

The logo for ACT, featuring the letters 'ACT' in a bold, red, sans-serif font with a white outline, positioned above a large, light pink circular arrow pointing to the left.

Configuring a D-Link Router

DIR-816 Basic Configuration Steps

Configuring Your Router

STEP 1 (a): Connect Your PC to the Router

- Unbox the router and power up the router.
- Connect the Act internet cable to the WAN/Internet port(different coloured port) of the router.
- An extra cable will be available with the router, take LAN cable connect one end to the LAN port(1-4) of the router(any one port) and one end to the PC or Laptop.
- In the system press  key & R key together  +  to open Run dialog box.
- Type ipconfig on the command prompt(Black screen) . The default gateway of the LAN or Ethernet adapter will be the Router address. (Ex:192.168.1.1)

```
C:\Users\USER>ipconfig
Windows IP Configuration

Wireless LAN adapter Wireless Network Connection:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . : ATRIA

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix . :
    IPv4 Address. . . . . : 192.168.1.101
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.1.1
```



STEP 1 (b): Connect Your Mobile

- Switch on the router and connect ACT internet cable to the WAN/Internet port of the router
- Go to setting in the Mobile, turn on Wi-Fi and wait until the mobile detects router name press the router name to connect.
- If the router is already configured and the Wi-Fi password is known then go to settings in the Mobile
- Under “Wireless and Networks”, press Wi-Fi make sure "Wi-Fi" is turned on.
- Wait until the mobile detects router name press the router name if prompted enter the Wi-Fi password and press Connect.

NOTE

- Every Router Configuration has two parts
 - Configuring the Internet Part, where we tell the Router how to connect to the internet.
 - Configuring the Wi-Fi Part, where we decide the name and password with which we connect to the Router
- Internet Configuration shown here will guide to Configure the Router in PPPoE.
 - This will enable you to browse internet directly, every time you connect to the router. No need to login again and again.
- Wi-Fi Configuration has also been given, in order to ease the process of you connecting to the Router
 - SSID and Password Creation have been explained\
 - Few high end routers have two bands to work on – 2.4 GHz and 5 GHz
 - 2.4 GHz band provides higher range, but lesser speed.
 - 5 GHz band provides lower range, but higher speed.

STEP 2: Logging into the Router

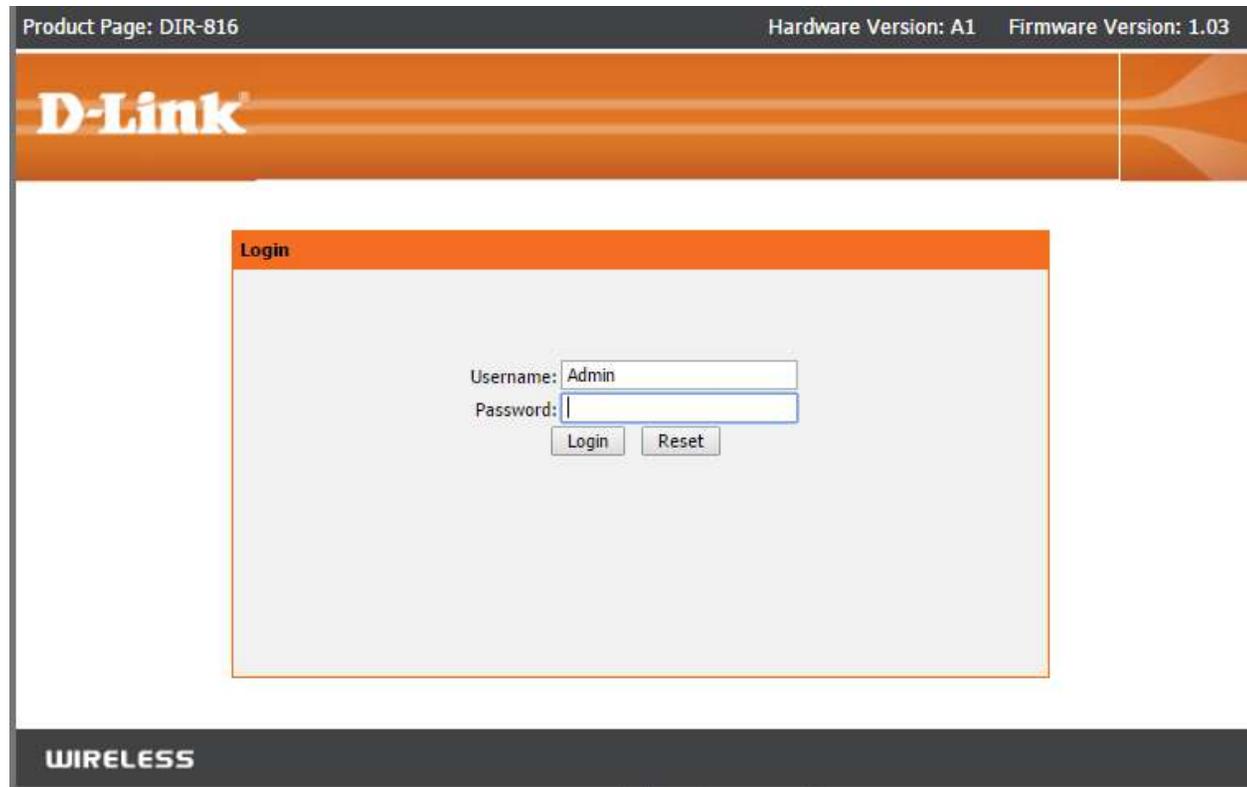
- Open a browser → Enter the below IP Address in the Address Bar. A login page appears. The usual usernames and passwords are given in the table below.

Router Name	IP Address	Username	Password
Cisco or Linksys	192.168.1.1	admin	admin
D-Link	192.168.0.1	admin	(blank)
TP-Link	192.168.0.1	admin	admin
Netgear	192.168.1.1	admin	password
Belkin	192.168.2.1	Click on Login in Home	(blank)
Tenda	192.168.0.1	admin	admin
i-Ball Baton	192.168.1.1	admin	admin
Digisol	192.168.2.1	admin	1234 or admin
Asus	192.168.1.1	admin	admin

- If all the above credentials do not work, please check the back of the router where the username and password will be mentioned.

STEP 2: Logging into the Router

The username is “Admin” and no password



The screenshot shows the web interface of a D-Link router. At the top, it displays "Product Page: DIR-816", "Hardware Version: A1", and "Firmware Version: 1.03". The D-Link logo is prominently featured in the header. Below the logo is a "Login" section with two input fields: "Username:" containing the text "Admin" and "Password:" which is empty. Below these fields are two buttons: "Login" and "Reset". The word "WIRELESS" is visible in the bottom left corner of the interface.

Product Page: DIR-816 Hardware Version: A1 Firmware Version: 1.03

D-Link

Login

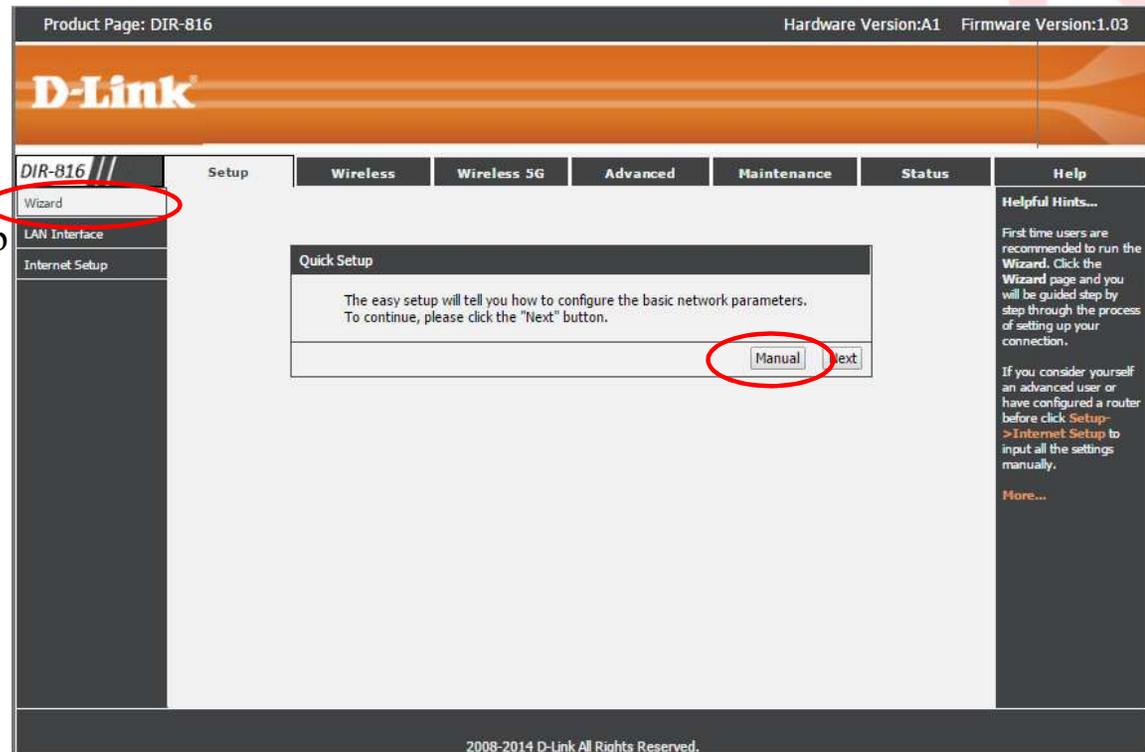
Username: Admin
Password:

Login Reset

WIRELESS

STEP 3: Internet Connectivity – PPPoE Configuration

Under setup > wizard > select manual setup



Product Page: DIR-816 Hardware Version:A1 Firmware Version:1.03

D-Link

DIR-816 // Setup Wireless Wireless 5G Advanced Maintenance Status Help

Wizard

LAN Interface

Internet Setup

Quick Setup

The easy setup will tell you how to configure the basic network parameters. To continue, please click the "Next" button.

Manual Next

Helpful Hints...

First time users are recommended to run the Wizard. Click the Wizard page and you will be guided step by step through the process of setting up your connection.

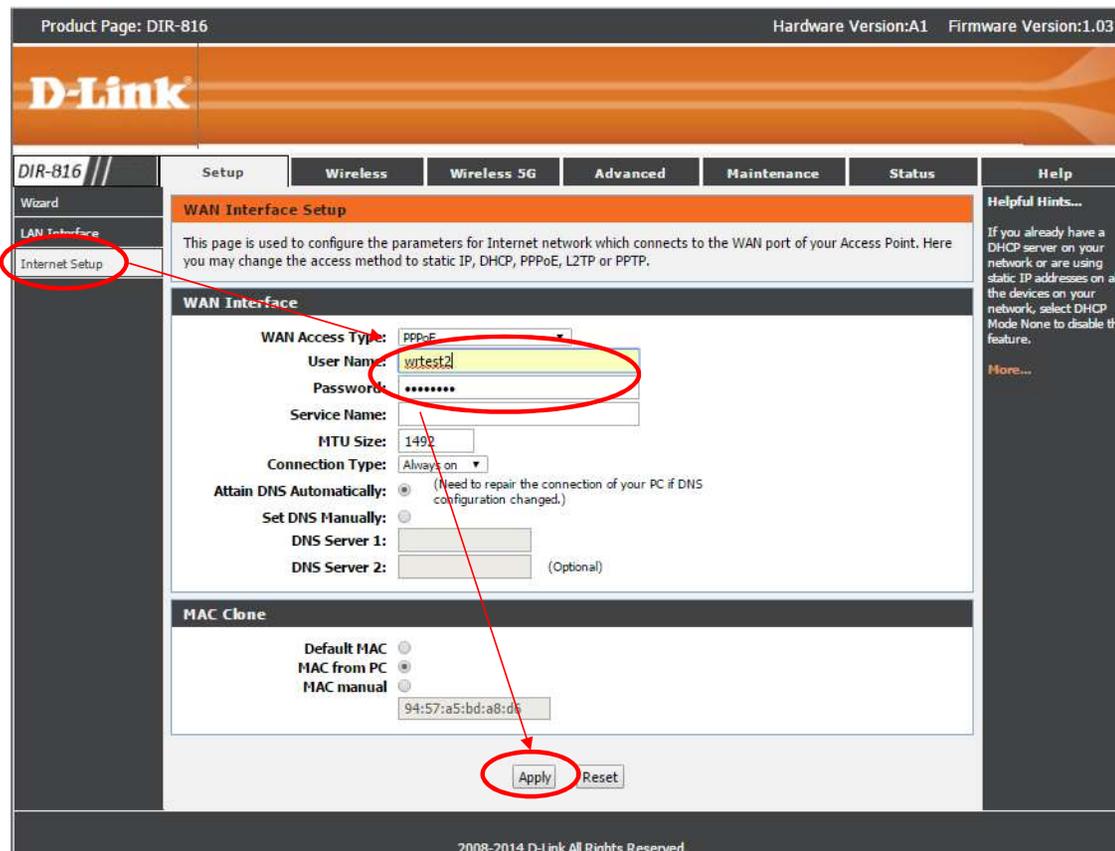
If you consider yourself an advanced user or have configured a router before click **Setup** -> **Internet Setup** to input all the settings manually.

[More...](#)

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STEP 3: Internet Connectivity – PPPoE Configuration

Setup > Internet setup > WAN interface > WAN access type “PPPoE” > Enter the username provided by ACT > password provided by ACT > Apply



Product Page: DIR-816 Hardware Version:A1 Firmware Version:1.03

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Wizard

LAN Interface

Internet Setup

WAN Interface Setup

This page is used to configure the parameters for Internet network which connects to the WAN port of your Access Point. Here you may change the access method to static IP, DHCP, PPPoE, L2TP or PPTP.

WAN Interface

WAN Access Type: PPPoE

User Name: wrttest2

Password: *****

Service Name:

MTU Size: 1492

Connection Type: Always on

Attain DNS Automatically: (Need to repair the connection of your PC if DNS configuration changed.)

Set DNS Manually:

DNS Server 1:

DNS Server 2: (Optional)

MAC Clone

Default MAC

MAC from PC

MAC manual

94:57:a5:bd:a8:d5

Apply Reset

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STEP 4(a): Wi-Fi Connectivity – Router SSID/Password Configuration 2.4 GHz Band

- Under wireless > wireless basics > in “Name (SSID)” type any name you want to provide to the router
- In preshared key enter the desired password
- Click apply

DIR-816	Setup	Wireless	Wireless 5G	Advanced	Maintenance	Status	Help
Wireless Basics	<h3>Wireless Basics</h3> <p>This page is used to configure the parameters for wireless LAN clients which may connect to your Access Point. Here you may change wireless encryption settings as well as wireless network parameters.</p>						<p>Helpful Hints...</p> <p>NOTE: To ensure proper agency compliance and compatibility between similar products in your area the operating channel and region must be set correctly.</p> <p>Placement of the Router to Optimize Wireless Connectivity</p> <p>The operating distance or range of your wireless connection can vary significantly based on the physical placement of the router. For best results place your router:</p> <ul style="list-style-type: none"> • Near the center of the area in which your PCs will operate.
WPS	<h3>Wireless Network</h3> <p> <input checked="" type="checkbox"/> Enable SSID Broadcast: <input type="checkbox"/> Enable Wireless Isolation: Name(SSID) : <input type="text" value="D-Link_DIR-816"/> Mode : 802.11n Channel : 1 Current Channel:1 Band Width : Auto 20/40M </p>						
Wireless Advanced	<h3>Security Options</h3> <p>Security Options : WPA2-PSK(AES)</p>						
Wireless Repeater	<h3>Security Options(WPA2-PSK)</h3> <p>Pre-Shared Key: <input type="text" value="password"/> (8-63 characters or 64 hex digits)</p> <p> <input type="button" value="Apply"/> <input type="button" value="Cancel"/> </p>						

STEP 4(b): Wi-Fi Connectivity – Router SSID/Password Configuration 5 GHz Band

- Under wireless 5G > wireless basics > in “Name (SSID)” type any name you want to provide to the router
- In preshared key enter the desired password
- Click apply

DIR-816

Setup | Wireless | **Wireless 5G** | Advanced | Maintenance | Status | Help

Wireless Basics

This page is used to configure the parameters for wireless LAN clients which may connect to your Access Point. Here you may change wireless encryption settings as well as wireless network parameters.

Wireless Network

Enable SSID Broadcast:
 Enable Wireless Isolation:
 Name(SSID) : D-Link_DIR-816_5G
 Mode : 802.11a/n/ac
 Channel: Auto Current Channel:36
 Band Width : Auto 20/40M/80M

Security Options

Security Options : WPA2-PSK(AES)

Security Options(WPA2-PSK)

Pre-Shared Key: password (8-63 characters or 64 hex digits)

Apply Cancel

Helpful Hints...

NOTE:To ensure proper agency compliance and compatibility between similar products in your area the operating channel and region must be set correctly.

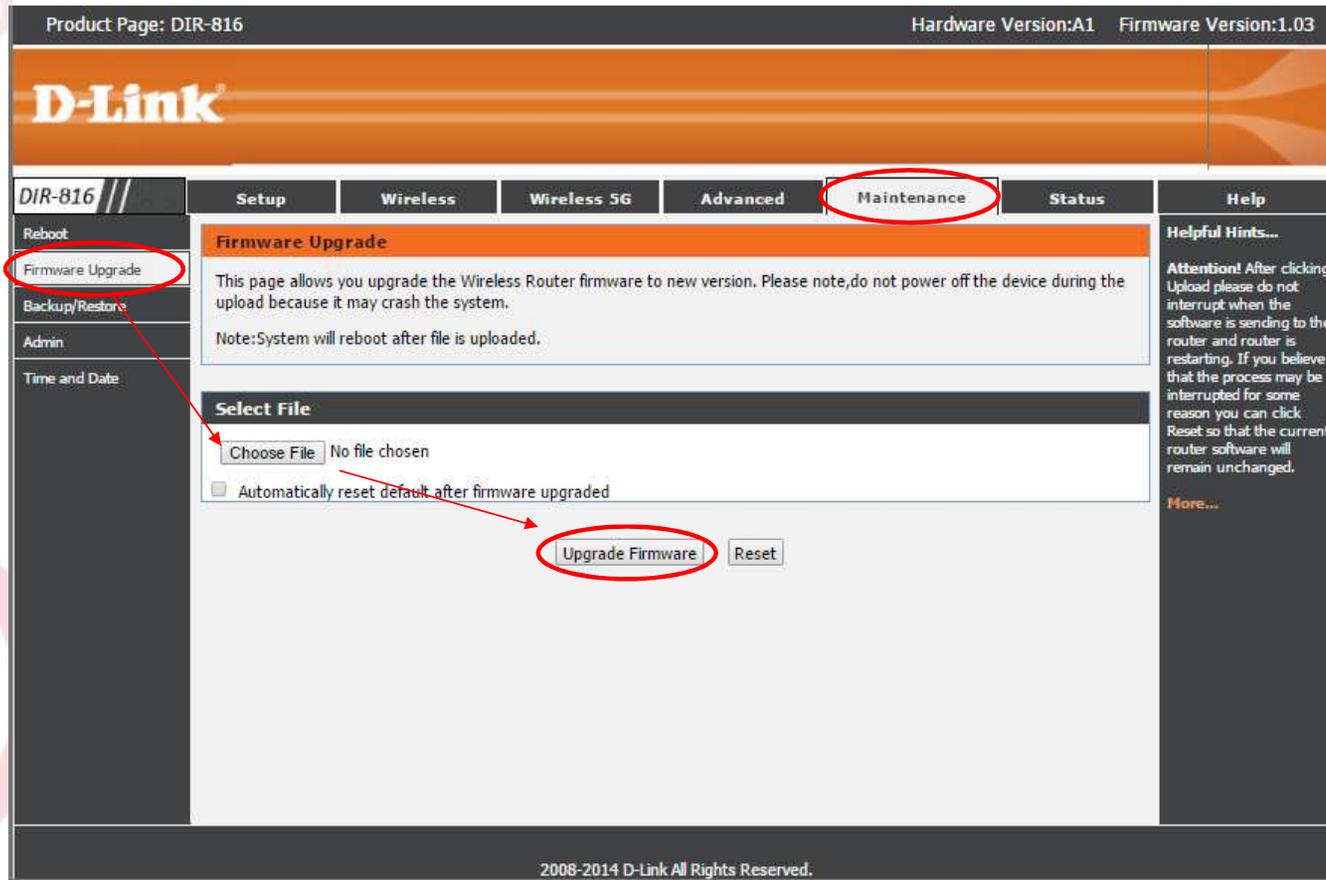
Placement of the Router to Optimize Wireless Connectivity

The operating distance or range of your wireless connection can vary significantly based on the physical placement of the router. For best results place your router:

- Near the center of the area in

Optional STEP (As and when required): Firmware upgrade

Under maintenance > firmware upgrade > upload the new firmware file > upgrade firmware



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DIR-816 // Setup Wireless Wireless 5G Advanced Maintenance Status Help

Reboot
Firmware Upgrade
Backup/Restore
Admin
Time and Date

Firmware Upgrade

This page allows you upgrade the Wireless Router firmware to new version. Please note, do not power off the device during the upload because it may crash the system.

Note: System will reboot after file is uploaded.

Select File

Choose File No file chosen

Automatically reset default after firmware upgraded

Upgrade Firmware Reset

Helpful Hints...

Attention! After clicking Upload please do not interrupt when the software is sending to the router and router is restarting. If you believe that the process may be interrupted for some reason you can click Reset so that the current router software will remain unchanged.

More...

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You can choose to download a Firmware version and then upload it offline or choose to download directly from internet itself

Changes to be Made After Configuration

- If the Wi-Fi password is changed, we need to update the password in all the devices to get connected to the Internet.
- Changes in PC
 - **Windows 7:** Click on Windows button → click on Control Panel → click on Network and Internet → click on Network and Sharing Centre.
 - In the Tasks pane(Left side of screen), click Manage wireless networks
 - Right-click the router name → click Remove network → click on OK.
 - Click on Network icon(right bottom corner next to system Time), click on Router name and enter the new Wi-Fi password and Connect.

- Changes in PC

- **Win 8,8.1:** Click on Network icon(right bottom corner next to system Time), Right click on Router name click on “Forget this network”. Again click on Router name, enter the new Wi-Fi password and Connect.
- **Win 10:** Click on Network icon(right bottom corner next to system Time), click on Network settings under Wi-Fi click on Manage known Networks → Click on your Router name and Click on Forget, and again click on Network icon → click on Router name enter the new Wi-Fi password and Connect

- Mobile or Tablet

- Go to ‘Settings’ in Mobile, turn on Wi-Fi and long press on your Router name and press “Forget network”. Again press the router name. You will be prompted to enter the Wi-Fi password . Enter the Password and Connect.