




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 colored 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

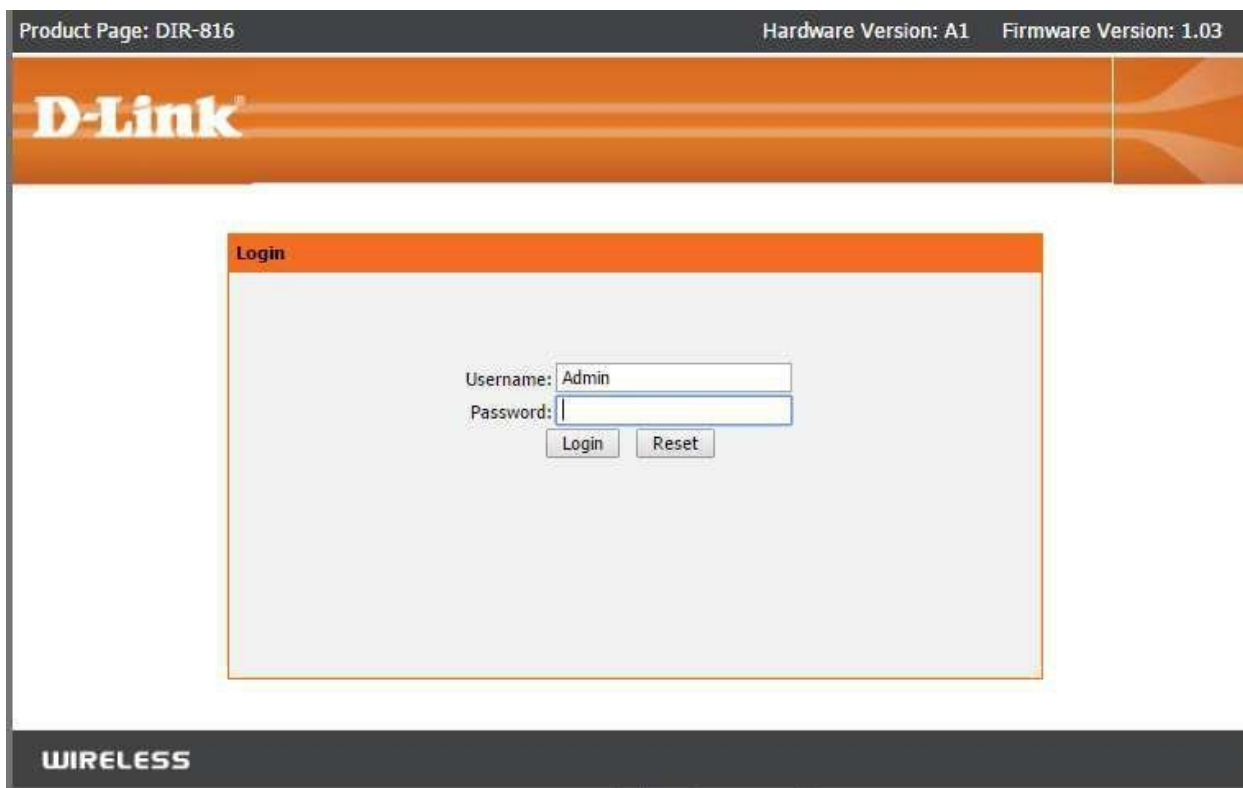
- Open a browser Enter the below IP Address in the Address Bar. A login page appears. The usual usernames and passwords are given in the table below.

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
Net gear	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

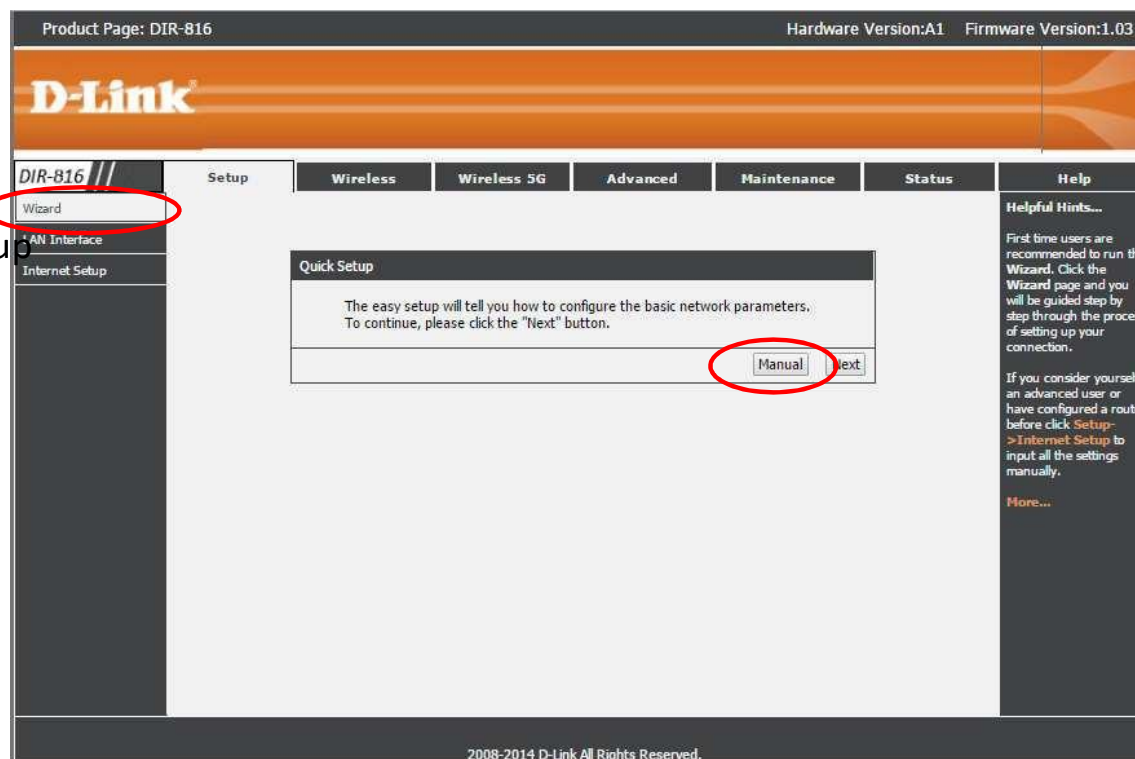
The username is “Admin” and no password



The screenshot shows the login interface of a D-Link router. At the top, a dark grey bar contains the text "Product Page: DIR-816" on the left, and "Hardware Version: A1" and "Firmware Version: 1.03" on the right. Below this is an orange header with the "D-Link" logo. The main content area features a "Login" window with a light grey background. Inside this window, there are two input fields: "Username:" with the text "Admin" entered, and "Password:" which is empty. Below the input fields are two buttons: "Login" and "Reset". At the bottom of the page, a dark grey bar contains the word "WIRELESS" in white capital letters.

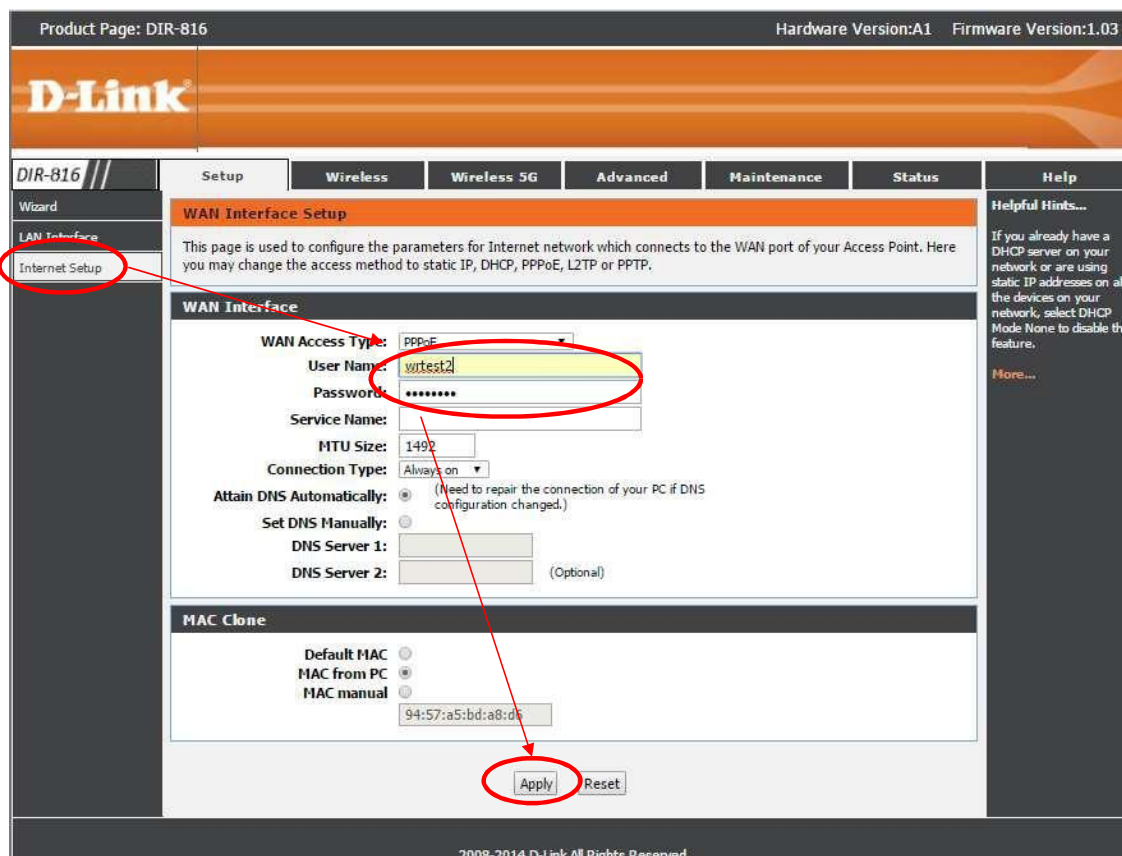
STEP 3: Internet Connectivity – PPPoE Configuration

Under setup > wizard > select manual setup



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

D-Link

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

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:d6

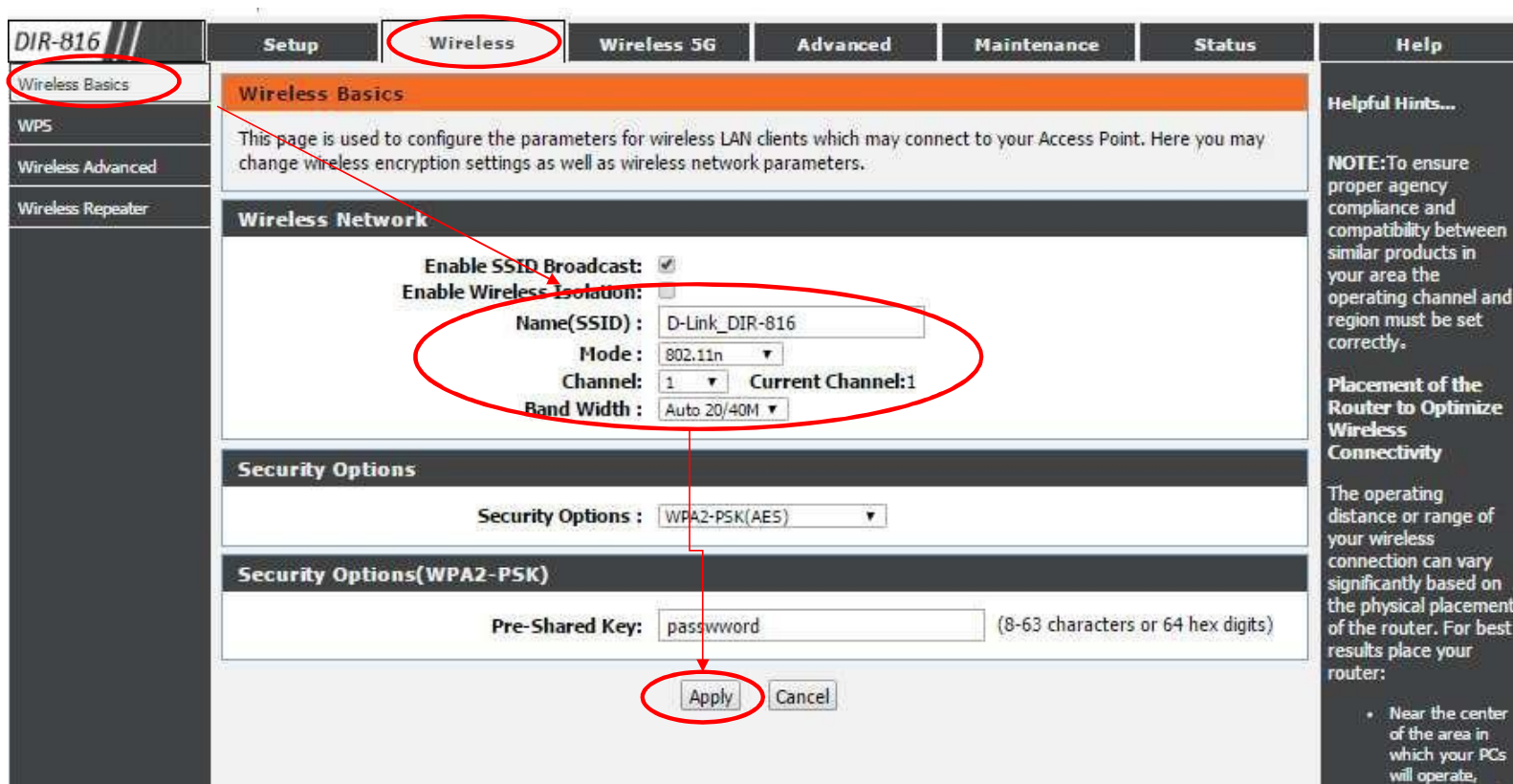
Apply Reset

Helpful Hints...
If you already have a DHCP server on your network or are using static IP addresses on all the devices on your network, select DHCP Mode None to disable this feature.
More...

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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



The screenshot shows the configuration page for a DIR-816 router. The 'Wireless' tab is selected in the top navigation bar. The 'Wireless Basics' section is active, showing the following settings:

- Enable SSID Broadcast:**
- Enable Wireless Isolation:**
- Name(SSID):** D-Link_DIR-816
- Mode:** 802.11n
- Channel:** 1
- Current Channel:** 1
- Band Width:** Auto 20/40M

The 'Security Options' section shows:

- Security Options:** WPA2-PSK(AES)

The 'Security Options(WPA2-PSK)' section shows:

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

The 'Apply' button is highlighted with a red circle, and a red arrow points from the 'Name(SSID)' field to it. The 'Wireless' tab and 'Wireless Basics' link in the sidebar are also circled in red.

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.

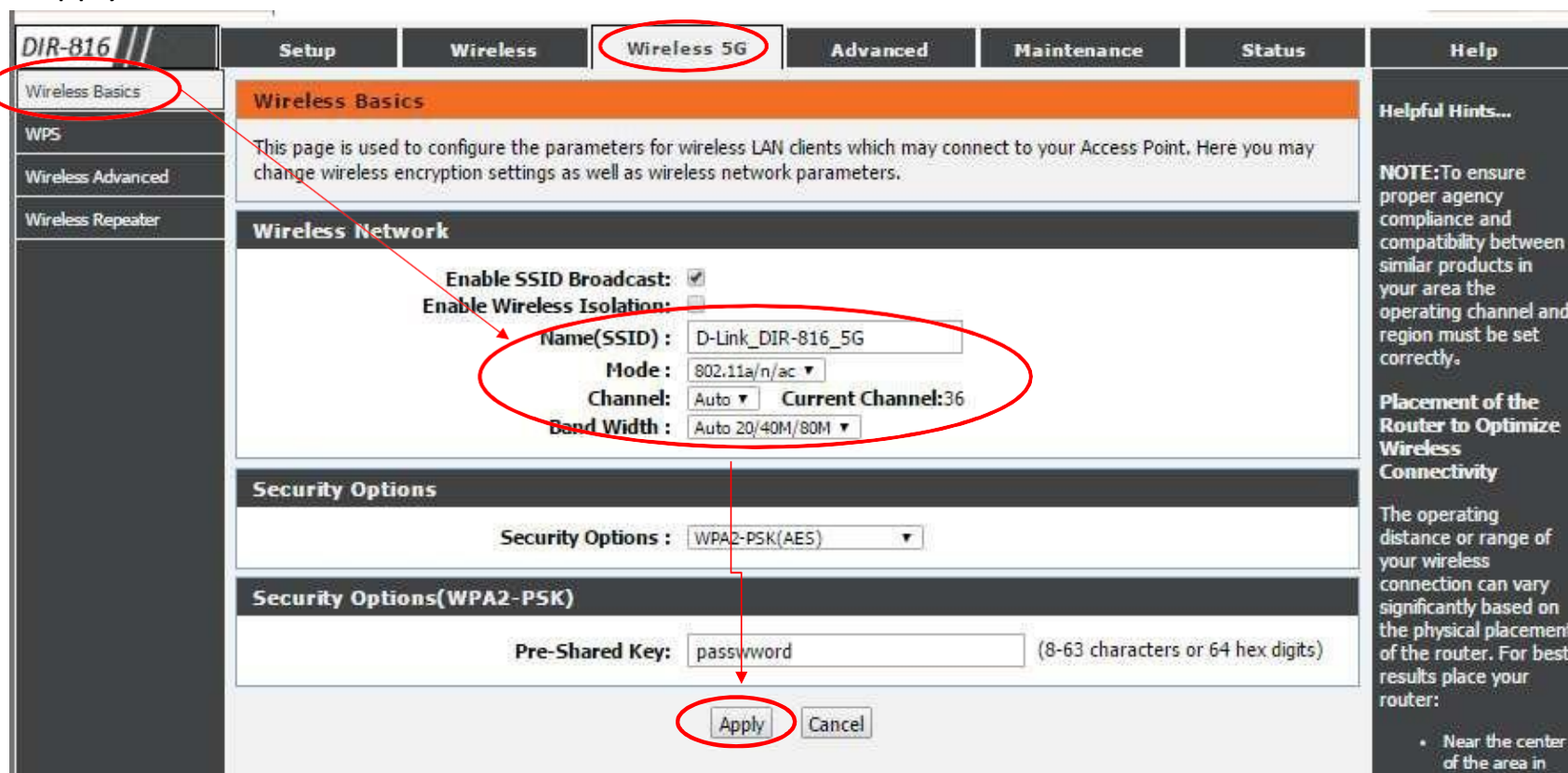
Placement of the Router to Optimize Wireless Connectivity

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 which your PCs will operate.

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

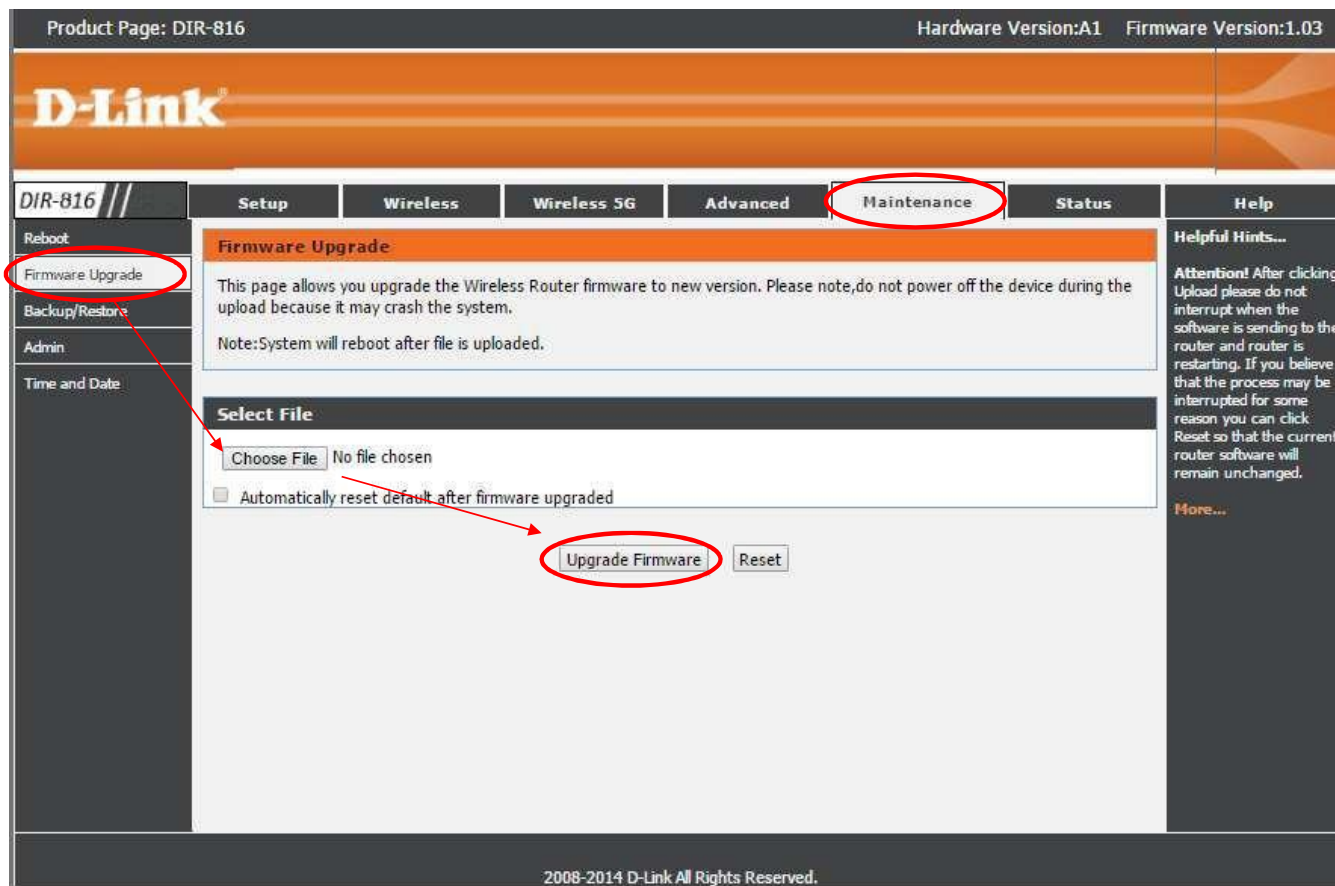
- Under wireless 5G > wireless basics > in “Name (SSID)” type any name you want to provide to the router
- In preshared key enter the desired password
- Click apply



The screenshot shows the configuration page for the DIR-816 router. The 'Wireless 5G' tab is selected. The 'Wireless Basics' section is highlighted with a red circle. The 'Wireless Network' section is also highlighted with a red circle. The 'Name (SSID)' field is set to 'D-Link_DIR-816_5G'. The 'Mode' is set to '802.11a/n/ac'. The 'Channel' is set to 'Auto' and the 'Current Channel' is '36'. The 'Band Width' is set to 'Auto 20/40M/80M'. The 'Security Options' section shows 'WPA2-PSK(AES)' selected. The 'Pre-Shared Key' field is set to 'password'. The 'Apply' button is circled in red.

Optional STEP (As and when required): Firmware upgrade

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



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

D-Link

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

No file chosen

Automatically reset default after firmware upgraded

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.