

Configuring a D-Link Router 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 Kovai Fibernet internet cable to the WAN/Internet port(different coloured port) of the router.
- An extra LAN 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
```

STEP1 (b): Connect Your Mobile

- Switch on the router and connect KOVAI FIBERNET 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. – Changing Different Wi-Fi Channels
 - Helps in reducing Slow Speed Issues.

STEP2: Logging into the Router

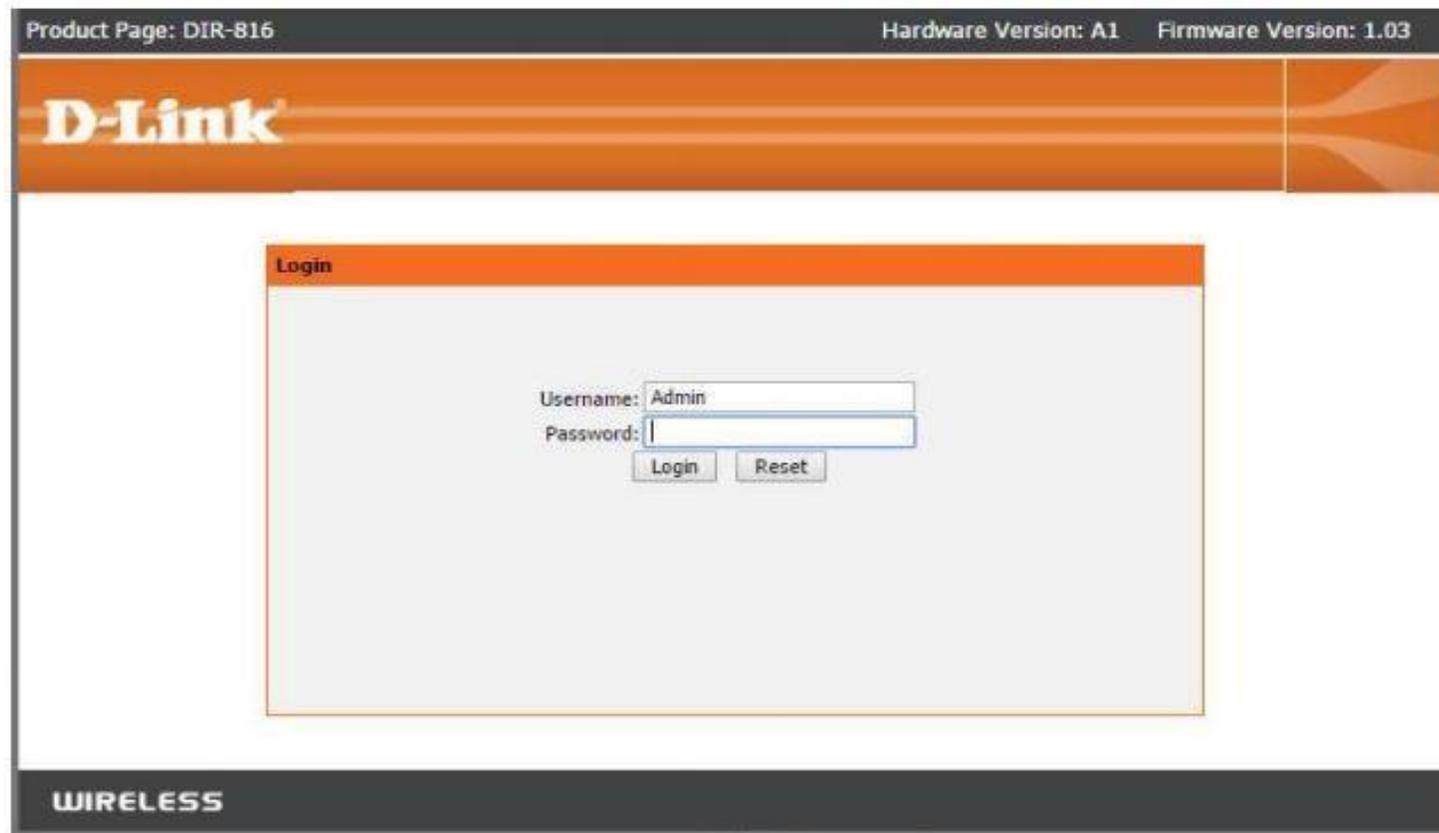
- Open a browser -> Enter the below IP Address in the Address Bar. A login page appears. The usual usernames and passwords are given in the table below.

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.

STEP3(a): Internet Connectivity – PPPoE Configuration

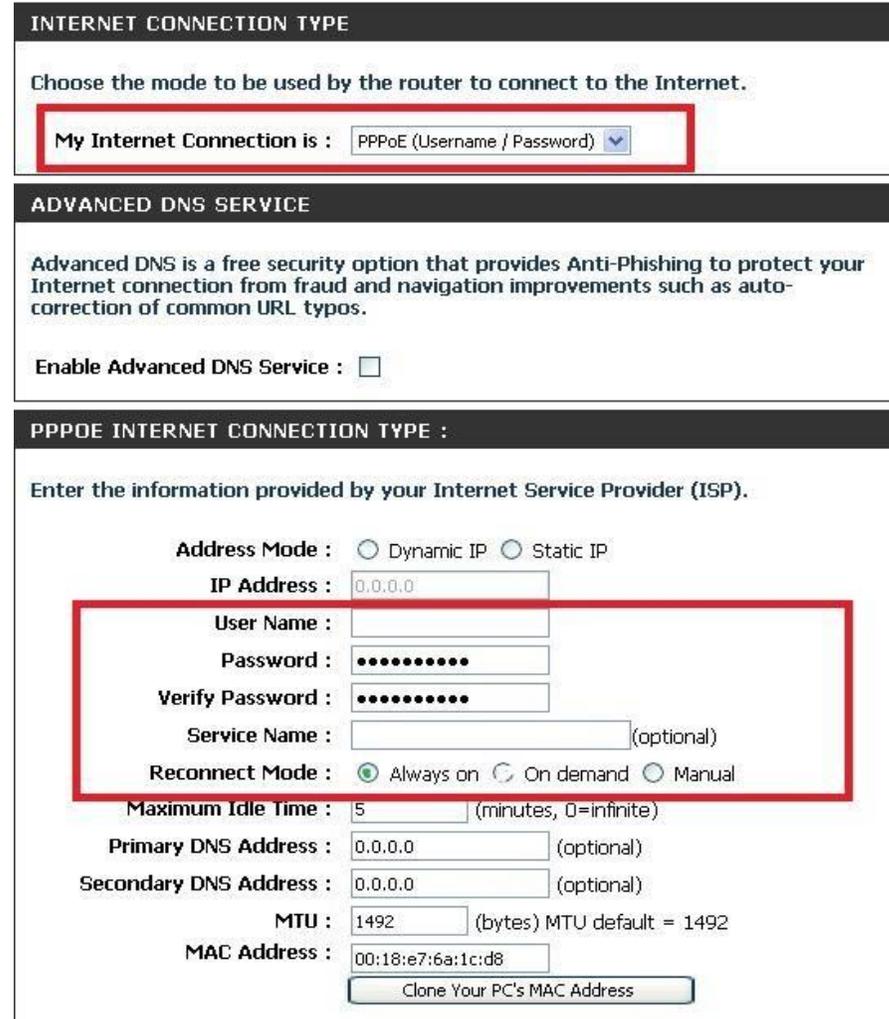
- Step 1 : Open any web browser
- Step 2 : Type Router page address on the address bar(192.168.0.1)
- Step 3 : Login with credentials



The screenshot shows the D-Link router's login interface. 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 center. Below the logo is a 'Login' form with two input fields: 'Username: Admin' and 'Password:'. There are 'Login' and 'Reset' buttons below the password field. The word 'WIRELESS' is visible in the bottom left corner of the interface.

STEP3(b): Internet Connectivity – PPPoE Configuration

- Setup > Internet setup > WAN interface > WAN access type “PPPoE” > Enter the username, password and Service Name provided by KOVAI FIBERNET & Click on Apply
- By Default Username & Password is same.



INTERNET CONNECTION TYPE

Choose the mode to be used by the router to connect to the Internet.

My Internet Connection is :

ADVANCED DNS SERVICE

Advanced DNS is a free security option that provides Anti-Phishing to protect your Internet connection from fraud and navigation improvements such as auto-correction of common URL typos.

Enable Advanced DNS Service :

PPPOE INTERNET CONNECTION TYPE :

Enter the information provided by your Internet Service Provider (ISP).

Address Mode : Dynamic IP Static IP

IP Address :

User Name :

Password :

Verify Password :

Service Name : (optional)

Reconnect Mode : Always on On demand Manual

Maximum Idle Time : (minutes, 0=infinite)

Primary DNS Address : (optional)

Secondary DNS Address : (optional)

MTU : (bytes) MTU default = 1492

MAC Address :

STEP4: Wi-Fi Connectivity – Router SSID/Password Configuration

- Step 1: Type in your preferred Wi-Fi name in SSID(Network name dialog box). Region Select Asia.
- Step 2: Click on security option dialog box and select WPA2–PSK (AES).
- Step 3: Type in your preferred Wi-Fi password.
- Step 3: click on 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
Mode: 802.11n
Channel: 1 Current Channel: 1
Band Width: Auto 20/40M

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.

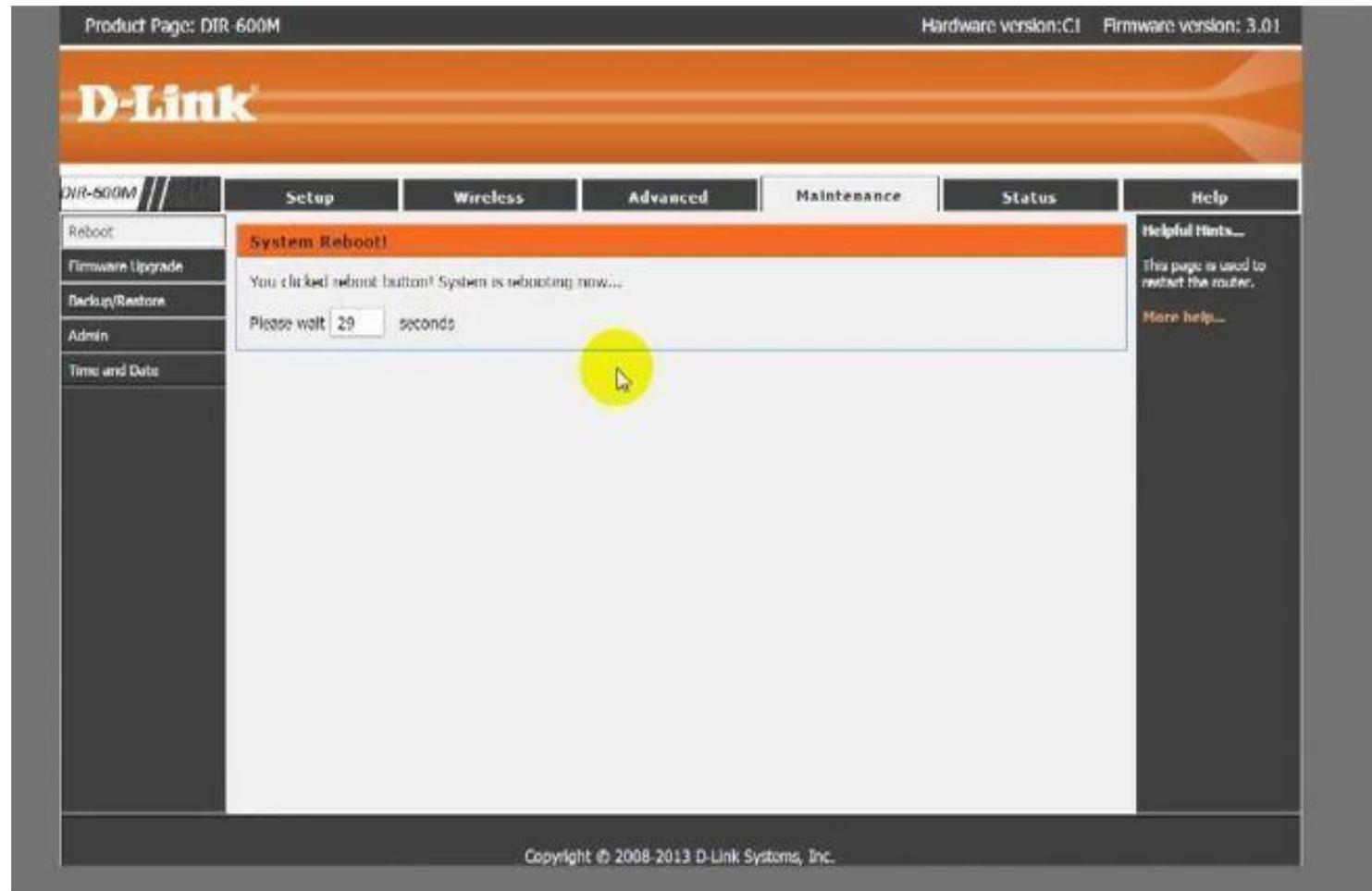
Placement of the Router to Optimize Wireless Connectivity

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 which your PCs will operate,

STEP5 : Reboot

- After done the configuration.
- Go to Maintenance -> Reboot the router.



STEP6 (As and when required): Firmware upgrade

- Maintenance > firmware upgrade > upload the new firmware file > upgrade firmware
- You can choose to download a Firmware version and then upload it offline or choose to download directly from internet itself.

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

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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