

DIR-878

FAQ's

Contents

Q1: How do I login to my DIR-878?	2
Q2: How do I change the login password?	3
Q3: What is smart connect?.....	4
Q4: How do I set up and secure my wireless signal?	5
Q5: How many simultaneous users can my Wi-Fi network handle?	8
Q6: How do I enable Guest Zone/Guest Access on my router?	9
Q7: How to upgrade firmware for DIR-878?.....	11
Q8: How to check firmware version of router?	14
Q9: How to clone my PC MAC address to the router?.....	15
Q10: Why are some websites still accessible after configuring parental control on router? .	17
Q11: How to reset my DIR-878 to factory default setting?	19
Q12: My router is dropping connections, how to fix this?.....	20
Q13: What can I do if I'm having wireless connection problems?	21
Q14: How do I open ports for routers?	24
Q15: How do I set up website filter on my router?.....	29
Q16: How do I configure Dynamic DNS on my router?.....	31
Q17: How do I disable DNS relay?.....	32
Q18: How do I configure inbound filter?.....	33
Q19: Why won't my VoIP device work with my router?	36
Q20: How do I configure DHCP reservation?	39
Q21: How do I configure 802.11 mode on my router?	41
Q22: How do I backup/restore the configuration on my router?.....	44
Q23: Why am I unable to register my device with dlinkddns?	46
Q24: How do I change the router's IP address?.....	47
Q25: How do I configure QoS on my router?.....	48
Q26: How do I enable remote management for my router?	50
Q27: How do I enable DMZ on my router?.....	52
Q28: How do I configure the time on my router?.....	53
Q29: How do I create schedule on my router?	55
Q30: How do I connect two routers together?.....	57
Q31: What is WPS?	60

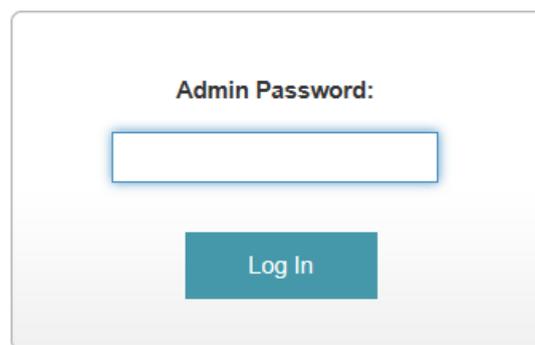
Q1: How do I login to my DIR-878?

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.

A screenshot of the D-Link login page. It shows a central box with the text "Admin Password:" above a text input field. Below the input field is a teal "Log In" button.

Note: Administering a Router over Wi-Fi:

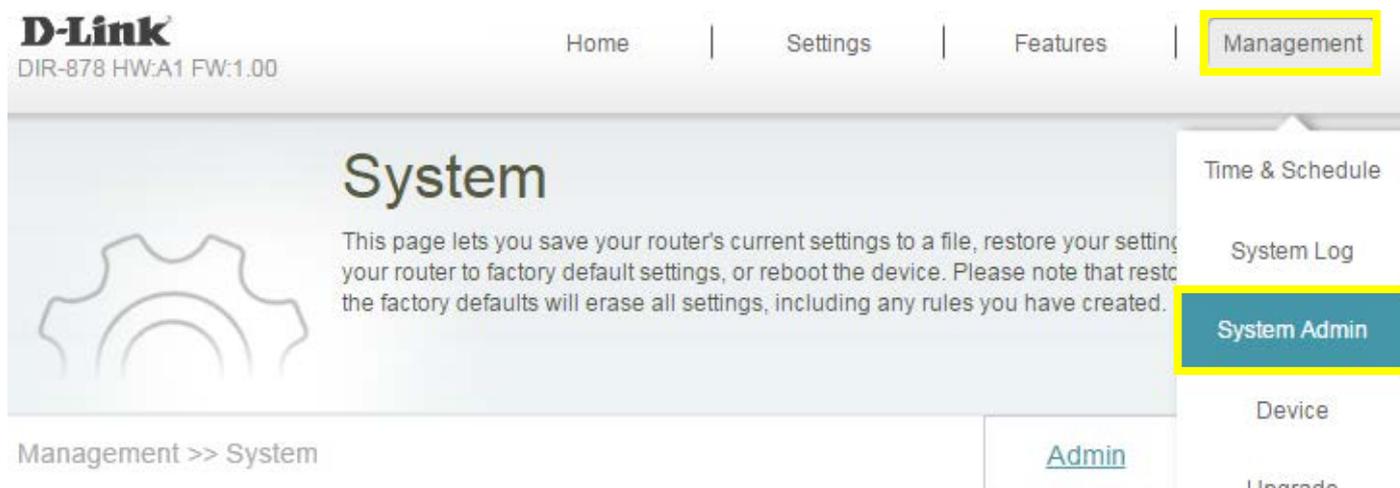
Setting up a router for the first time is best done over a wired connection so that your connection isn't dropped if the security or wireless settings are changed the process. However, it can be done over wireless too.

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.

Q2: How do I change the login password?

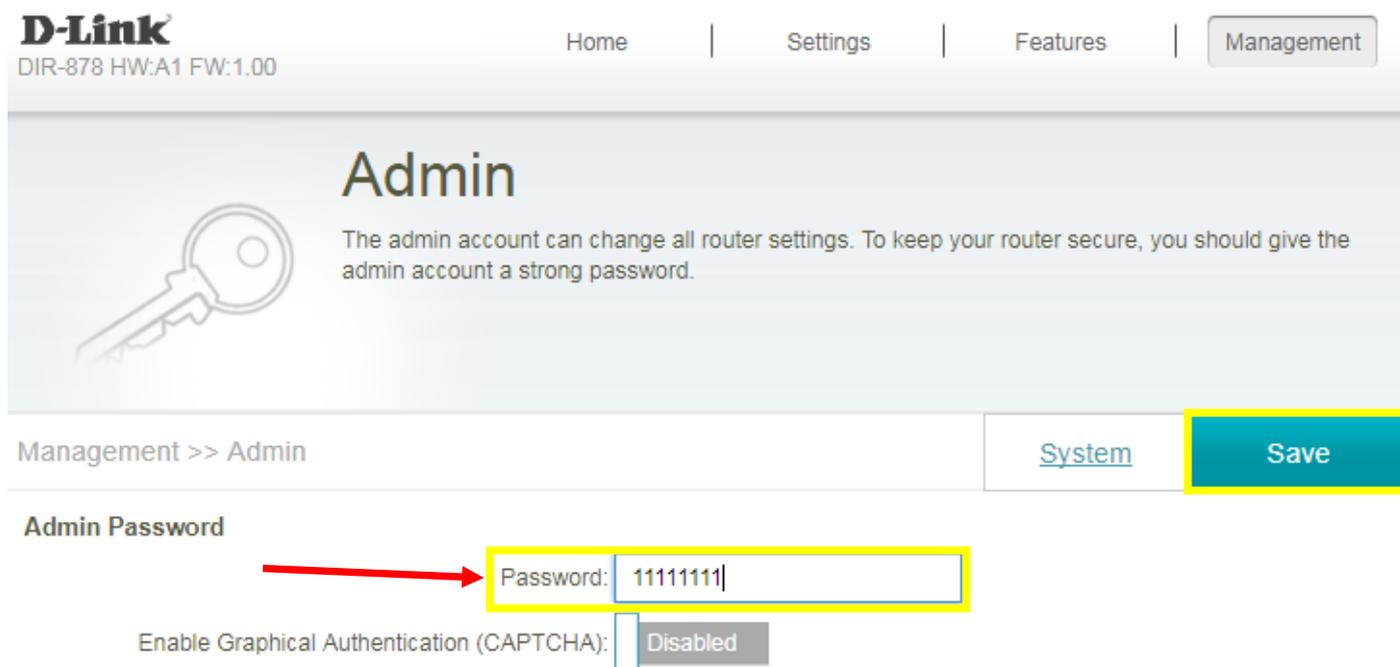
Please launch your browser and enter <http://dlinkrouter.local> or <http://192.168.0.1> into the address bar. Then login and follow the steps below:

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



The screenshot shows the D-Link router management interface. At the top left is the D-Link logo and the model information "DIR-878 HW:A1 FW:1.00". The navigation menu includes "Home", "Settings", "Features", and "Management". The "Management" menu is highlighted with a yellow box. Below the navigation menu, the "System" page is displayed. The "System" page has a gear icon and a description: "This page lets you save your router's current settings to a file, restore your settings, your router to factory default settings, or reboot the device. Please note that restoring the factory defaults will erase all settings, including any rules you have created." Below the description, there is a breadcrumb "Management >> System" and a button labeled "Admin". On the right side, a dropdown menu is open, showing options: "Time & Schedule", "System Log", "System Admin" (highlighted with a yellow box), "Device", and "Upgrade".

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



The screenshot shows the D-Link router management interface. At the top left is the D-Link logo and the model information "DIR-878 HW:A1 FW:1.00". The navigation menu includes "Home", "Settings", "Features", and "Management". Below the navigation menu, the "Admin" page is displayed. The "Admin" page has a key icon and a description: "The admin account can change all router settings. To keep your router secure, you should give the admin account a strong password." Below the description, there is a breadcrumb "Management >> Admin" and a button labeled "System". On the right side, a button labeled "Save" is highlighted with a yellow box. Below the breadcrumb, the "Admin Password" section is visible. It contains a "Password:" label and a text input field with the value "11111111". A red arrow points to the input field. Below the input field, there is a checkbox labeled "Enable Graphical Authentication (CAPTCHA):" which is currently "Disabled".

Q3: What is smart connect?

Smart Connect - Creates a 'single' wireless network for your devices to connect to. Behind the scenes, the DIR-878 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**:

D-Link
DIR-878 HW:A1 FW:1.00

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:

[Advanced Settings...](#)

Wi-Fi Protected Setup

WPS-PBC Status: **Enabled**

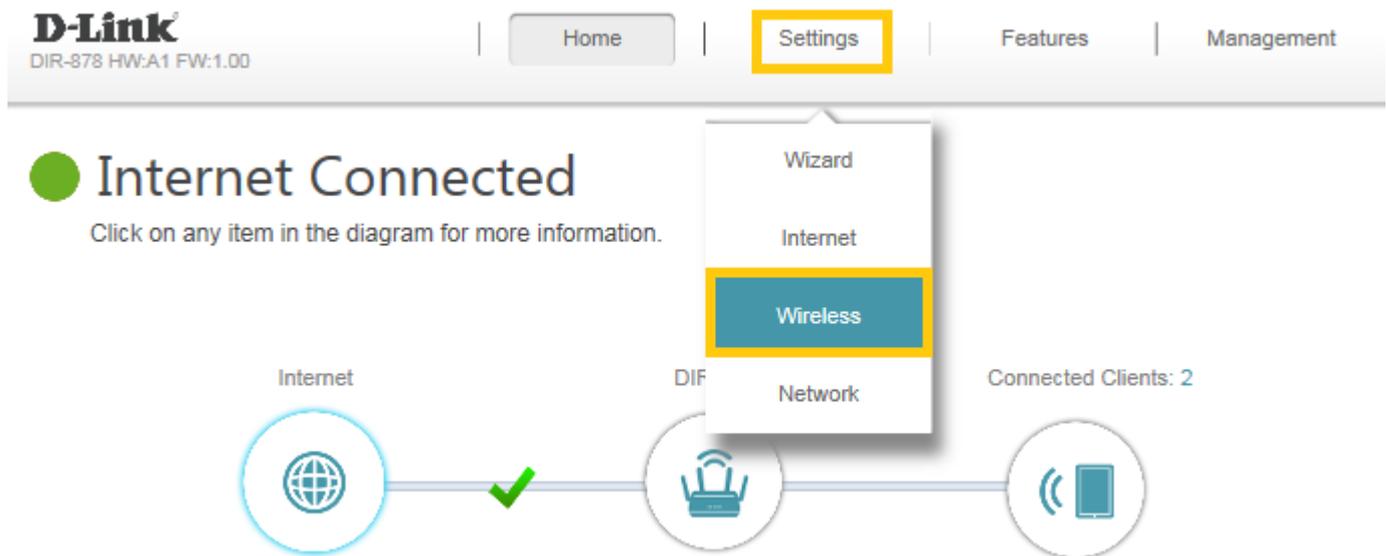
WPS-PIN Status: **Disabled**

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

Q4: How do I set up and secure my wireless signal?

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
DIR-878 HW:A1 FW:1.00

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): brianwu-DIR878

Password: 12345678

(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:

Note: Please check Q3 as the link below about the detailed information about Smart Connect:

[Q3: What is smart connect?](#)

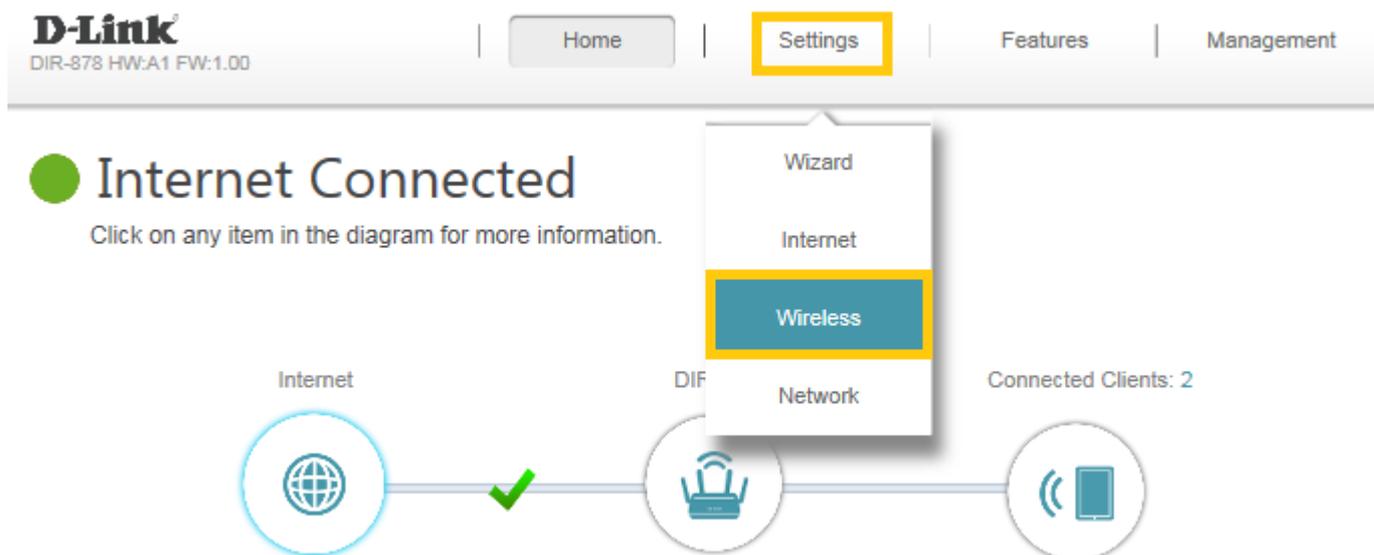
Q5: How many simultaneous users can my Wi-Fi network handle?

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.

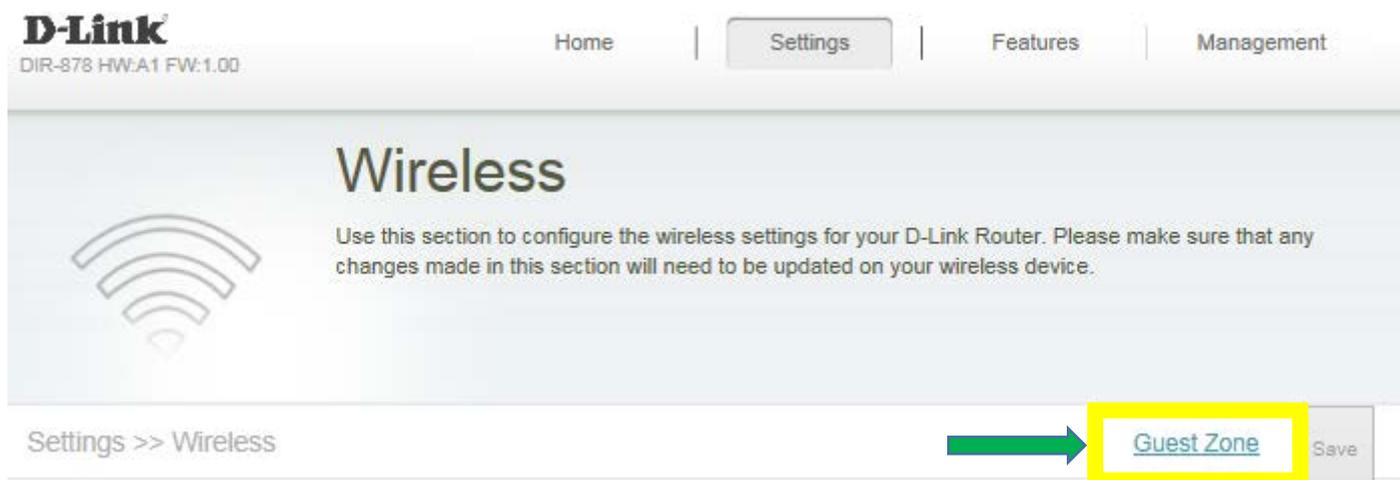
Q6: How do I enable Guest Zone/Guest Access on my router?

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: ▾

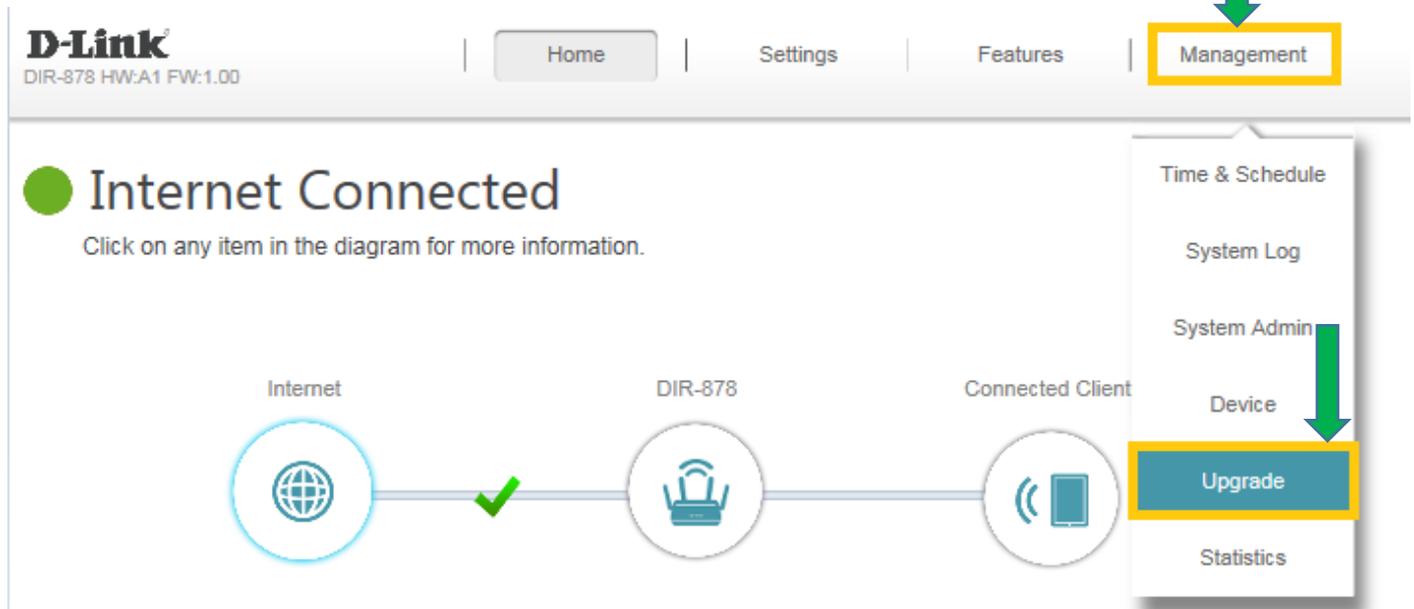
Home Network Access

Internet Access Only: Enabled

Q7: How to upgrade firmware for DIR-878?

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**



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

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: 2017-02-23 21:50:20

Check for New Firmware

Upgrade Manually

Upgrade Firmware

Select File



Step 3: Click **Upload**

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: 2017-02-23 21:50:20

Check for New Firmware

Firmware you selected to upload

Upgrade Manually

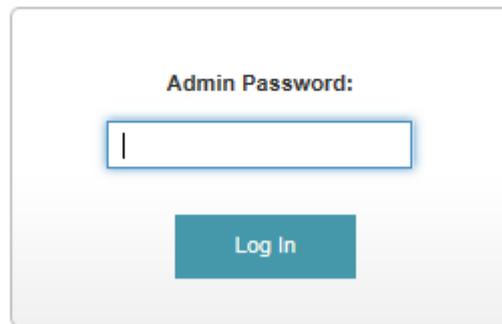
Upgrade Firmware: Select File

DIR882A1_FW100B07.bin

Upload

Q8: 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 top right hand corner of the page.



The screenshot shows a login form titled 'Admin Password:'. It consists of a text input field with a vertical cursor on the left side, and a teal 'Log In' button positioned below the input field.

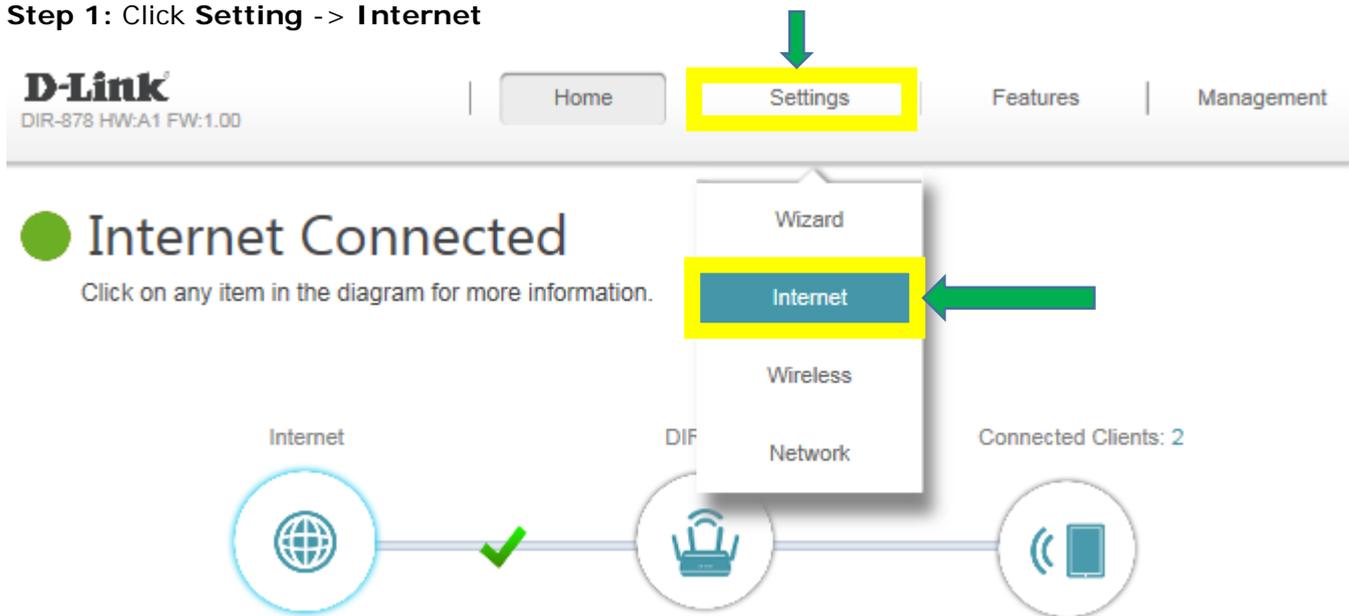
Q9: How to clone my PC MAC address to the router?

Few cable internet providers requires you to clone PC Mac address in order to go online through the router.

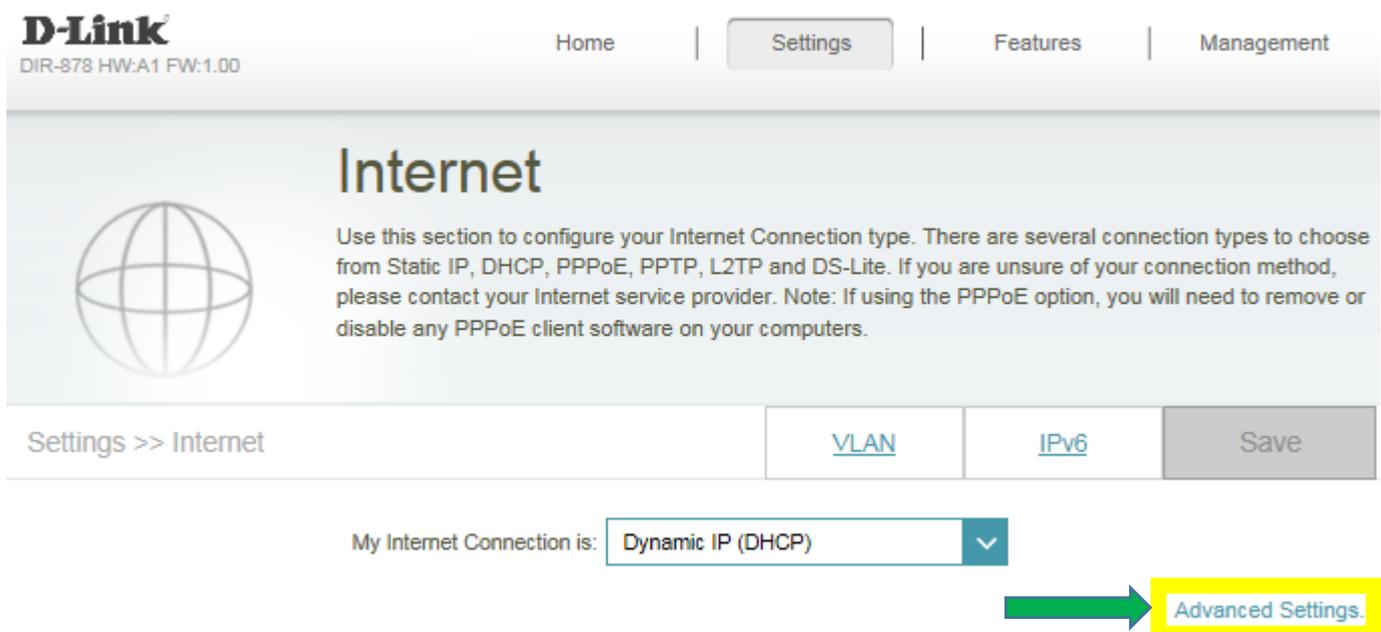
Note: It is recommended to clone MAC address from last computer which was able to go online when connected to modem.

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**



Step 2: Click **Advanced Setting**



Step 3: Find **Mac address clone** field, then select one Mac address from the drop-down menu and click **Save**

D-Link
DIR-878 HW:A1 FW:1.00

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...](#)

Host Name:

Primary DNS Server:

Secondary DNS Server:

MTU:

MAC Address Clone:

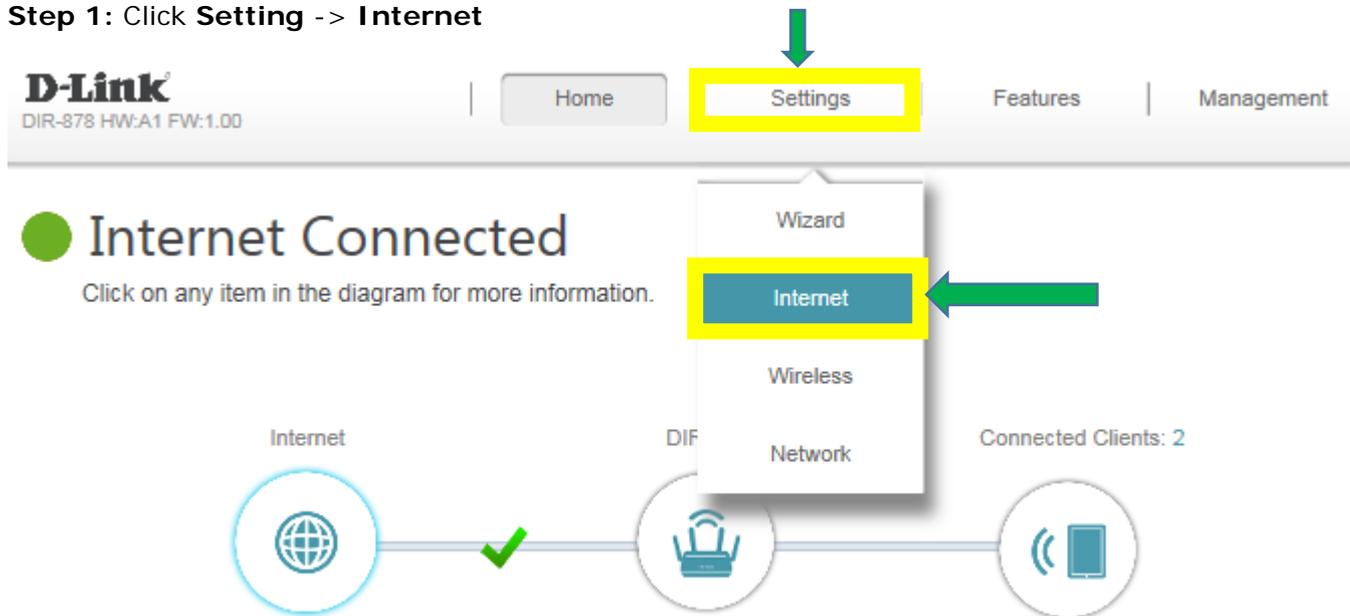
- << MAC Address
- << MAC Address
- F0:DE:F1:DB:33:FA
- A0:88:B4:38:5C:70

COPYRIGHT © 2016 D-Link

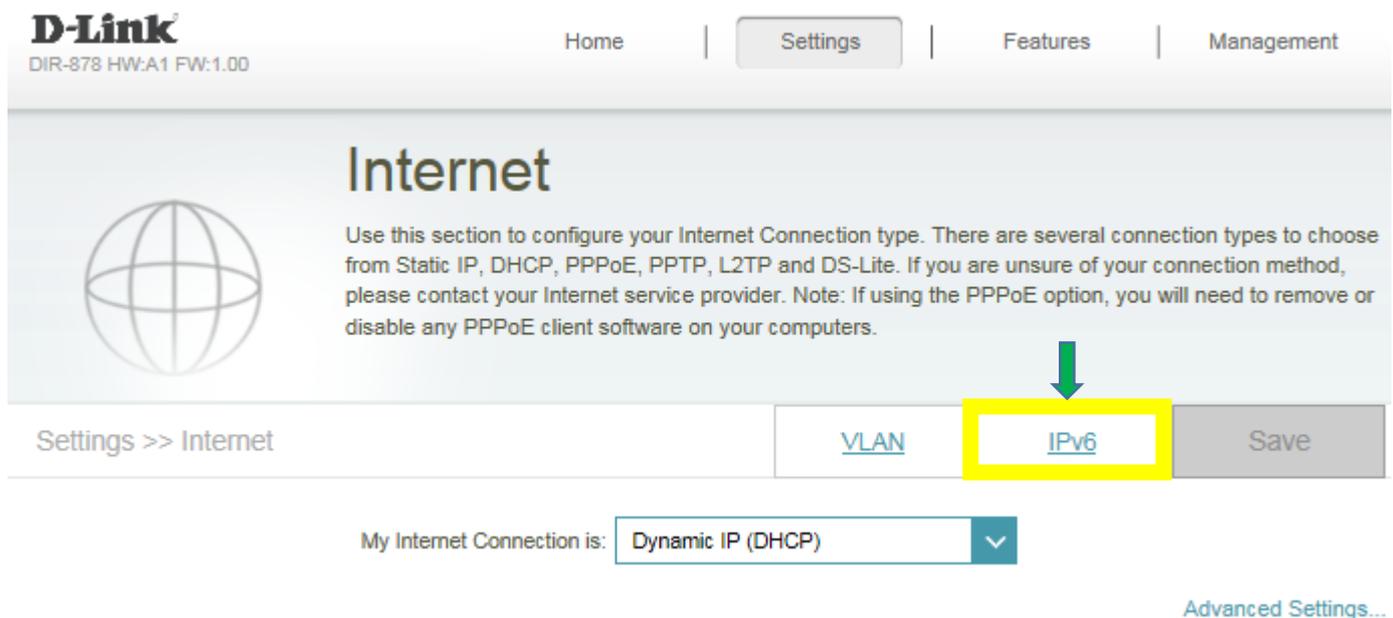
Q10: Why are some websites still accessible after configuring parental control on router?

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 **Setting** -> **Internet**



Step 2: Select **IPv6**:



Step 3: Click on the IPv6 tab and select "**Local Connectivity Only**" for Internet connection. Then click **Save**.

D-Link
DIR-878 HW:A1 FW:1.00

Home | Settings | Features | Management

IPv6

All of your IPv6 Internet and network connection details are displayed on this page.

Settings >> Internet >> IPv6

VLAN IPv4 **Save**

My Internet Connection is: Auto Detection

IPv6 DNS Settings

DNS Type: Auto Detection

LAN IPv6 Address Settings

Enable DHCP-PD: Static IPv6

LAN IPv6 Link-Local Address: Auto Configuration (SLAAC/DHCPv6)

6to4

6rd

Local Connectivity Only

Advanced Settings...

Q11: How to reset my DIR-878 to factory default setting?

Example: 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.

Note: Performing a factory reset will erase all current settings, and this action cannot be undone.

Step 1: With the unit on, use the end of a paperclip to press the reset button for more than ten 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. **Resetting the router does not reset the firmware to the previous version, but it will change all settings back to factory defaults.**

Note: The password for the Administrator (Admin) account will be reset to the default. When logging in for the first time after resetting your router, leave the Password field blank and click Log In.

Q12: 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- [Q7: How to upgrade firmware for DIR-878?](#)

3. Perform a factory reset on the router. Please follow this link for instructions: [Q11: How to reset my DIR-878 to factory default setting?](#)

Q13: What can I do if I'm having wireless connection problems?

If you are experiencing any of the below wireless problems:

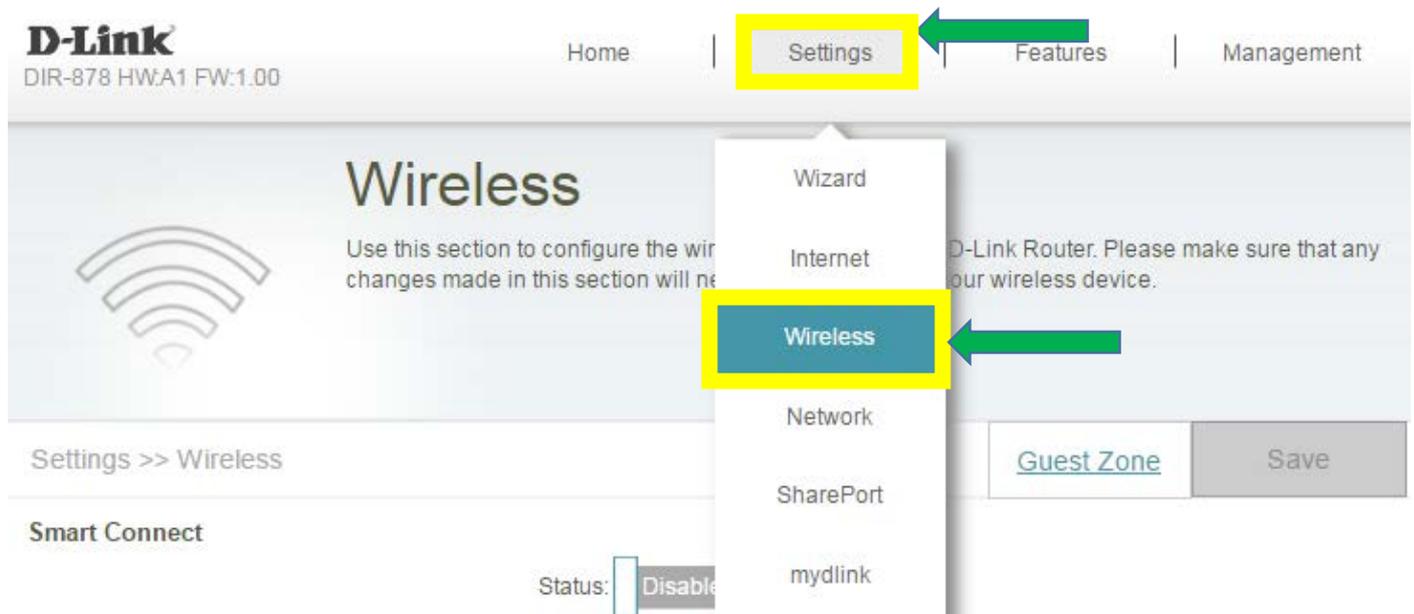
- Slow Wireless Speeds
- Wireless Connection Drops
- Low Wireless Signal

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 your 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 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:



5GHz

Status: Enabled

Wi-Fi Name (SSID):

Password:



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:

Wi-Fi Channel:

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- [Q7: How to upgrade firmware for DIR-878?](#)

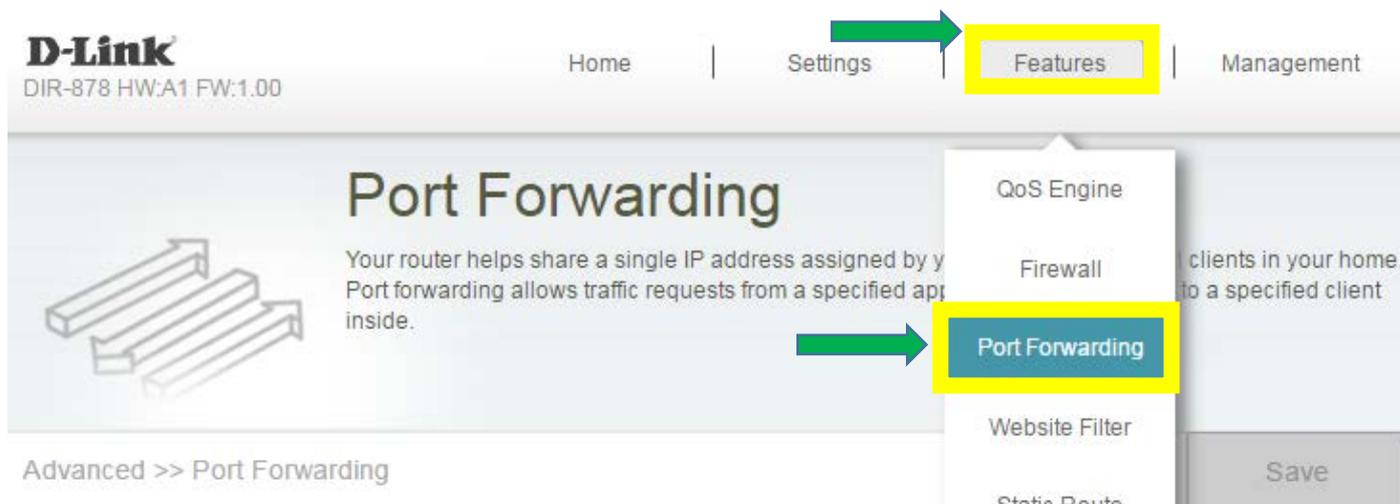
Q14: How do I open ports for routers?

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.

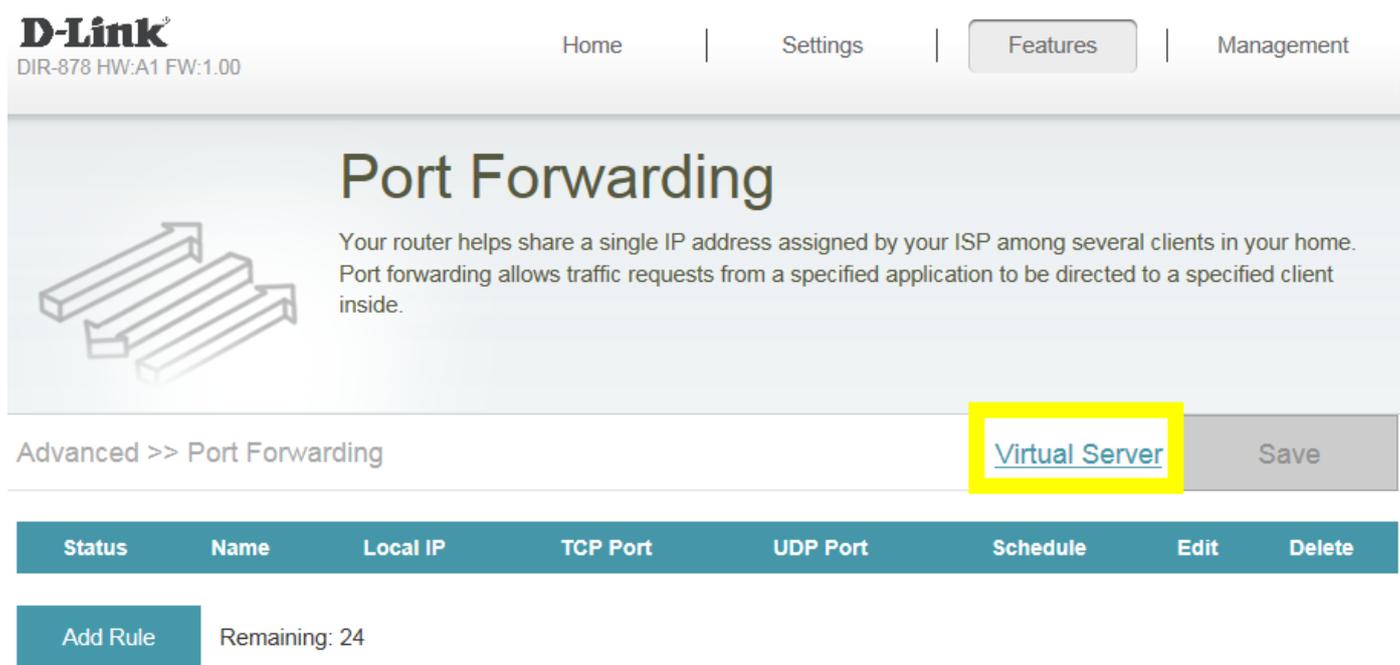
Please launch your browser and enter `http://dlinkrouter.local` or `http://192.168.0.1` into the address bar. Then login and follow the steps below:

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



The screenshot shows the D-Link router web interface. At the top, there is a navigation bar with 'Home', 'Settings', 'Features', and 'Management'. The 'Features' menu is highlighted with a yellow box, and a green arrow points to it. Below the navigation bar, the 'Port Forwarding' section is visible. It contains an icon of three arrows pointing right, a title 'Port Forwarding', and a description: '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.' A green arrow points to the 'Port Forwarding' option in the dropdown menu. Below the description, there is a link 'Advanced >> Port Forwarding' and a 'Save' button.

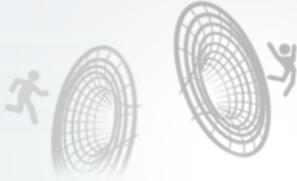
Step 2: Click **Virtual Server** and **Add Rule**



The screenshot shows the D-Link router web interface. At the top, there is a navigation bar with 'Home', 'Settings', 'Features', and 'Management'. The 'Features' menu is highlighted with a yellow box, and a green arrow points to it. Below the navigation bar, the 'Port Forwarding' section is visible. It contains an icon of three arrows pointing right, a title 'Port Forwarding', and a description: '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 the description, there is a link 'Advanced >> Port Forwarding' and a 'Virtual Server' button highlighted with a yellow box. To the right of the 'Virtual Server' button is a 'Save' button. Below the 'Virtual Server' button, there is a table with columns: Status, Name, Local IP, TCP Port, UDP Port, Schedule, Edit, and Delete. Below the table, there is an 'Add Rule' button and the text 'Remaining: 24'.

Status	Name	Local IP	TCP Port	UDP Port	Schedule	Edit	Delete
Add Rule Remaining: 24							

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	192.168.0.107	TCP	21	21	Always Enable		

Add Rule Remaining: 23

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.

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	192.168.0.101	TCP	21	21	Always Enable		

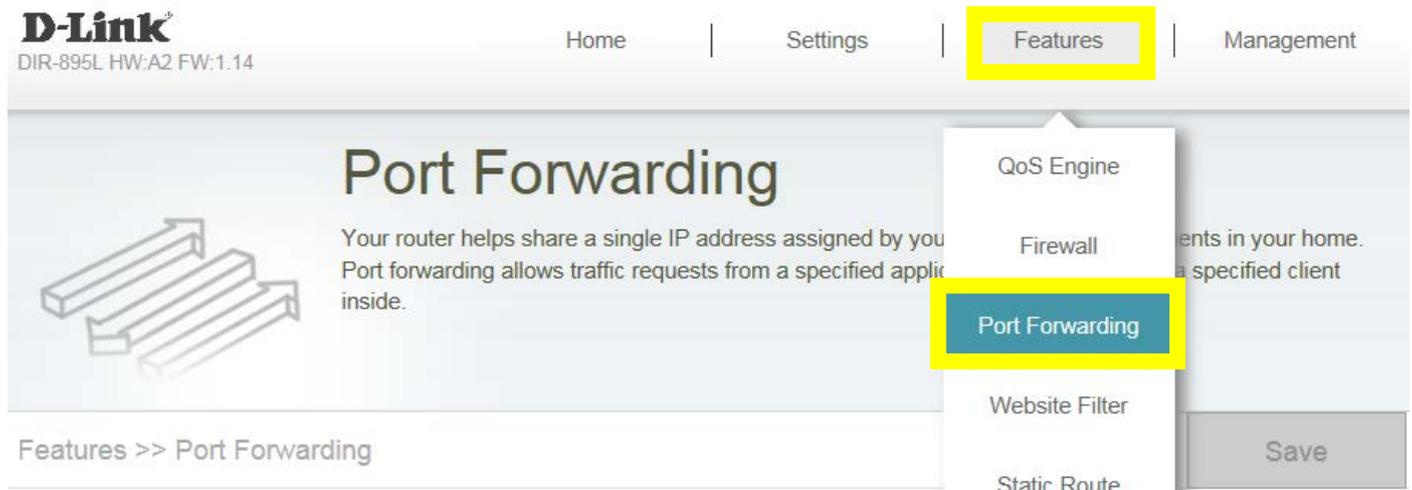
Add Rule

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**



D-Link
DIR-895L HW:A2 FW:1.14

Home | Settings | **Features** | Management

Port Forwarding

Your router helps share a single IP address assigned by your ISP to your router. Port forwarding allows traffic requests from a specified application on the Internet to reach a specified client inside your home.

Features >> Port Forwarding

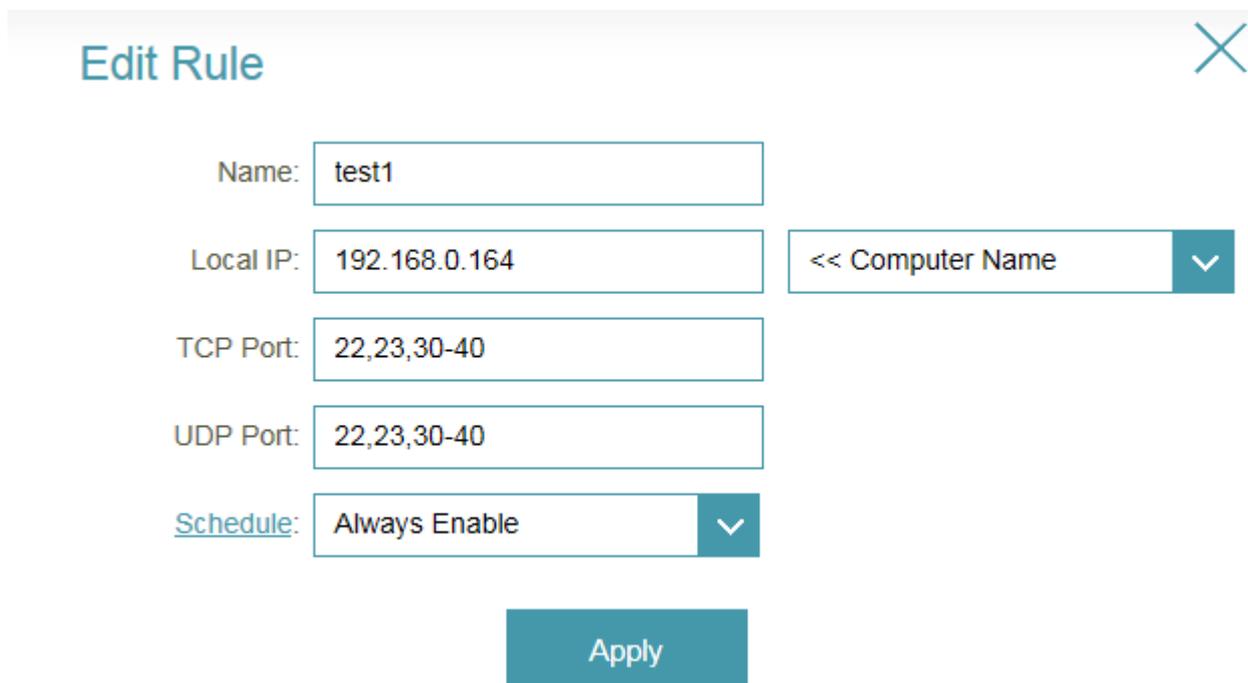
QoS Engine
Firewall
Port Forwarding
Website Filter
Static Route

Save

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)



Edit Rule

Name:

Local IP: << Computer Name

TCP Port:

UDP Port:

Schedule:

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



DIR-878 HW:A1 FW:1.00

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	192.168.0.164	22,23,30-40	22,23,30-40	Always Enable		

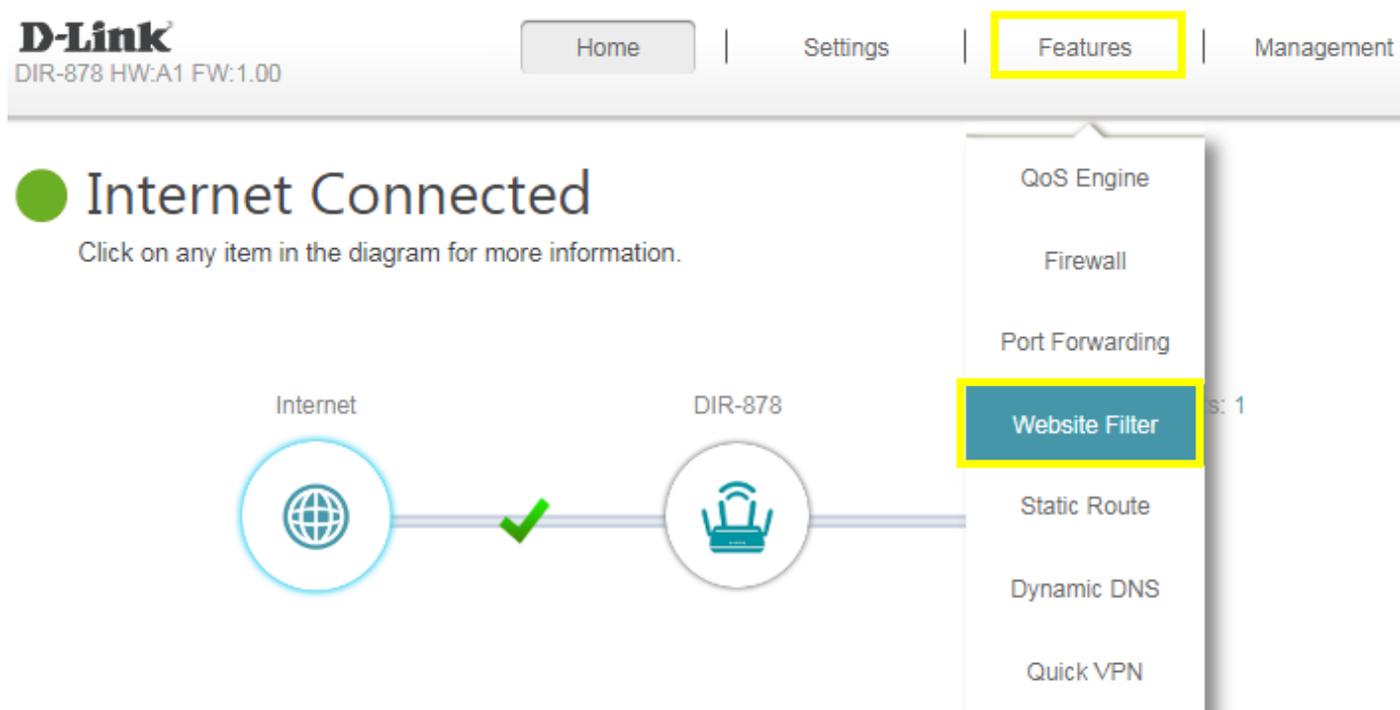
Add Rule

Remaining: 23

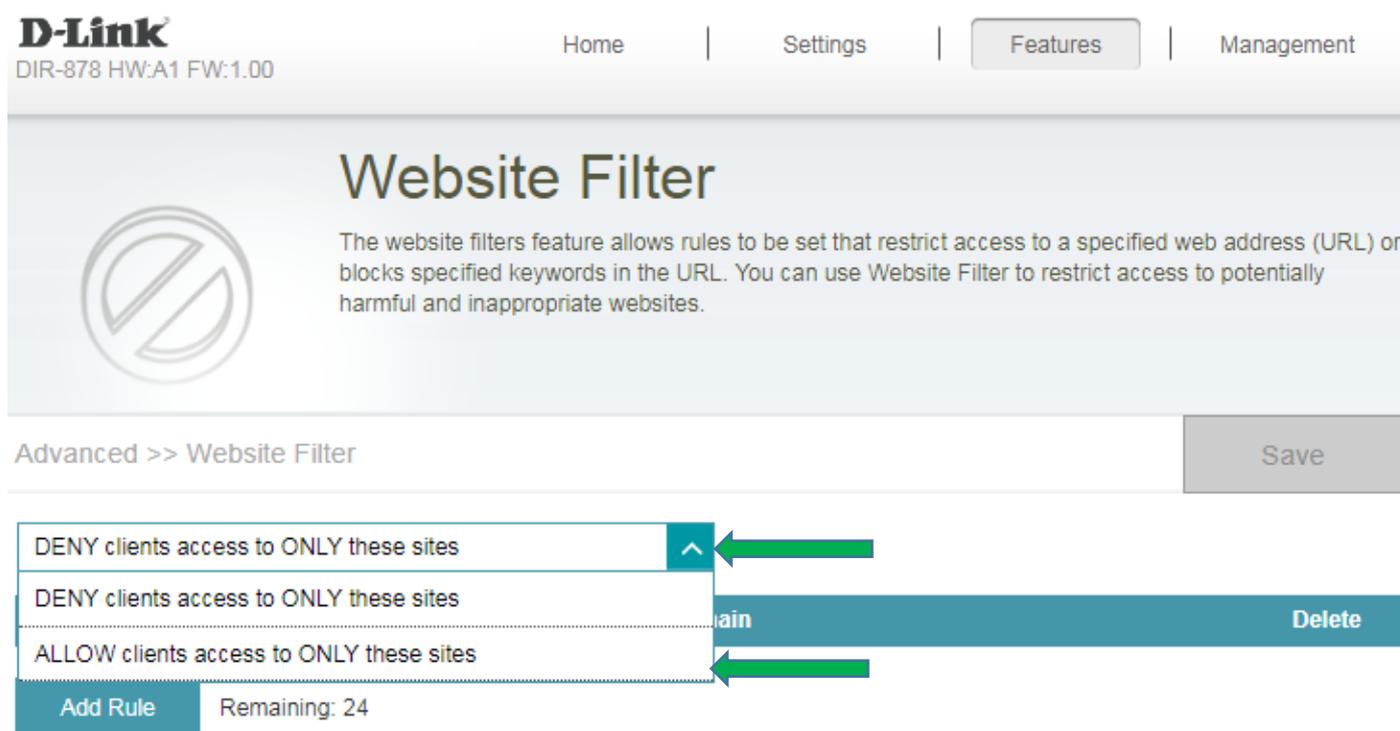
Q15: How do I set up website filter on my router?

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.



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**.

D-Link
DIR-878 HW:A1 FW:1.00

Home | Settings | Features | Management

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	Delete
www.facebook.com	

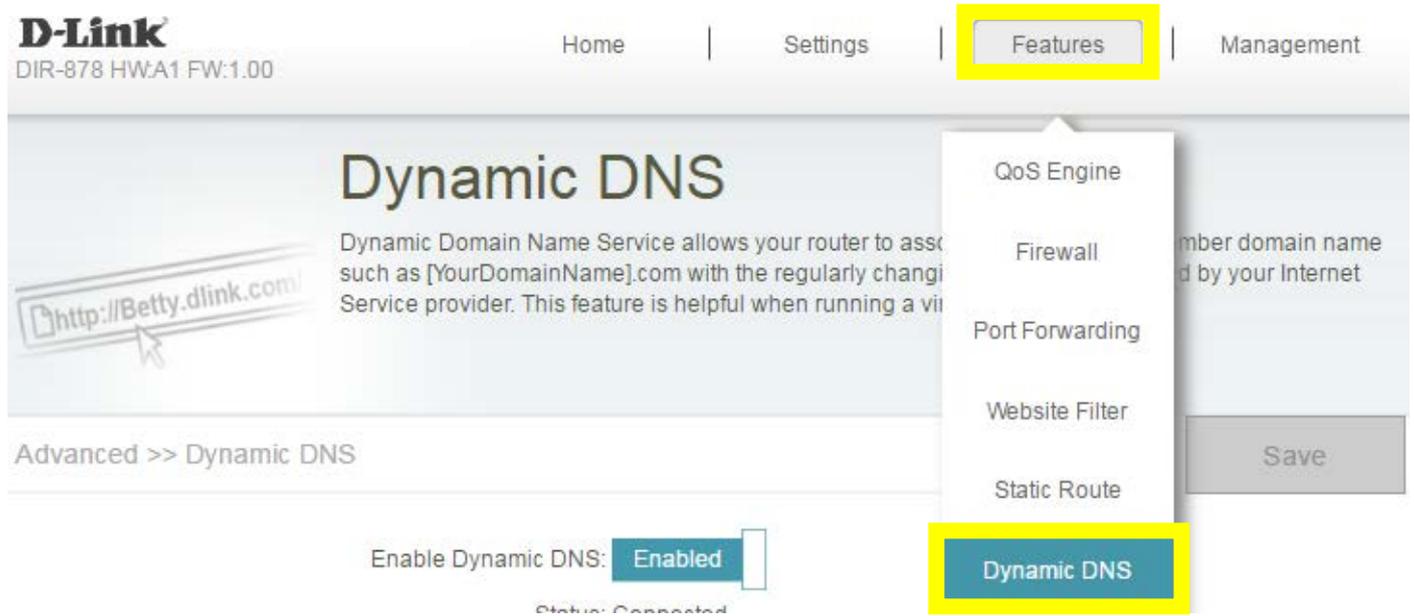
Add Rule Remaining: 23

Note: 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.

Q16: 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**



D-Link
DIR-978 HW:A1 FW:1.00

Home | Settings | **Features** | Management

Dynamic DNS

Dynamic Domain Name Service allows your router to associate a domain name with a public IP address. For example, you can use a domain name such as [YourDomainName].com with the regularly changing IP address of your Internet Service provider. This feature is helpful when running a virtual server.

Advanced >> Dynamic DNS

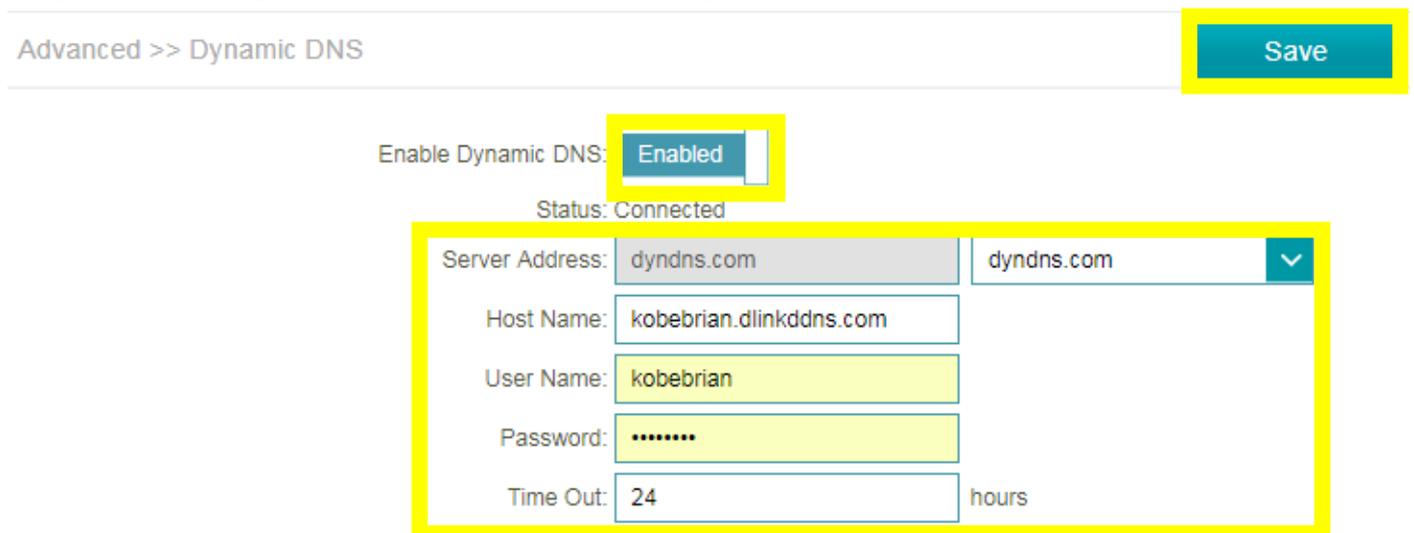
Enable Dynamic DNS: **Enabled**

Status: Connected

Dynamic DNS

Save

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



Advanced >> Dynamic DNS

Enable Dynamic DNS: **Enabled**

Status: Connected

Server Address: dyndns.com

Host Name: kobebrían.dlinkddns.com

User Name: kobebrían

Password:

Time Out: 24 hours

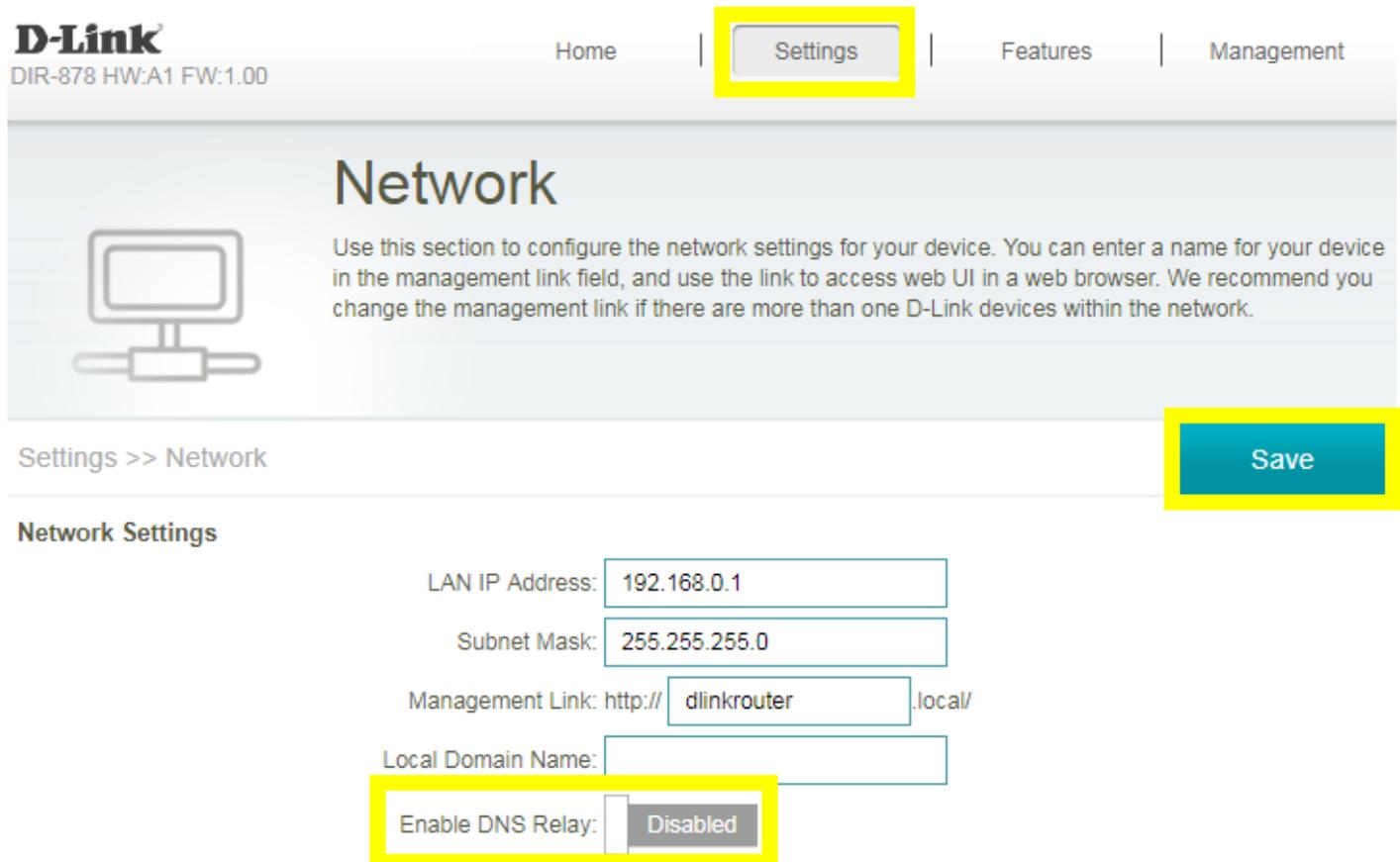
Save

Q17: 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 web interface for a DIR-878 router. The top navigation bar includes 'Home', 'Settings' (highlighted with a yellow box), 'Features', and 'Management'. The main heading is 'Network', with a sub-heading 'Network Settings'. The 'Enable DNS Relay' option is set to 'Disabled' and is highlighted with a yellow box. A 'Save' button is also highlighted with a yellow box. The 'Management Link' field is set to 'http://dlinkrouter.local/'.

D-Link
DIR-878 HW:A1 FW:1.00

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: **Disabled**

Q18: 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. At the same time, 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**

The screenshot shows the D-Link router's web interface. At the top, there is a navigation bar with the D-Link logo and the model number "DIR-878 HW:A1 FW:1.00". The navigation menu includes "Home", "Settings", "Features", and "Management". The "Features" menu item is highlighted with a yellow box. A dropdown menu is open under "Features", and the "Firewall" option is highlighted with a yellow box. The main content area is titled "Firewall Settings" and includes a description: "Your router's high-performance firewall feature continuously monitors network and connected devices from malicious Internet attacks, protecting your...". Below the title, there is a breadcrumb trail: "Advanced >> Firewall Settings >> Advanced". There is a "Save" button on the right and an "Enable DMZ" toggle set to "Disabled".

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

D-Link
DIR-878 HW:A1 FW:1.00

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
DIR-878 HW:A1 FW:1.00

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.

Q19: 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?](#)

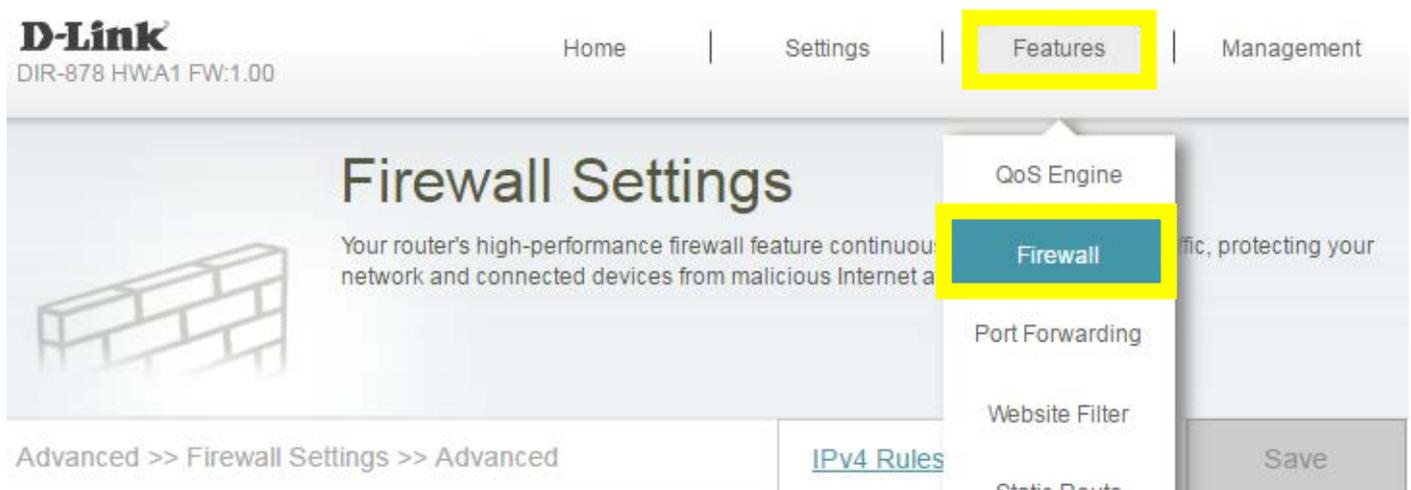
(2) Firmware upgrade process: [How to upgrade firmware for your router?](#)

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
DIR-878 HW:A1 FW:1.00

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

Q20: How do I configure DHCP reservation?

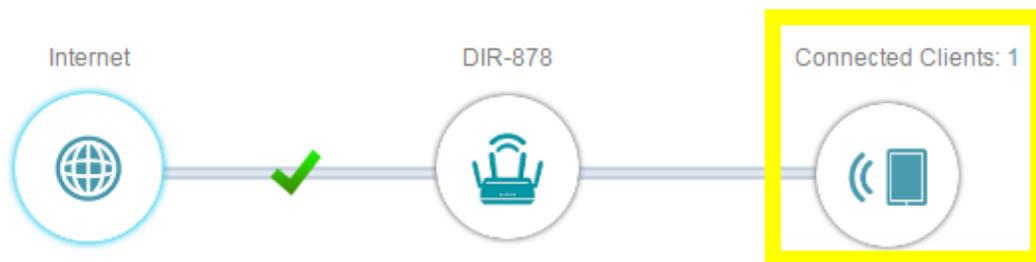
Please launch your browser and enter <http://dlinkrouter.local> or <http://192.168.0.1> into the address bar. Then login and follow the steps below:

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



Internet Connected

Click on any item in the diagram for more information.



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	192.168.0.101	
Parental Control: Disabled		
	08396NBWIN7	
Intel	192.168.0.104	
Parental Control: Disabled		

Step 3: Click **Reserve IP** to Enable, and fill in the reserved IP address, then click **Save**.

Edit Rule ✕

Name:

Vendor: Flextronics

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

IP Address: 192.168.0.101

Reserve IP: Remaining:24

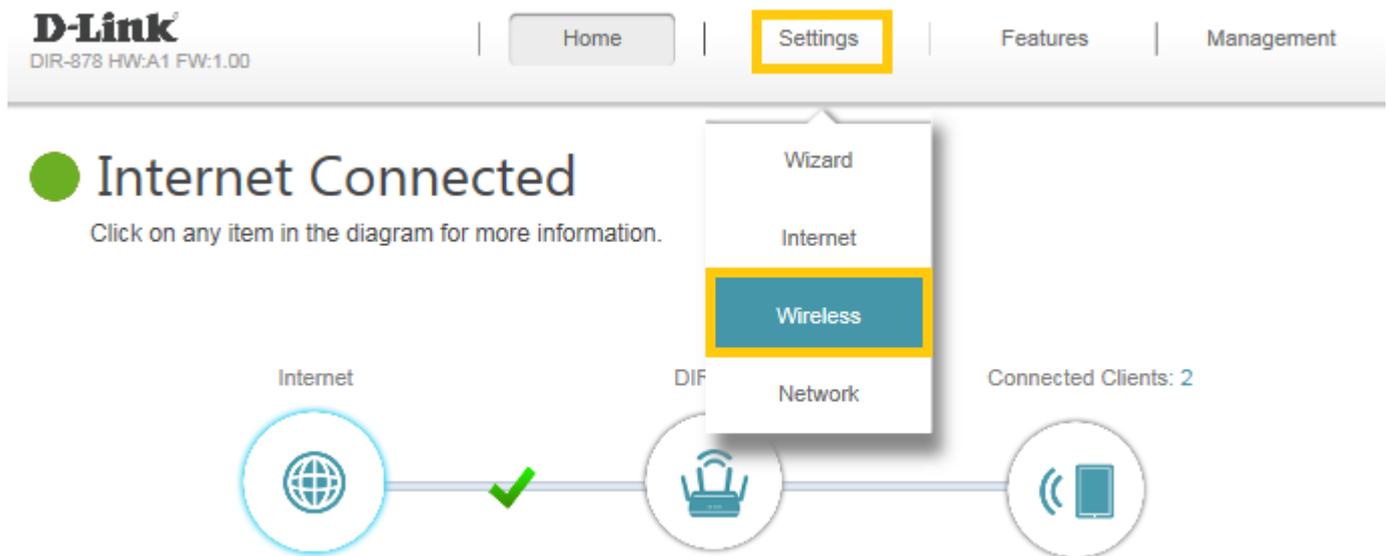
IP Address (Reserved):
It will take effect after reconnecting

Parental Control:

Q21: 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 2.4G/5G band:

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.



DIR-878 HW:A1 FW:1.00

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: Disabled

2.4GHz

Status: Enabled

Wi-Fi Name (SSID):

Password:

[Advanced Settings...](#)

5GHz

Status: Enabled

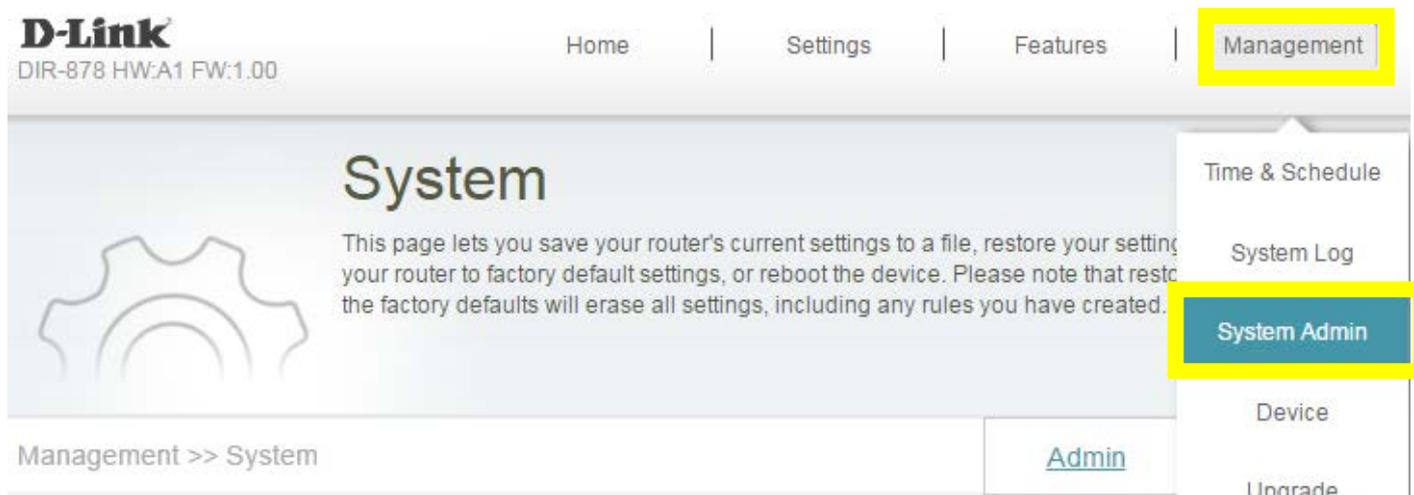
Wi-Fi Name (SSID):

Password:

Q22: How do I backup/restore the configuration on my router?

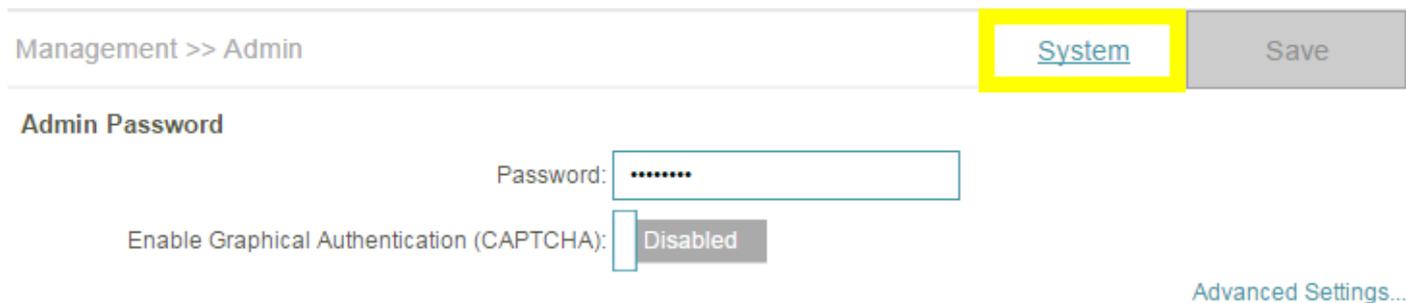
Please launch your browser and enter <http://dlinkrouter.local> or <http://192.168.0.1> into the address bar. Then login and follow the steps below:

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



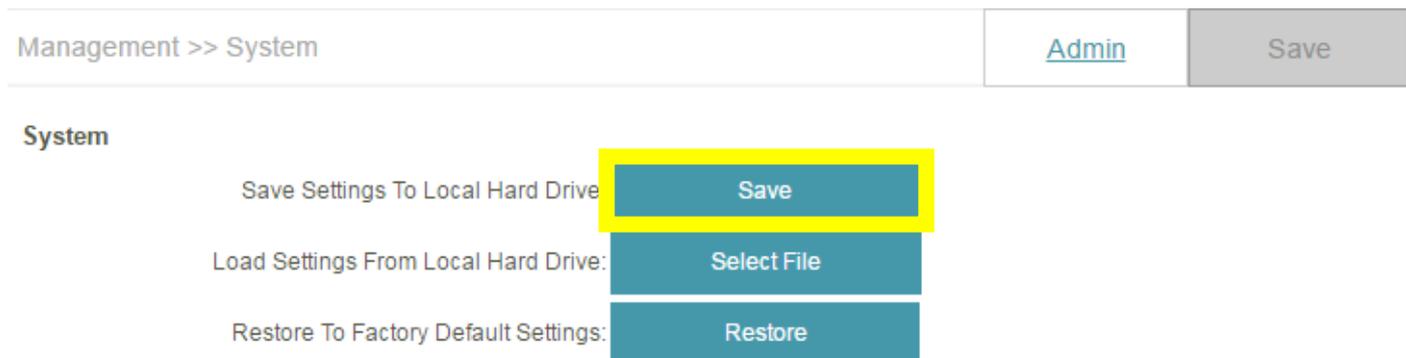
The screenshot shows the D-Link router management interface. At the top left, the D-Link logo and model information 'DIR-878 HW:A1 FW:1.00' are visible. The navigation menu includes 'Home', 'Settings', 'Features', and 'Management'. The 'Management' menu is highlighted with a yellow box. Below the navigation menu, the 'System' page is displayed, featuring a gear icon and a description: 'This page lets you save your router's current settings to a file, restore your settings, your router to factory default settings, or reboot the device. Please note that restoring the factory defaults will erase all settings, including any rules you have created.' A dropdown menu is open from the 'Management' menu, with 'System Admin' highlighted in a blue box. Other options in the dropdown include 'Time & Schedule', 'System Log', 'Device', and 'Upgrade'. At the bottom of the page, there is a breadcrumb trail 'Management >> System' and an 'Admin' button.

Step 2: Click **System**



The screenshot shows the 'System' page in the D-Link router management interface. The breadcrumb trail is 'Management >> Admin'. The 'System' button is highlighted with a yellow box. Below the breadcrumb trail, there is a section for 'Admin Password' with a password input field containing '.....'. Below the password field, there is a checkbox for 'Enable Graphical Authentication (CAPTCHA)' which is currently 'Disabled'. At the bottom right of the page, there is a link for 'Advanced Settings...'. At the bottom of the page, there is a breadcrumb trail 'Management >> System' and a 'Save' button.

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



The screenshot shows the 'System' page in the D-Link router management interface. The breadcrumb trail is 'Management >> System'. Below the breadcrumb trail, there is a section for 'System' with three options: 'Save Settings To Local Hard Drive' with a 'Save' button highlighted in a blue box, 'Load Settings From Local Hard Drive:' with a 'Select File' button, and 'Restore To Factory Default Settings:' with a 'Restore' button. At the bottom of the page, there is a breadcrumb trail 'Management >> System' and a 'Save' button.

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



系統

- 儲存到本機硬碟: 儲存
- 從本機硬碟載入設定: 選擇檔案
- 復原到出廠預設值設定: 回復



System

- Save Settings To Local Hard Drive: Save *configuration file you selected*
- Load Settings From Local Hard Drive: Select File **DIR882A1_FW100B07.bin**
- Restore: Restore
- Restore To Factory Default Settings: Restore

Q23: 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.

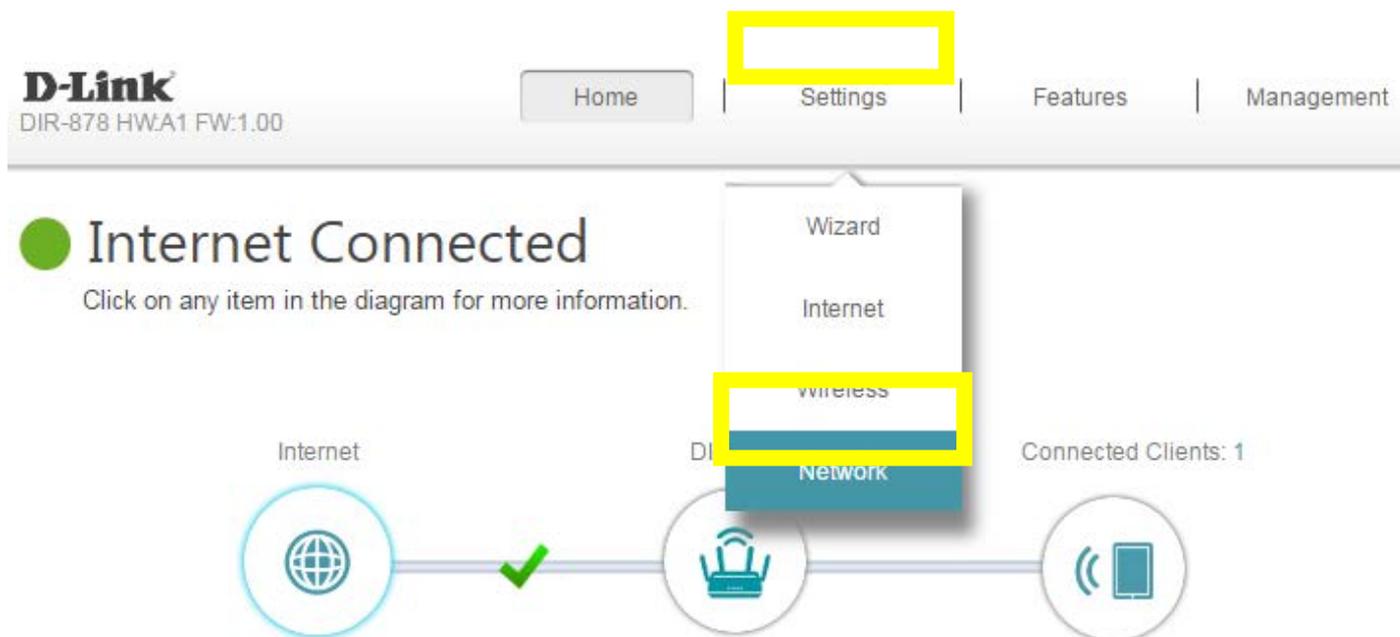
Note: When entering the MAC address, you **MUST** enter it in the following format, including colons, e.g. **12:34:56:78:91:01**

If you are certain all information is correct, please fill out this form: [DDNS Registration Form](#). You will receive an e-mail back from the dlinkddns team within 4 business days with instructions to properly register your device.

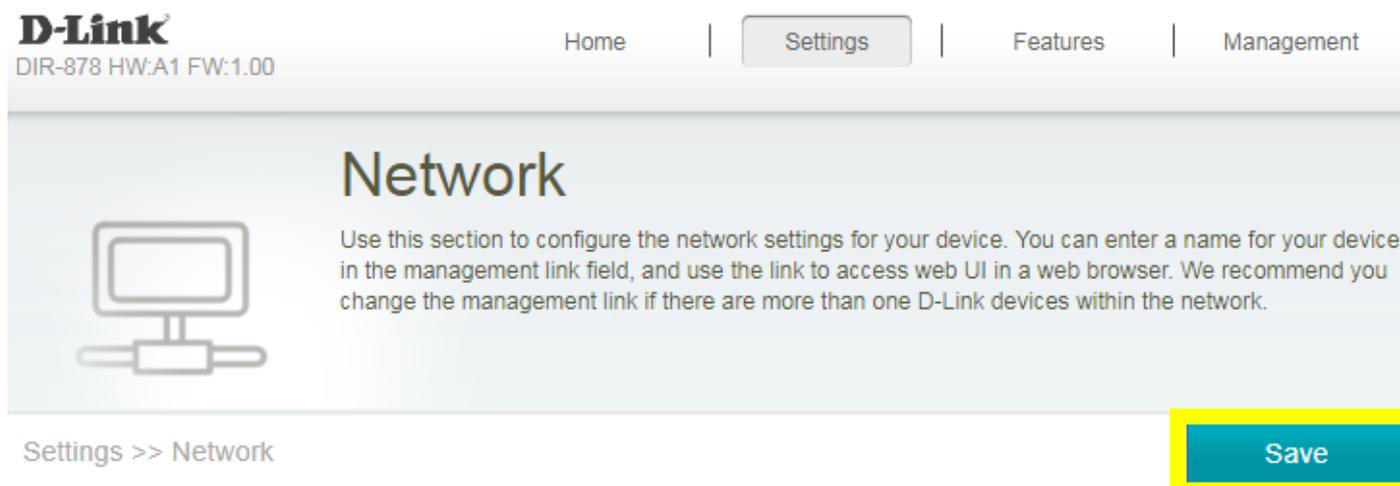
Q24: How do I change the router's IP address?

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**



Network Settings

Settings >> Network

LAN IP Address:

Subnet Mask:

Management Link: .local/

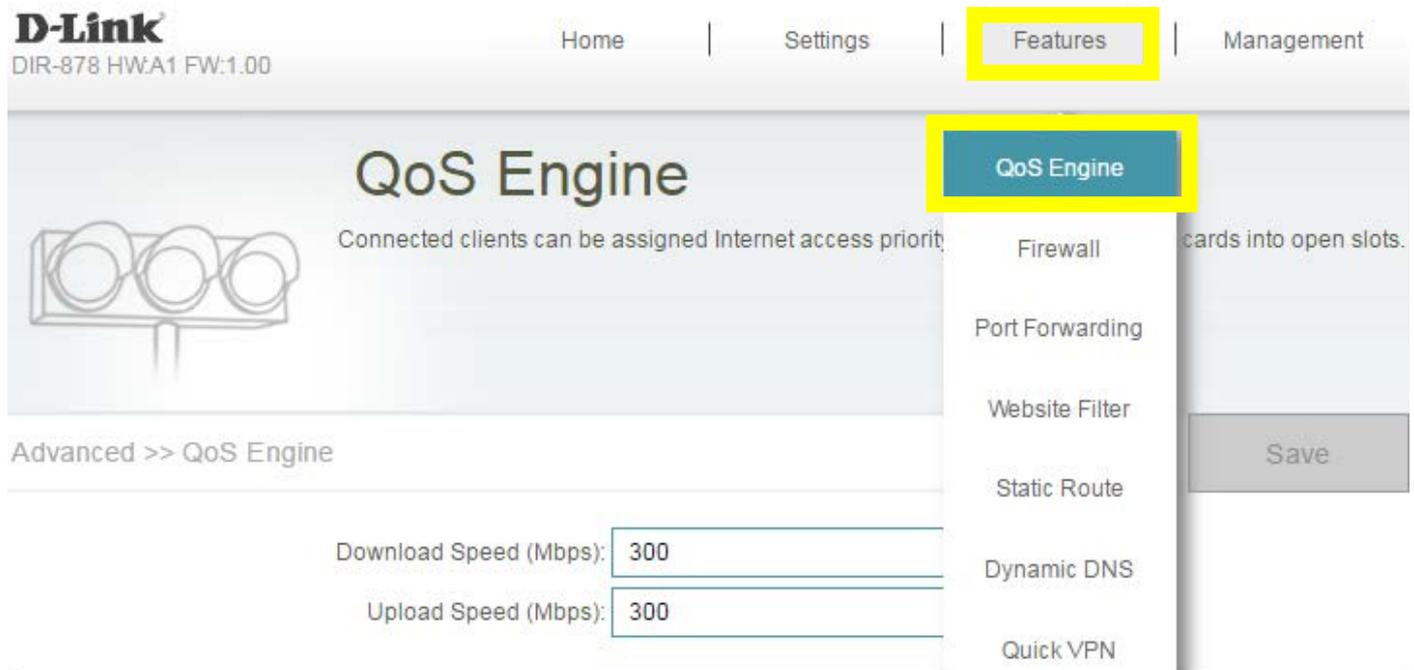
Local Domain Name:

Enable DNS Relay:

Q25: 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**



D-Link
DIR-878 HW:A1 FW:1.00

Home | Settings | **Features** | Management

QoS Engine

Connected clients can be assigned Internet access priority.

Advanced >> QoS Engine

Download Speed (Mbps):

Upload Speed (Mbps):

Save

- QoS Engine
- Firewall
- Port Forwarding
- Website Filter
- Static Route
- Dynamic DNS
- Quick VPN

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

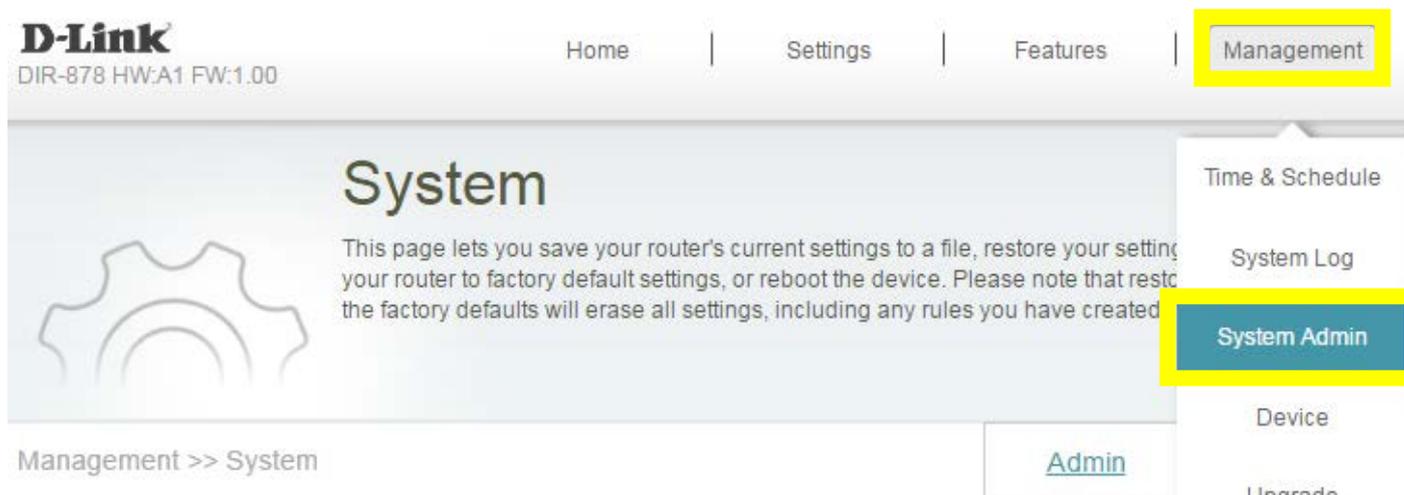


Step 3: Click **Save** to save the current configuration.

Q26: How do I enable remote management for my router?

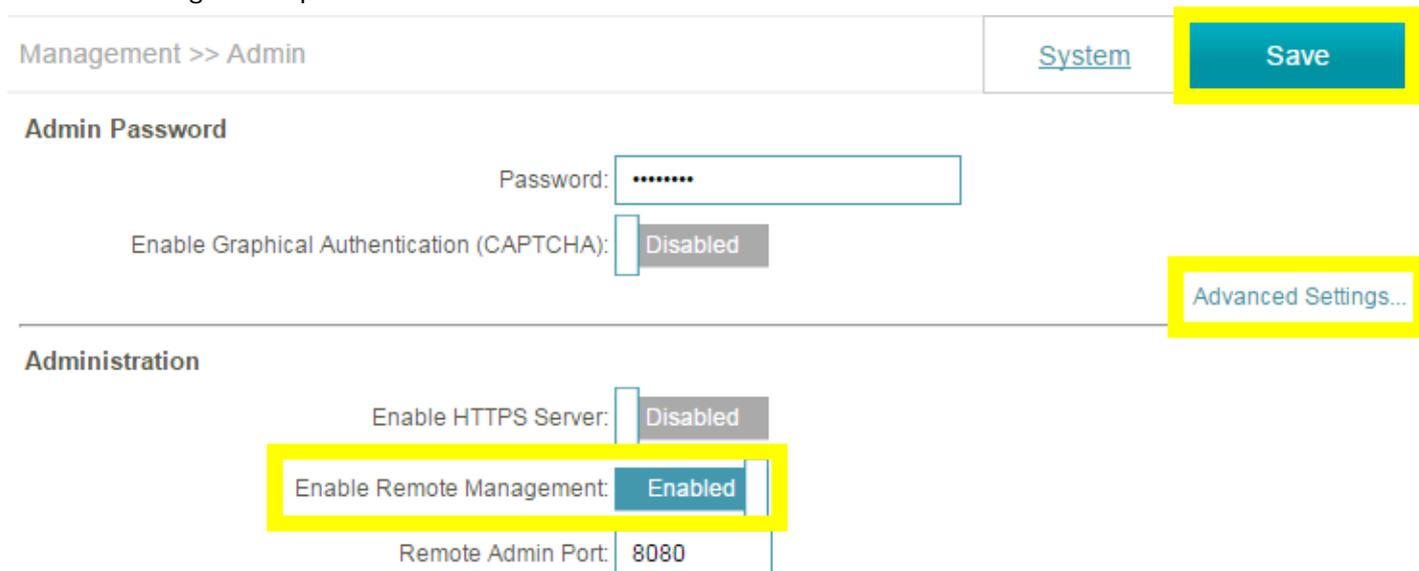
Please launch your browser and enter <http://dlinkrouter.local> or <http://192.168.0.1> into the address bar. Then login and follow the steps below:

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



The screenshot shows the D-Link router web interface. At the top left, the D-Link logo and model information "DIR-878 HW:A1 FW:1.00" are visible. The navigation menu includes "Home", "Settings", "Features", and "Management". The "Management" menu is highlighted with a yellow box. Below the navigation menu, the "System" page is displayed, featuring a gear icon and a description: "This page lets you save your router's current settings to a file, restore your settings, your router to factory default settings, or reboot the device. Please note that restoring the factory defaults will erase all settings, including any rules you have created." A dropdown menu is open from the "Management" menu, showing options: "Time & Schedule", "System Log", "System Admin" (highlighted with a yellow box), "Device", and "Upgrade". Below the "System" page, there is a breadcrumb "Management >> System" and a button labeled "Admin".

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



The screenshot shows the "Advanced Settings" page for the "System Admin" section. At the top, there is a breadcrumb "Management >> Admin" and a button labeled "System". A "Save" button is highlighted with a yellow box. Below the breadcrumb, the "Admin Password" section is visible, with a "Password:" field containing "*****" and an "Enable Graphical Authentication (CAPTCHA):" dropdown set to "Disabled". A button labeled "Advanced Settings..." is highlighted with a yellow box. Below this, the "Administration" section is shown, with "Enable HTTPS Server:" set to "Disabled" and "Enable Remote Management:" set to "Enabled" (highlighted with a yellow box). The "Remote Admin Port:" is set to "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.



Internet

Cable Status:	Connected	MAC Address:	80:26:89:5F:FE:F6
Connection Type:	Dynamic IP (DHCP)	IP Address:	172.17.2.74
Network Status:	Connected	Subnet Mask:	255.255.255.0
Connection Uptime:	0 Day 1 Hour 23 Min 35 Sec	Default Gateway:	172.17.2.254

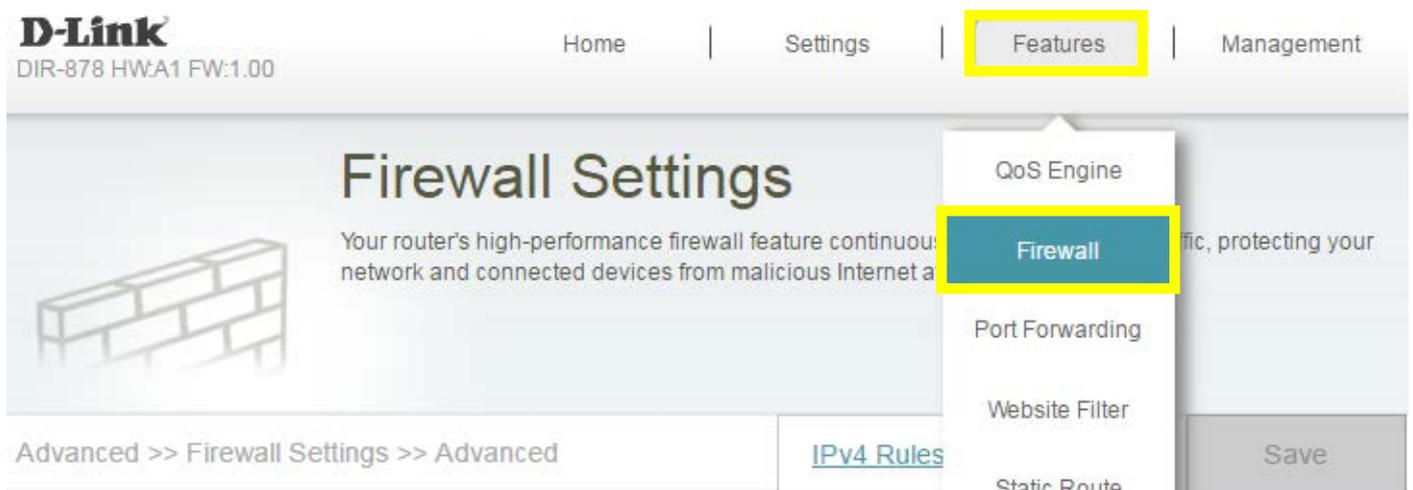
Q27: How do I enable DMZ on my router?

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**



D-Link
DIR-878 HWA1 FW:1.00

Home | Settings | **Features** | Management

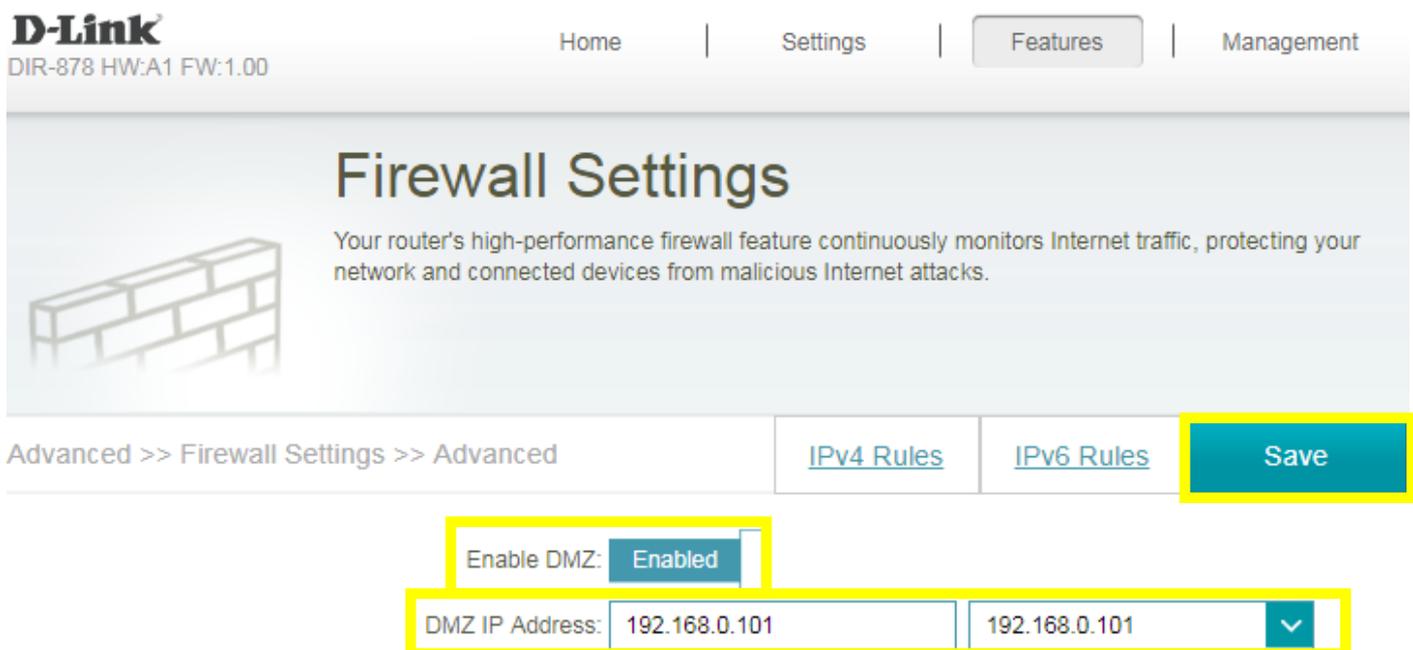
Firewall Settings

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](#) [Static Route](#) [Save](#)

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**.



D-Link
DIR-878 HW:A1 FW:1.00

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](#)

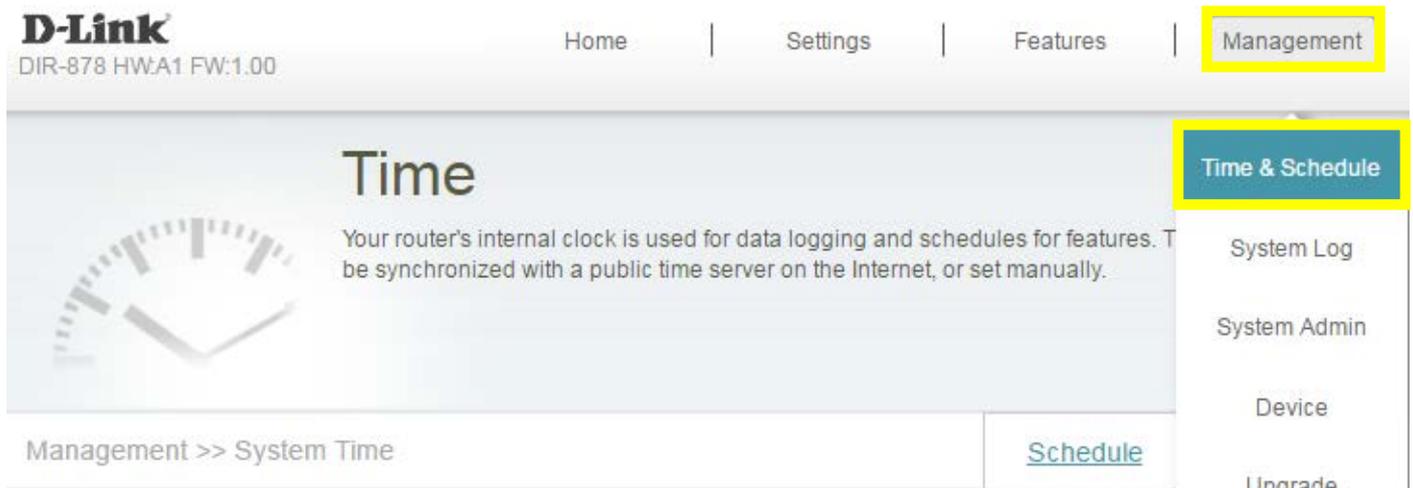
Enable DMZ: Enabled

DMZ IP Address:

Q28: 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**



D-Link
DIR-878 HWA1 FW:1.00

Home | Settings | Features | **Management**

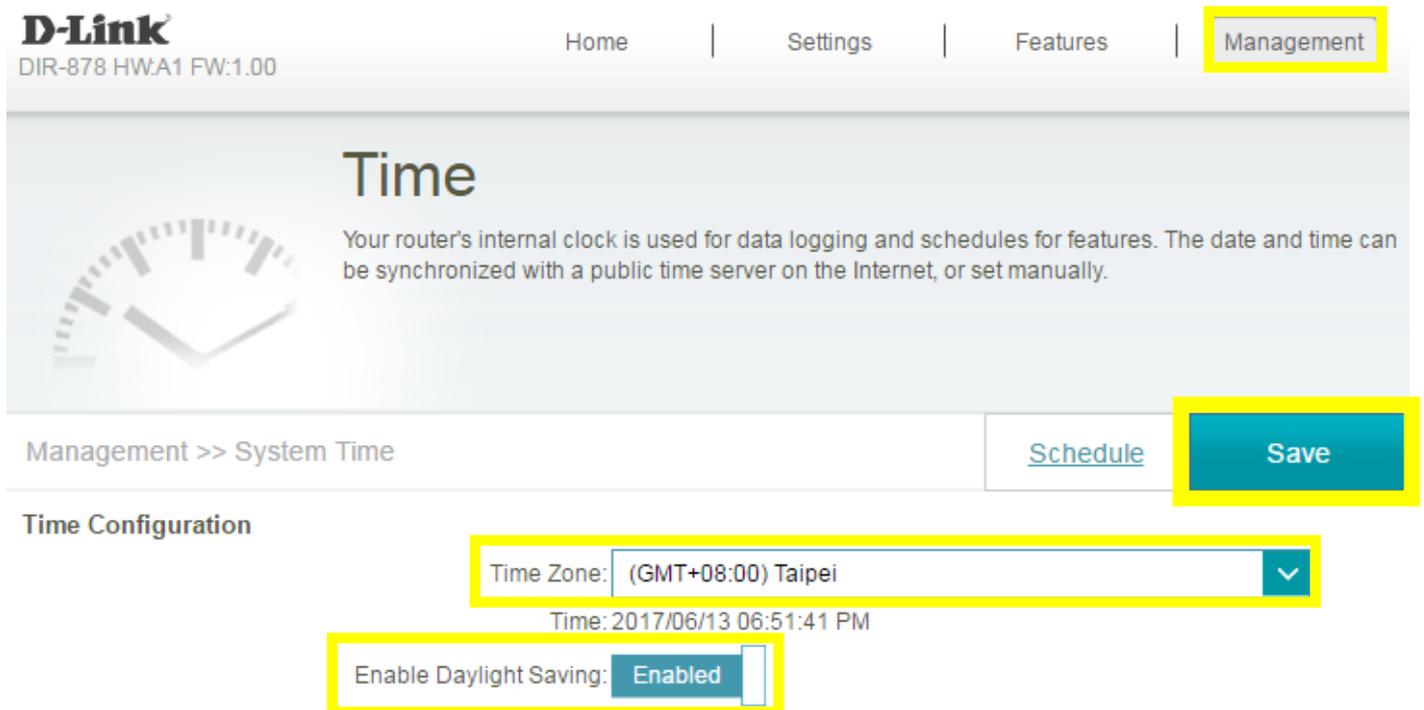
Time

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](#)

- Time & Schedule**
- System Log
- System Admin
- Device
- Upgrade

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
DIR-878 HWA1 FW:1.00

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: 2017/06/13 06:51:41 PM

Enable Daylight Saving: **Enabled**

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: 2017/06/13 06:55:36 PM

Enable Daylight Saving: Disabled

Automatic Time Configuration

Update Time Using an NTP Server: Disabled

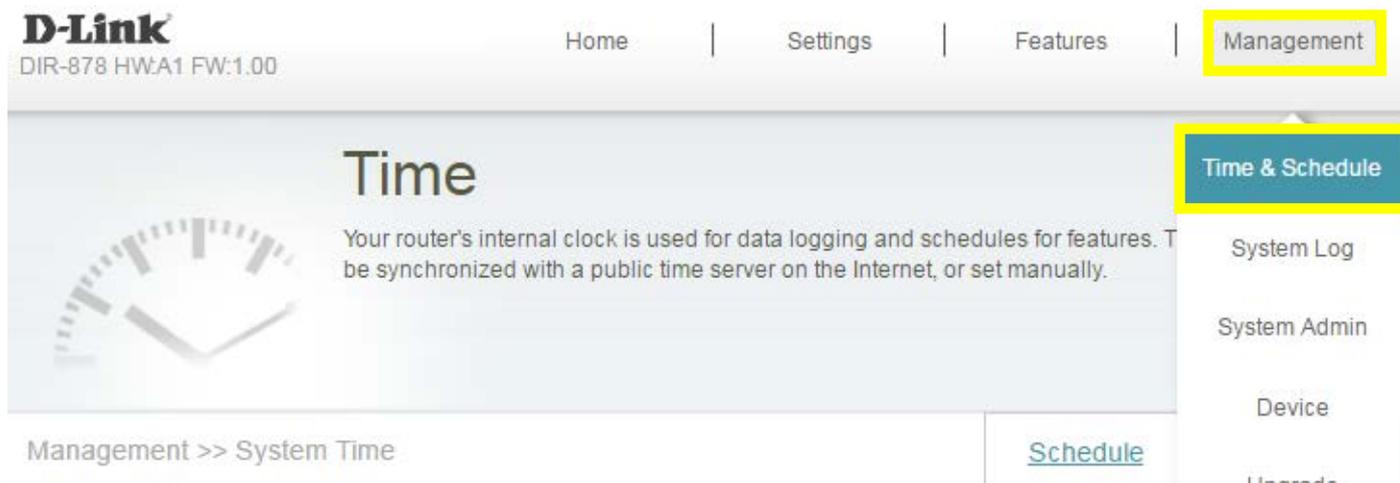
Manual Time Configuration

Date: 2017 06 13 (Year/ Month/ Day)
Time: 18 55 (Hour/ Minute)

Q29: 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**



D-Link
DIR-878 HW:A1 FW:1.00

Home | Settings | Features | **Management**

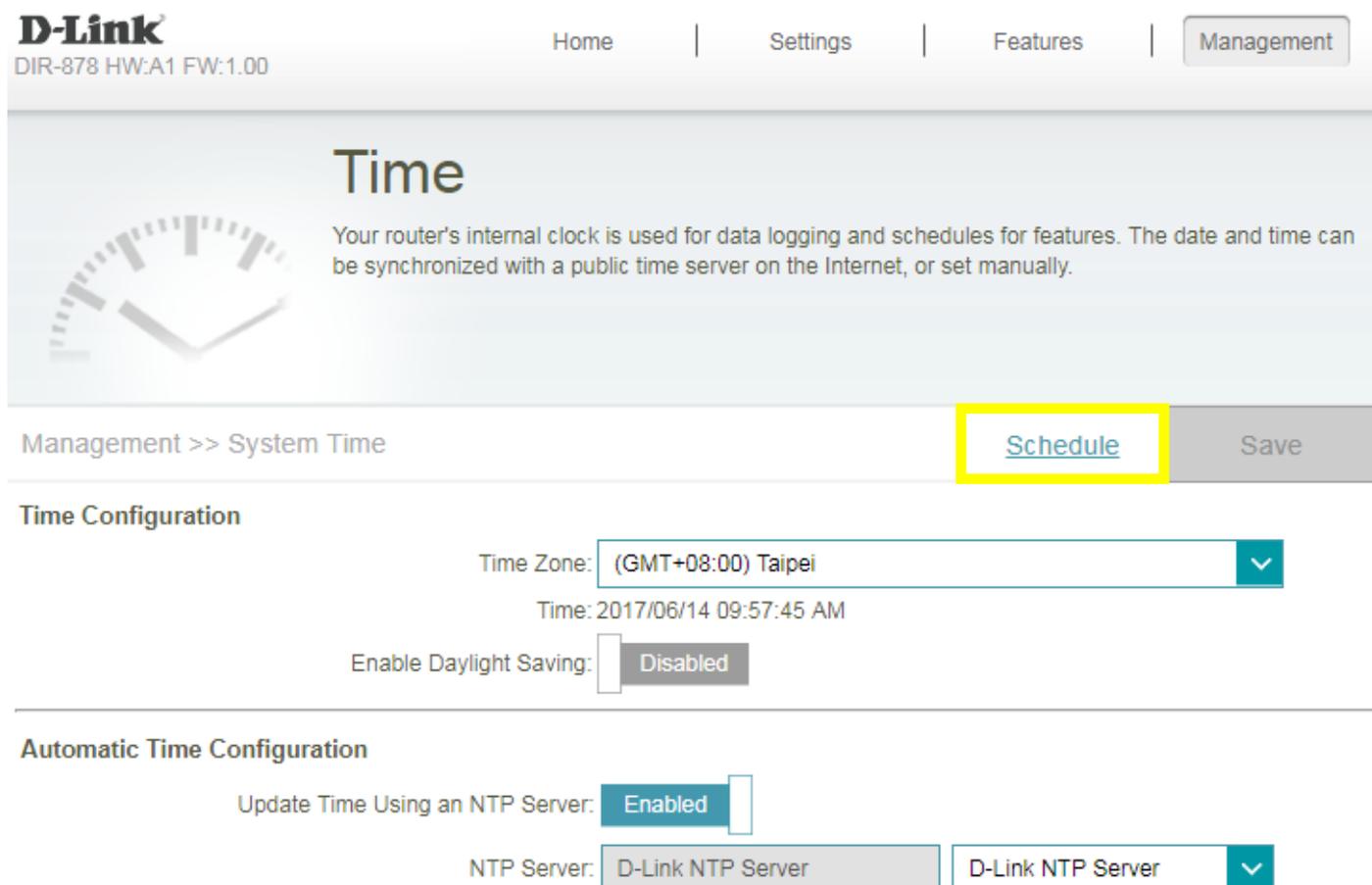
Time

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](#)

- Time & Schedule**
- System Log
- System Admin
- Device
- Upgrade

Step 2: Click **Schedule**:



D-Link
DIR-878 HW:A1 FW:1.00

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: 2017/06/14 09:57:45 AM

Enable Daylight Saving: Disabled

Automatic Time Configuration

Update Time Using an NTP Server: Enabled

NTP Server: D-Link NTP Server

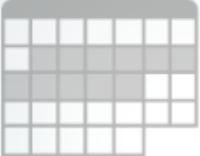
Step 3: Click **Add Rule:**

D-Link
DIR-878 HW:A1 FW:1.00

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: ✕

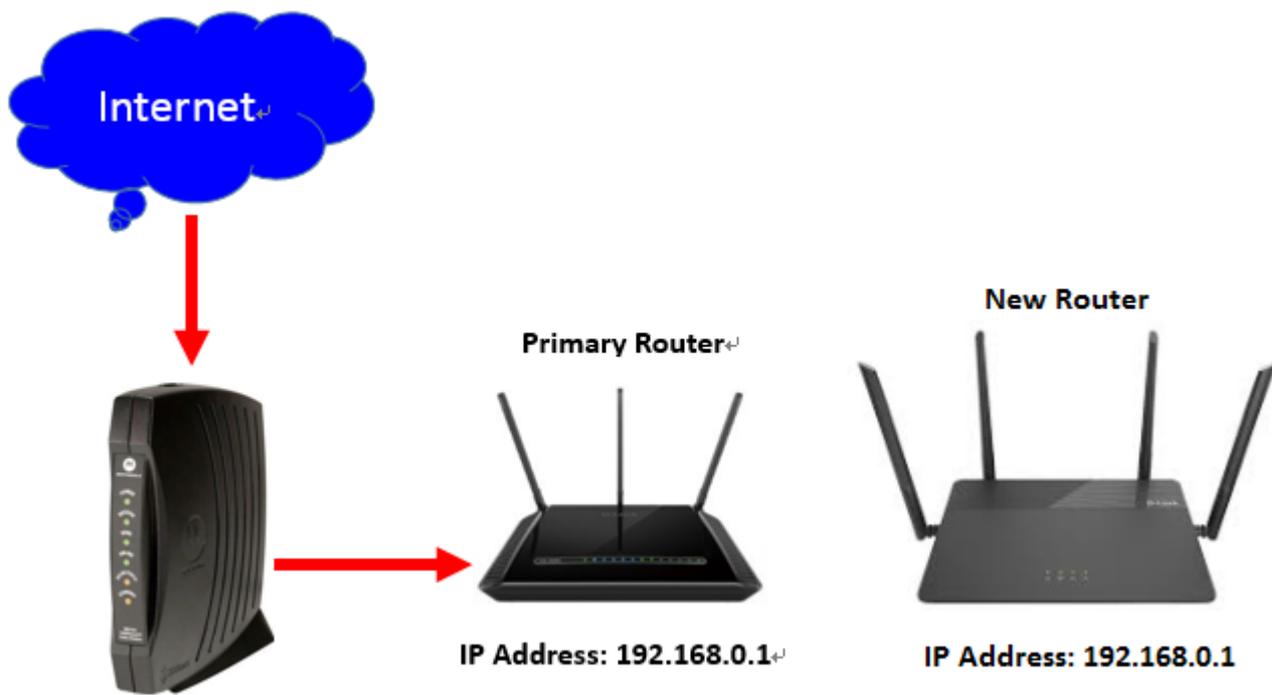
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Mon									8:00 - 19:00										✕					
Tue									8:00 - 19:00										✕					
Wed									8:00 - 19:00										✕					
Thu									8:00 - 19:00										✕					
Fri									8:00 - 19:00										✕					
Sat									8:00 - 19:00									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

Apply

Q30: 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)



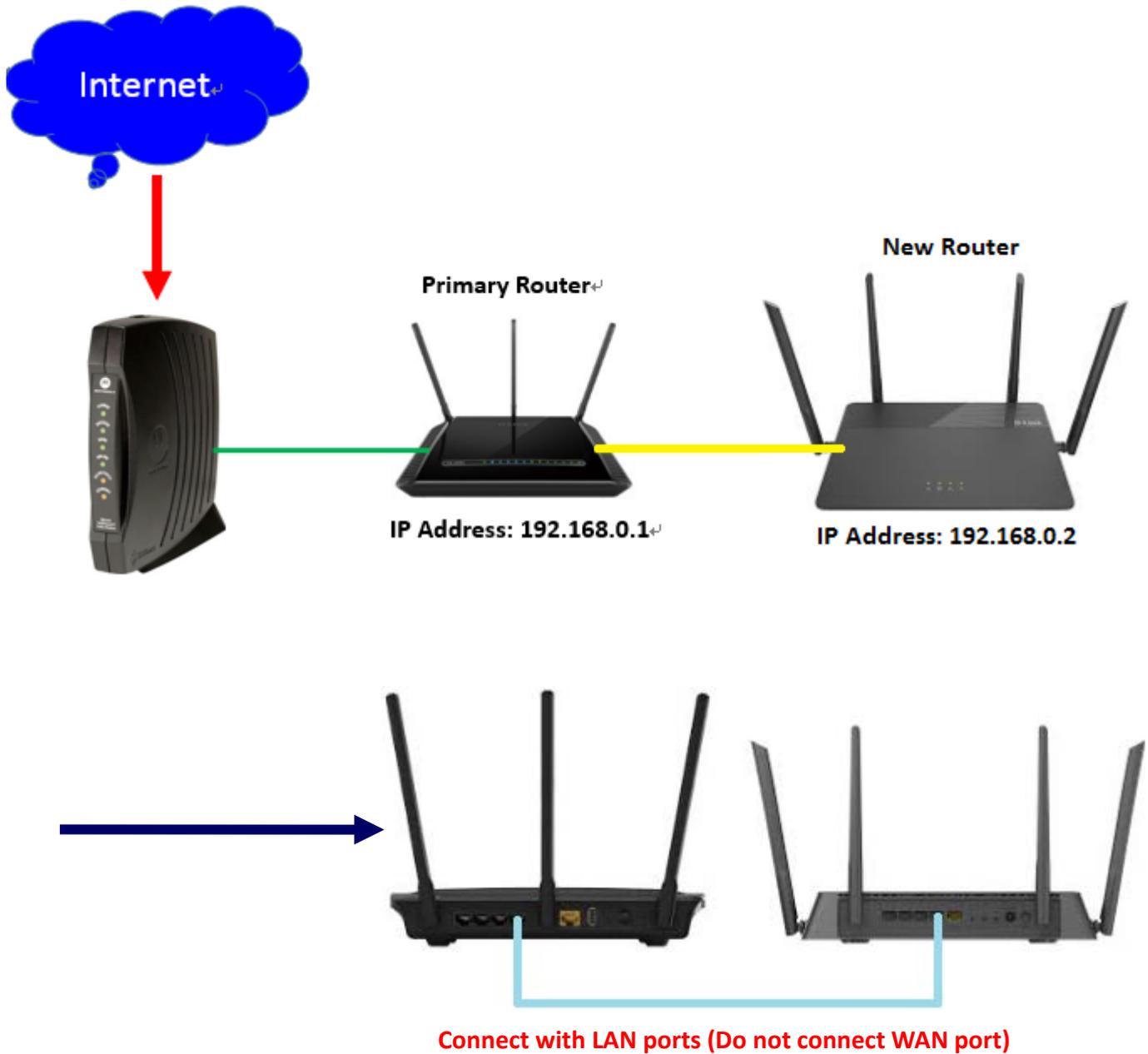
Note: DO NOT Connect the routers together until these settings have been changed.

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 shows the D-Link router's web interface. At the top left, the logo 'D-Link' and model 'DIR-878 HW:A1 FW:1.00' are visible. The navigation menu includes 'Home', 'Settings' (highlighted in yellow), 'Features', and 'Management'. The main content area is titled 'Network' and contains a description: 'Use this section to configure the network settings, including the management link field, and use the advanced settings to change the management link if there is a need to do so. You can enter a name for your device in the management link field in a web browser. We recommend you use the same name for all link devices within the network.' A dropdown menu is open, showing options: 'Wizard', 'Internet', 'Wireless', and 'Network' (highlighted in yellow). A red arrow points from the 'Network' option in the dropdown to the 'Network' link in the breadcrumb 'Settings >> Network'. Below the breadcrumb is a 'Save' button (highlighted in yellow). The 'Network Settings' section includes: 'LAN IP Address: 192.168.0.2' (highlighted in yellow, with a red arrow pointing to it), 'Subnet Mask: 255.255.255.0', 'Management Link: http:// dlinkrouter .local/' (with 'dlinkrouter' in a text box), 'Local Domain Name:' (empty text box), and 'Enable DNS Relay: Enabled' (checkbox checked). An 'Advanced Settings...' link is at the bottom right. The 'DHCP Server' section includes: 'Status: Disabled' (highlighted in yellow, with a red arrow pointing to it), 'DHCP IP Address Range: 192.168.0. 100 to 192.168.0. 199' (with '100' and '199' in text boxes), 'DHCP Lease Time: 10080 minutes' (with '10080' in a text box), and 'Always Broadcast: Disabled' (checkbox checked, with '(compatibility for some DHCP Clients)' below it).

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>.

Q31: 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.