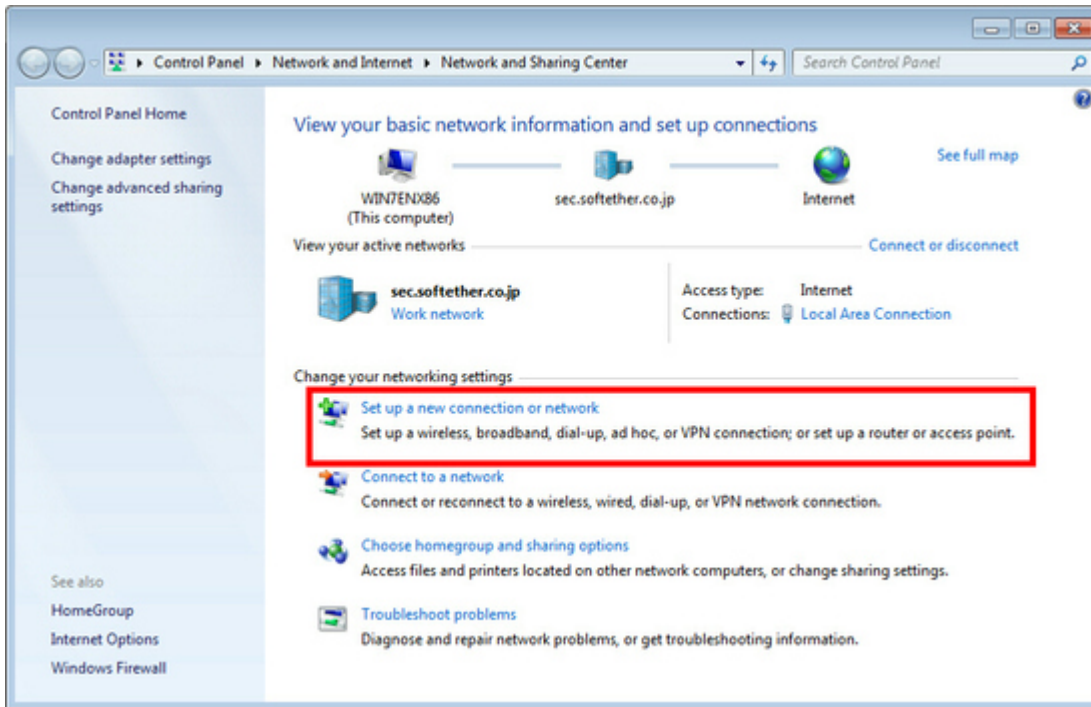
Save Configuration To Local Hard Drive:

1. Windows client:

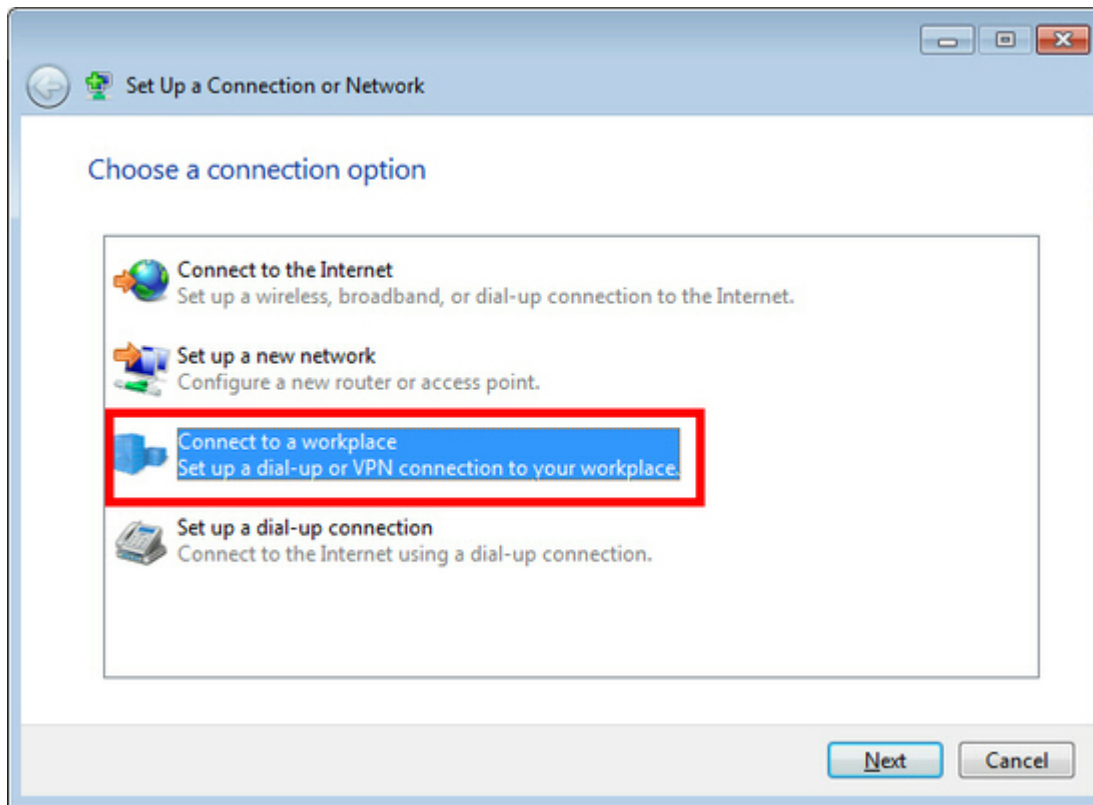
**Step 1:** Initial configurations (only once at the first time): Right-click the network icon on the bottom-right side of Windows screen, and click "**Open Network and Sharing Center**".



**Step 2:** Click "Set up a new connection or network" on the "Network Sharing Center":



**Step 3:** Select "Connect to a workplace":



**Step 4:** Select "Use my Internet connection (VPN)":

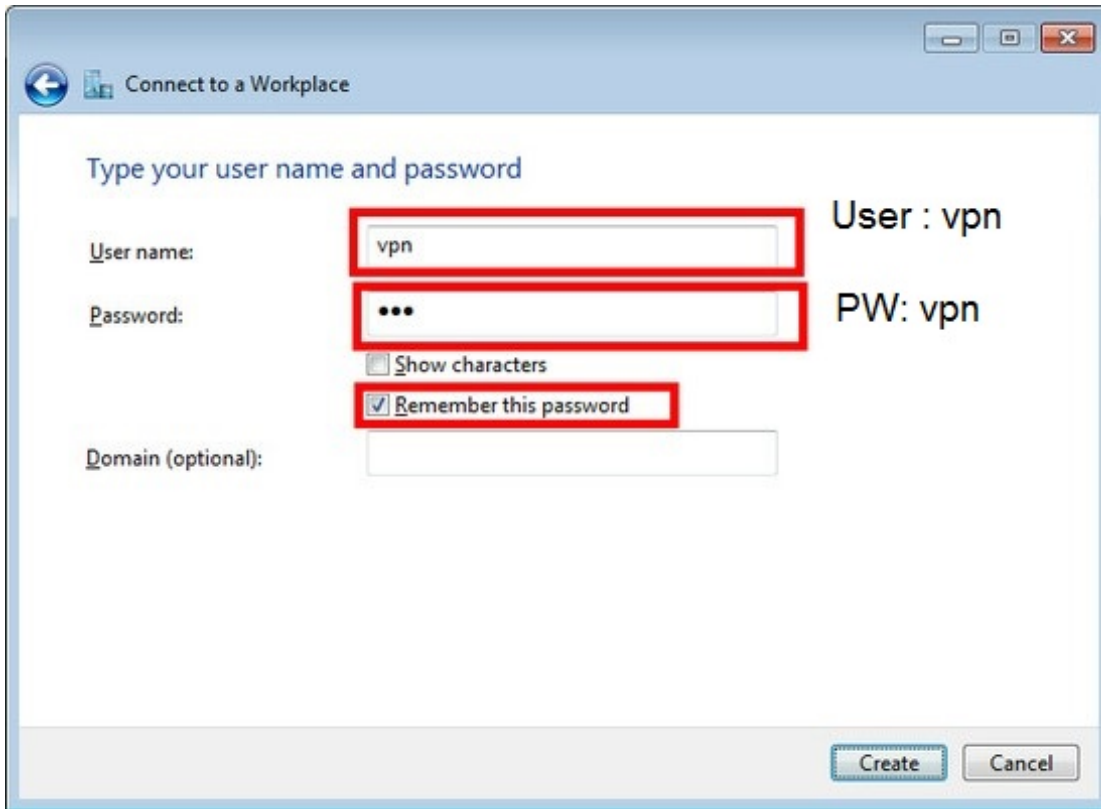


**Step 5:** You have to input the destination SoftEther VPN Server's IP address or hostname here:

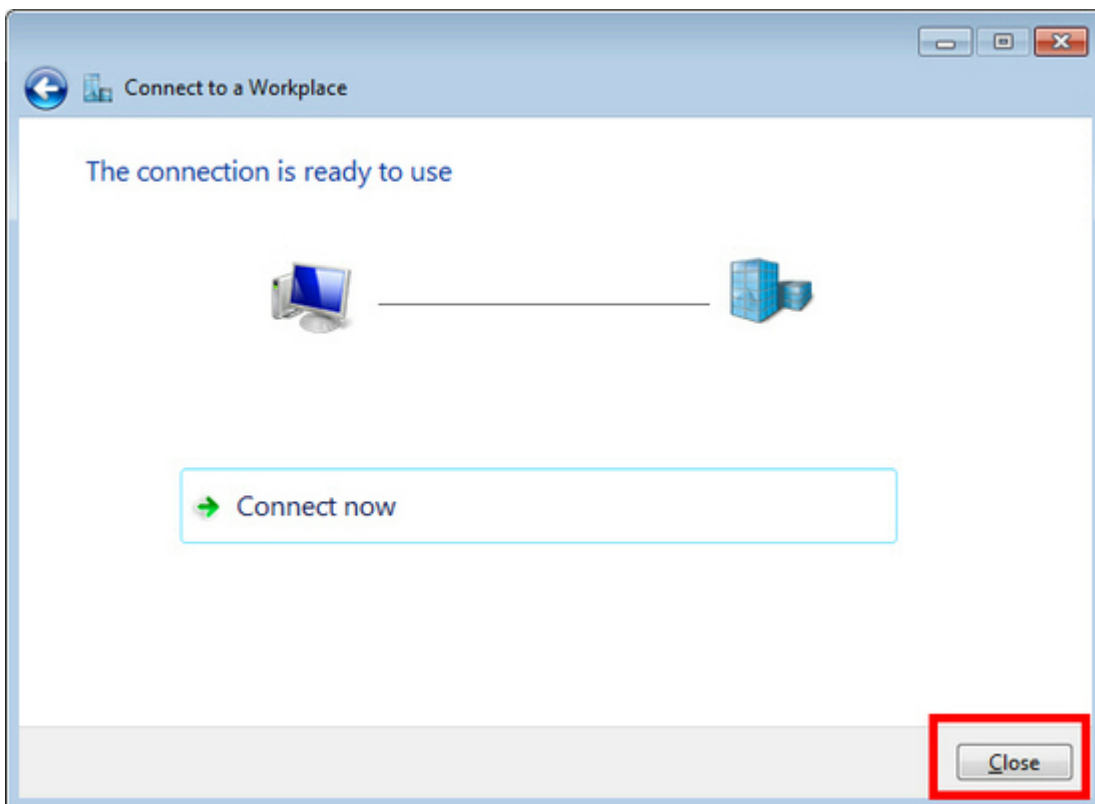


Enter either hostname or IP address on the "Internet address" field on the configuration wizard.

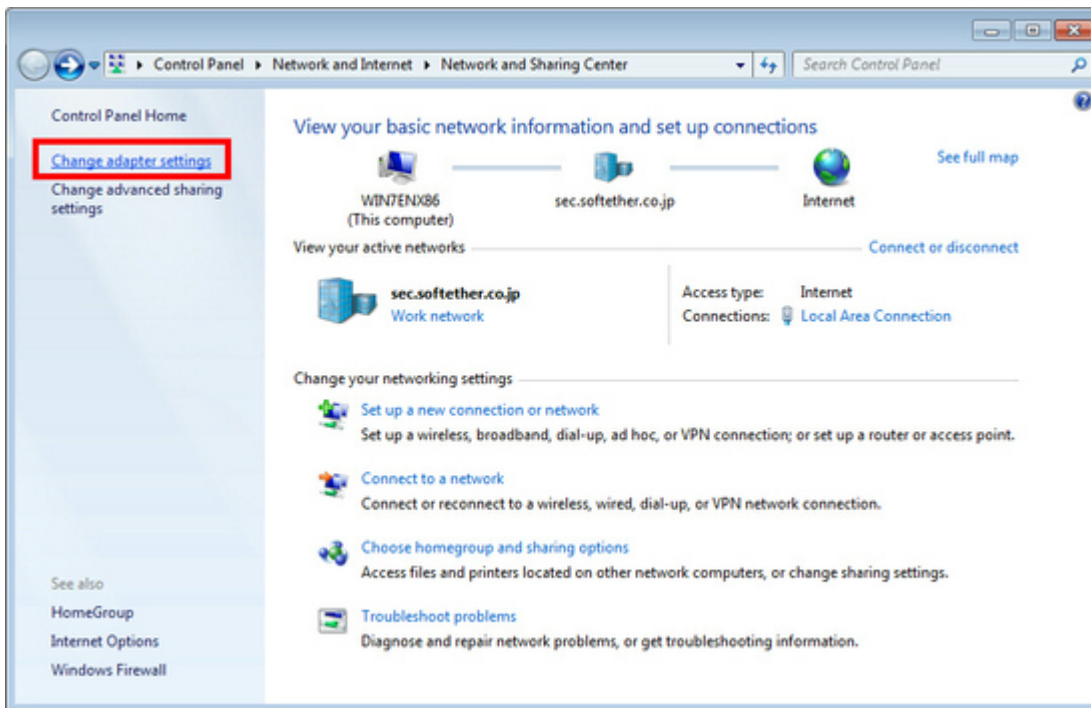
**Step 6:** Type your username and password you set on the router:



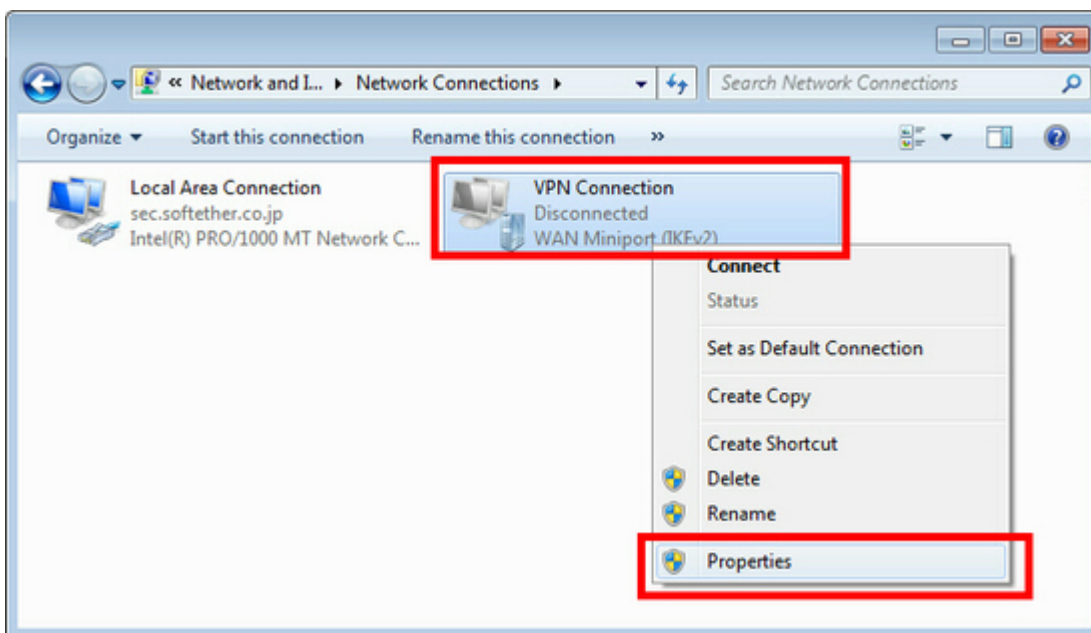
**Step 7:** When "The connection is ready to use" message appears, click the "Close" button. Do not click the "Connect now" button.



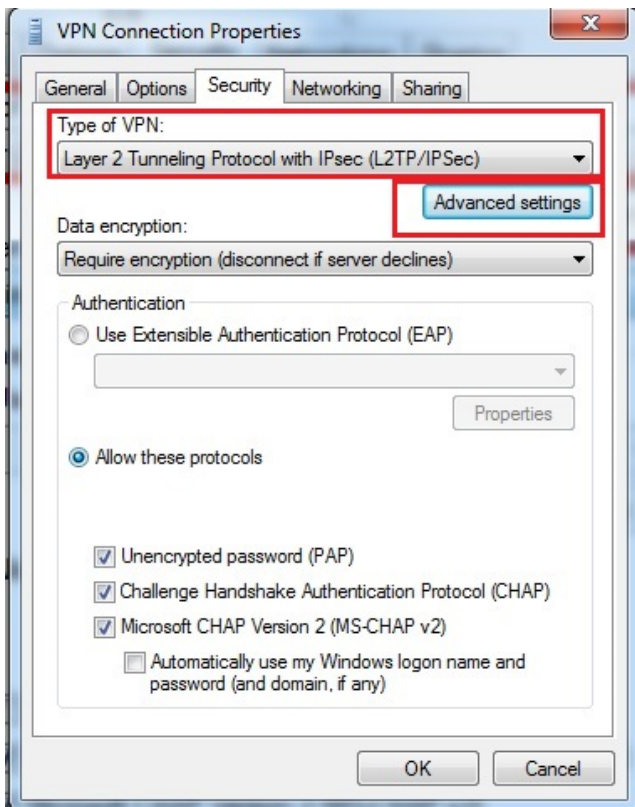
**Step 8:** Go to "Network and Sharing Center" and click "Change adapter settings":



**Step 9:** The currently defined VPN connection settings are listed. Right click the icon you created in the previous step, and click "Properties":



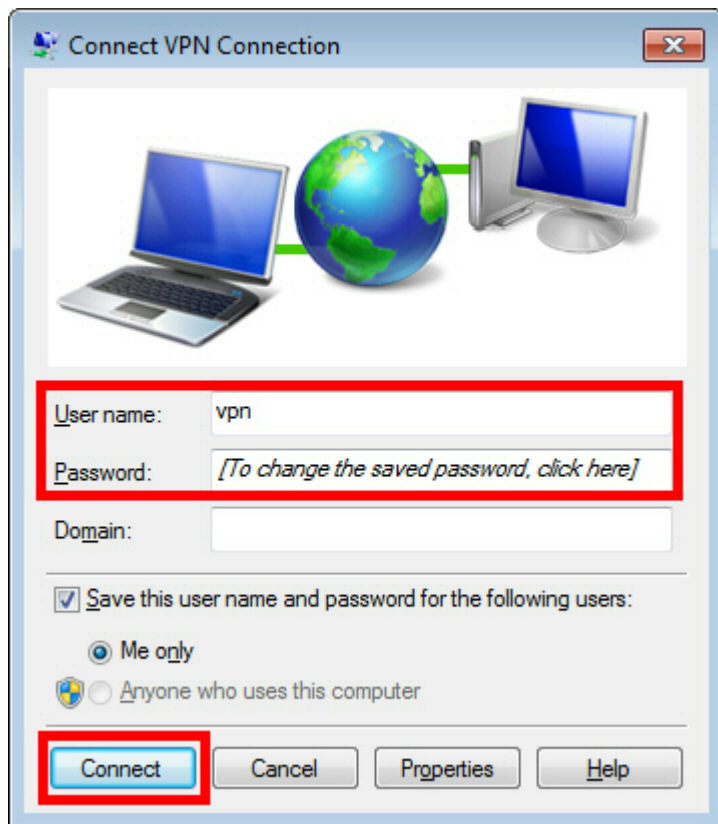
**Step 10:** On the Properties screen, switch to the "Security" tab. (In Windows XP, switch to the "Network" tab.) Choose "Layer 2 Tunneling Protocol with IPsec (L2TP/IPSec)" on the "Type of VPN" drop-down list.



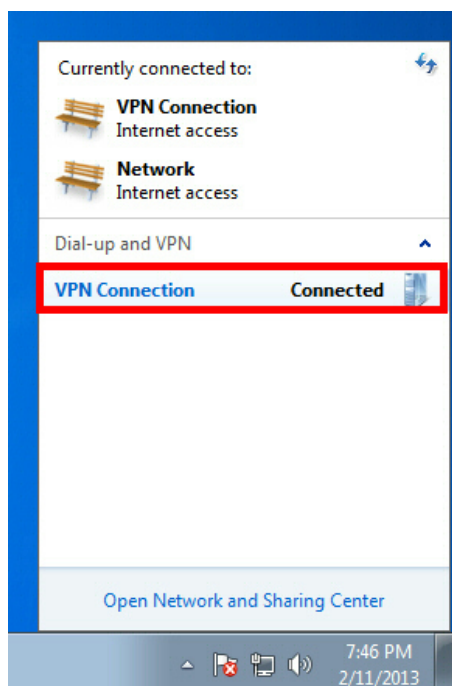
The following screen will appear. Click "Use preshared key for authentication" and input the pre-shared key on the "Key" field.



**Step 11:** Connect to the VPN Server: Double-click the created VPN connection setting, the below screen will appear. "User name" and "Password" fields should be filled automatically if you enable password-saving options in previous steps. If not, input both "User name" and "Password" fields. Click the **"Connect"** button to start the VPN connecting attempts.



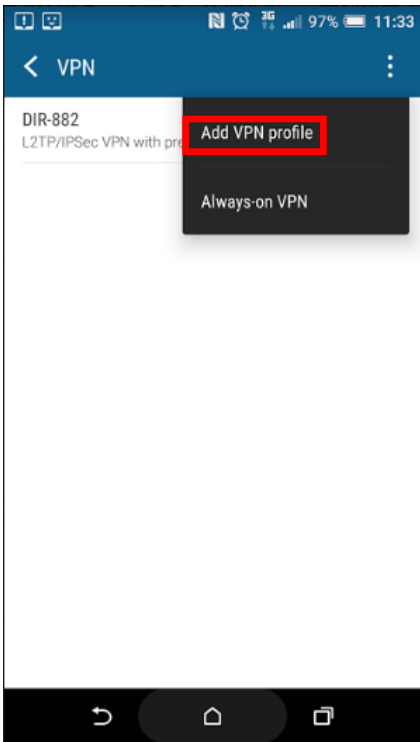
**Step 12:** If the VPN connection is successfully established, a VPN connection icon will be listed on the screen which appears when you click the network icon on the bottom-right of Windows screen. The status of the VPN connection icon should be "Connected".





2. Mobile client (Android):

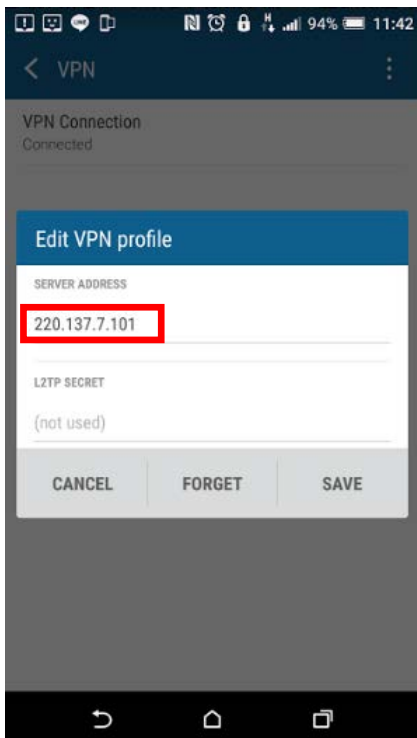
**Step 1:** Go to **Settings -> More -> VPN**, then add new VPN profile:



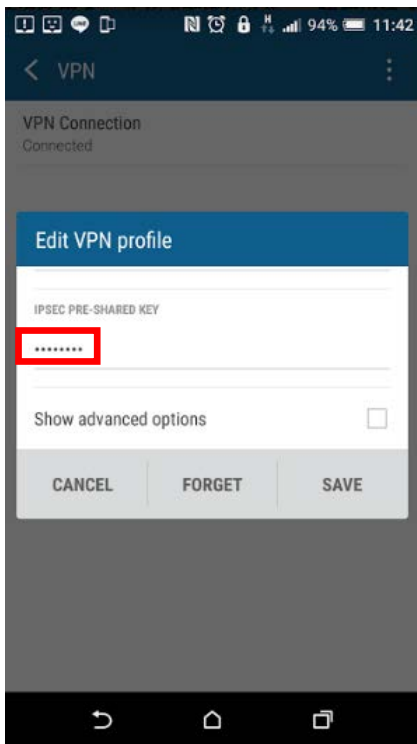
**Step 2:** Edit the name of VPN connection and select VPN type as **L2TP/IPSec PSK**:



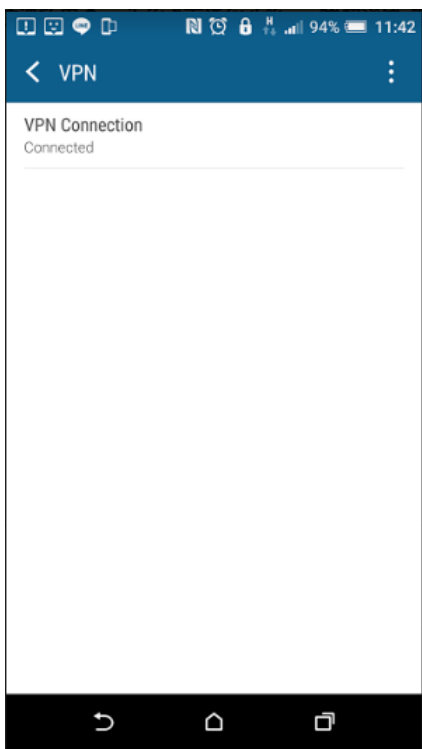
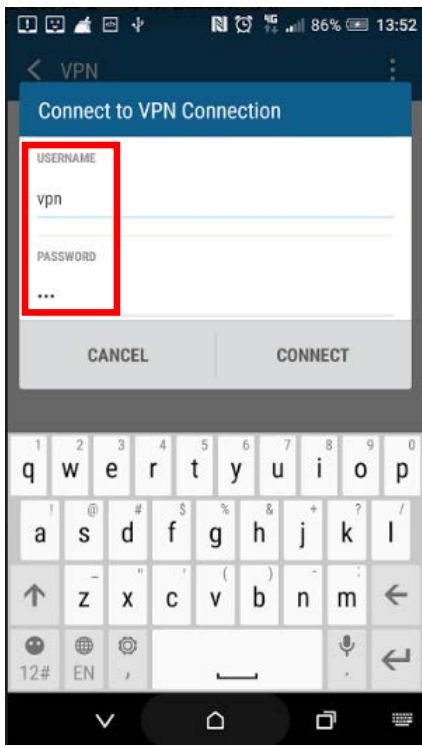
**Step 3:** Fill in the WAN IP address:



**Step 4:** Fill in the Pre-shared key:



**Step 5:** Connect to your VPN server:



**Step 6:** Make sure if you can ping your client under DUT:

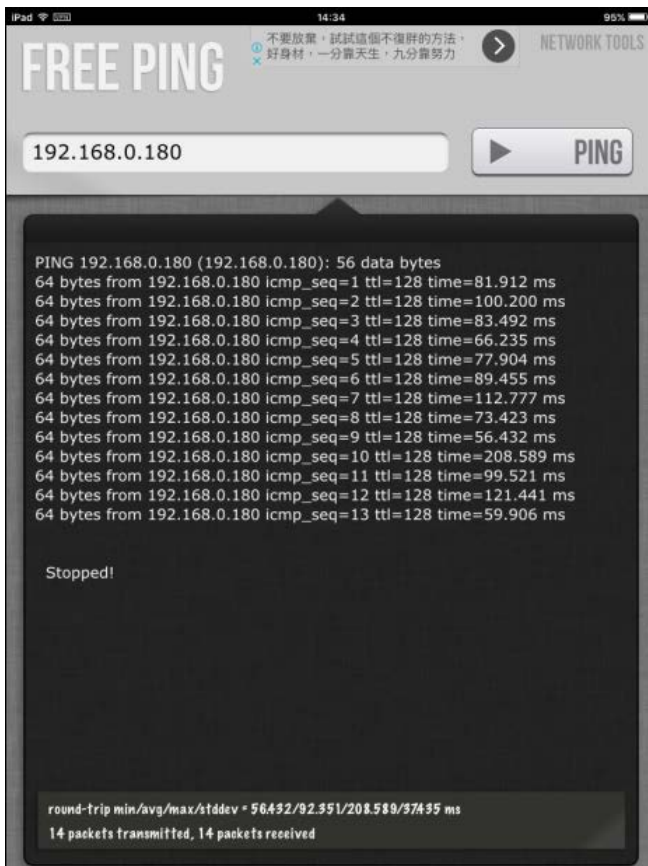


### 3. Mobile client (iOS):

**Step 1:** Setup the required information for VPN connection:



**Step 2:** Make sure if you can ping your client under DUT:

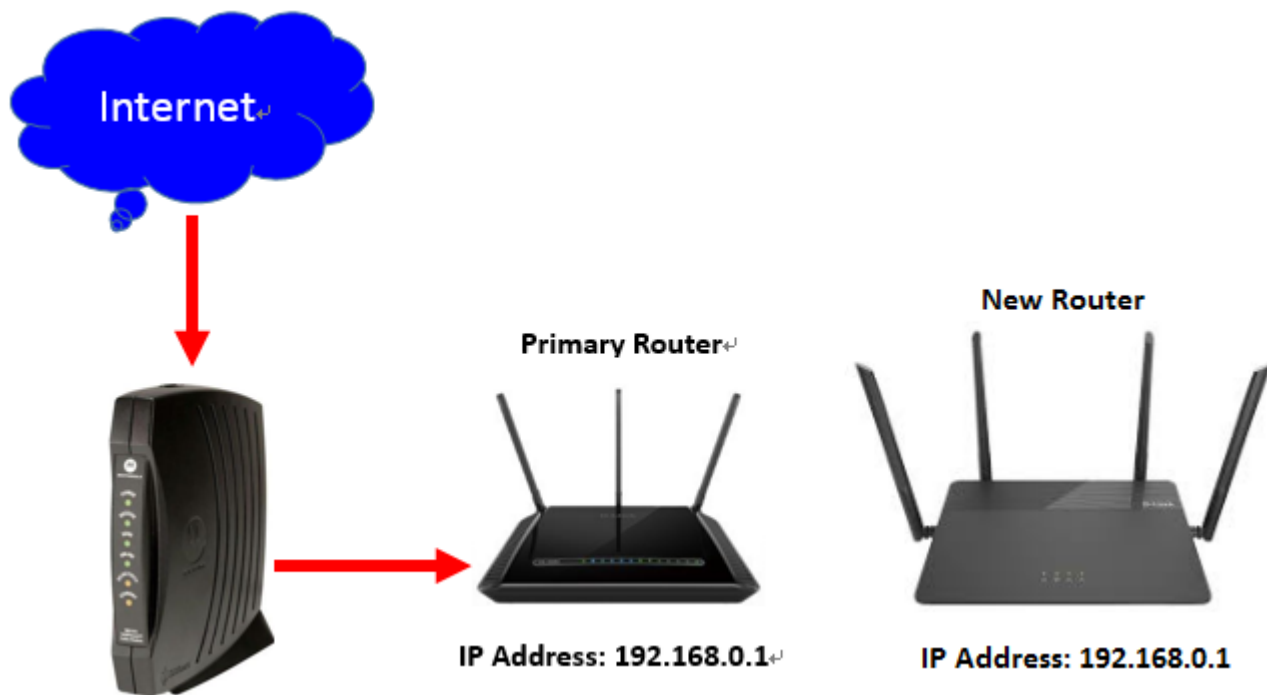


# Advanced Application

## Q38: How do I connect two routers together?

Connecting multiple routers together may be necessary if you have one of the following issues:

- Your Internet provider has provided you a Modem/Router (two in one) and you want to connect a new router to it.
- You want to expand the amount of Ethernet ports in your network (without a switch)
- You want to extend the range of the wireless signal in your home (by using the 2nd router as an access point)



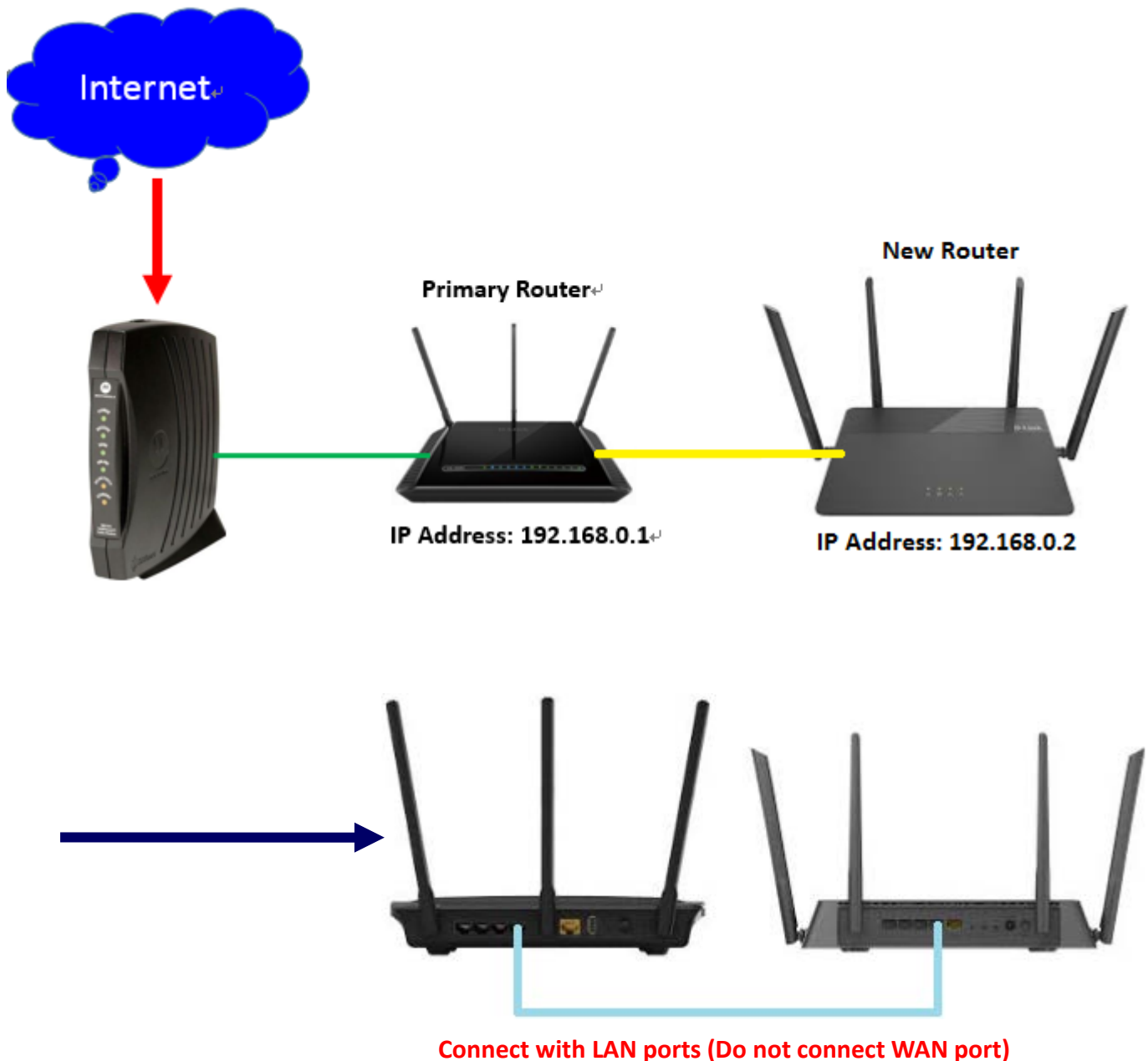
**Note: DO NOT** Connect the routers together until these settings have been changed.

Please launch your browser and enter <http://dlinkrouter.local> or <http://192.168.0.1> into the address bar. Then login and follow the steps below:

**Step 1: Change the IP address to 192.168.0.2.** Then, click advanced settings on the bottom right, and **Disable the DHCP Server.**

The screenshot displays the D-Link router's web management interface. At the top, the navigation menu includes 'Home', 'Settings' (highlighted in yellow), 'Features', and 'Management'. Below the menu, a status bar indicates 'Internet Connected' with a green dot and a message: 'Click on any item in the diagram for more information.' A network diagram shows 'Internet' connected to the router, with a green checkmark. A dropdown menu is open over the router icon, listing 'Wizard', 'Internet', 'Wireless', 'Network' (highlighted in yellow), and 'USB Sharing'. To the right, 'Connected Clients: 1' is shown with a wireless device icon, and 'USB Device' is shown with a USB icon. Below the diagram, the breadcrumb 'Settings >> Network' is visible, followed by a 'Save' button (highlighted in yellow). The 'Network Settings' section contains the following fields: 'LAN IP Address' (192.168.0.2, highlighted in yellow with a red arrow), 'Subnet Mask' (255.255.255.0), 'Management Link' (http://dlinkrouter.local/), 'Local Domain Name' (empty), and 'Enable DNS Relay' (Enabled). A link for 'Advanced Settings...' is located at the bottom right of this section. The 'DHCP Server' section shows the 'Status' set to 'Disabled' (highlighted in yellow with a red arrow). Other settings include 'DHCP IP Address Range' (192.168.0.100 to 192.168.0.199), 'DHCP Lease Time' (10080 minutes), and 'Always Broadcast' (Disabled, with a note: '(compatibility for some DHCP Clients)').

**Step 2:** Connect a cable from a LAN port (1,2,3,4) on your Primary Router to a LAN port (1,2,3,4) on your new router.



The setup is now complete. If you now want to configure the wireless settings on your "new" router, go to this address: <http://192.168.0.2>.

**Note: NAT**, defined in RFC 3022, allows a host that does not have a valid, registered, globally unique IP address to communicate with other hosts through the Internet. The hosts might be using private addresses or addresses assigned to another organization. In either case, NAT allows these addresses that are not Internet-ready to continue to be used and still allows communication with hosts across the Internet.