






# Configuring a D-Link Router

DIR-825 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 – This router has both the Bands.
  - 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.

## STEP 2: Logging into the Router

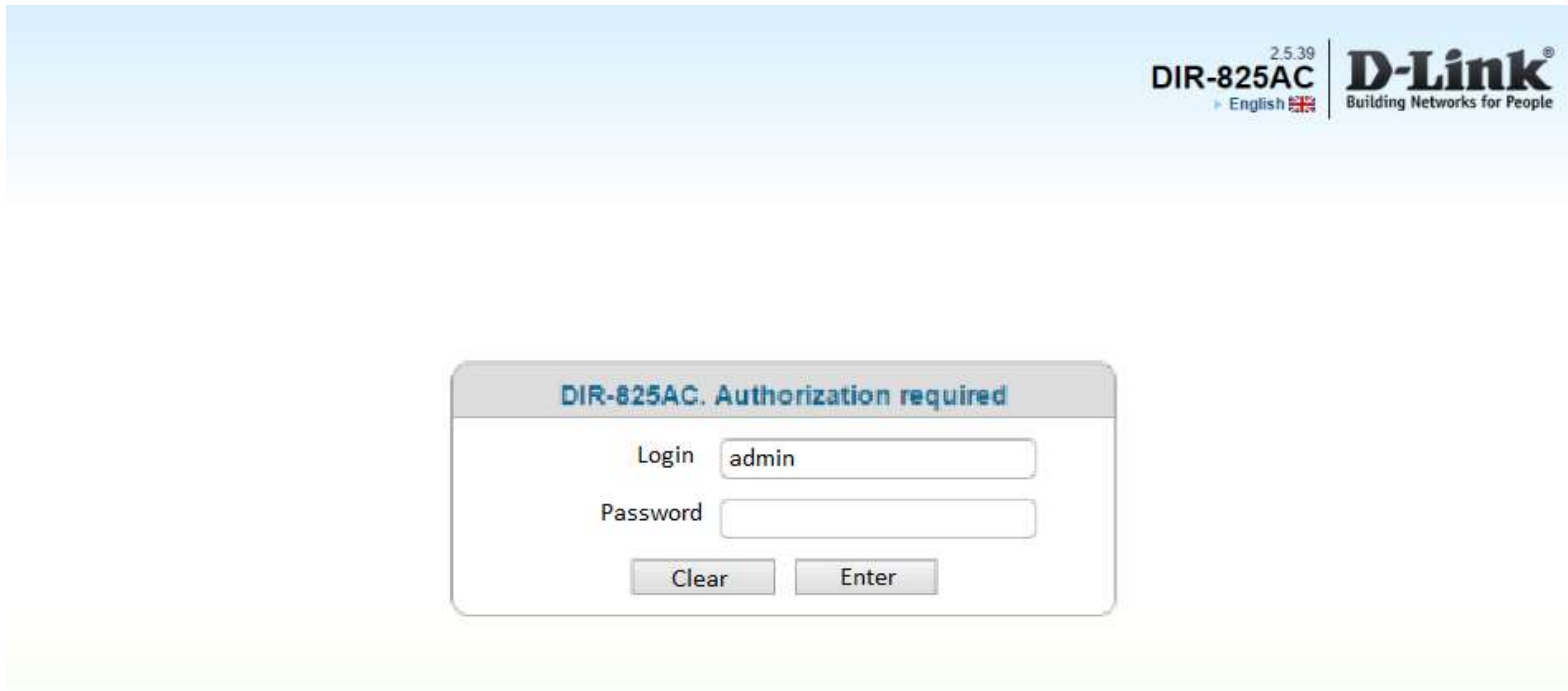
- Open a browser → Enter the below IP Address in the Address Bar. A login page appears. The usual usernames and passwords are given in the table below.


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 2.1: Logging into the Router

The username is “Admin” and no password(blank)



2.5.39  
DIR-825AC  
English 

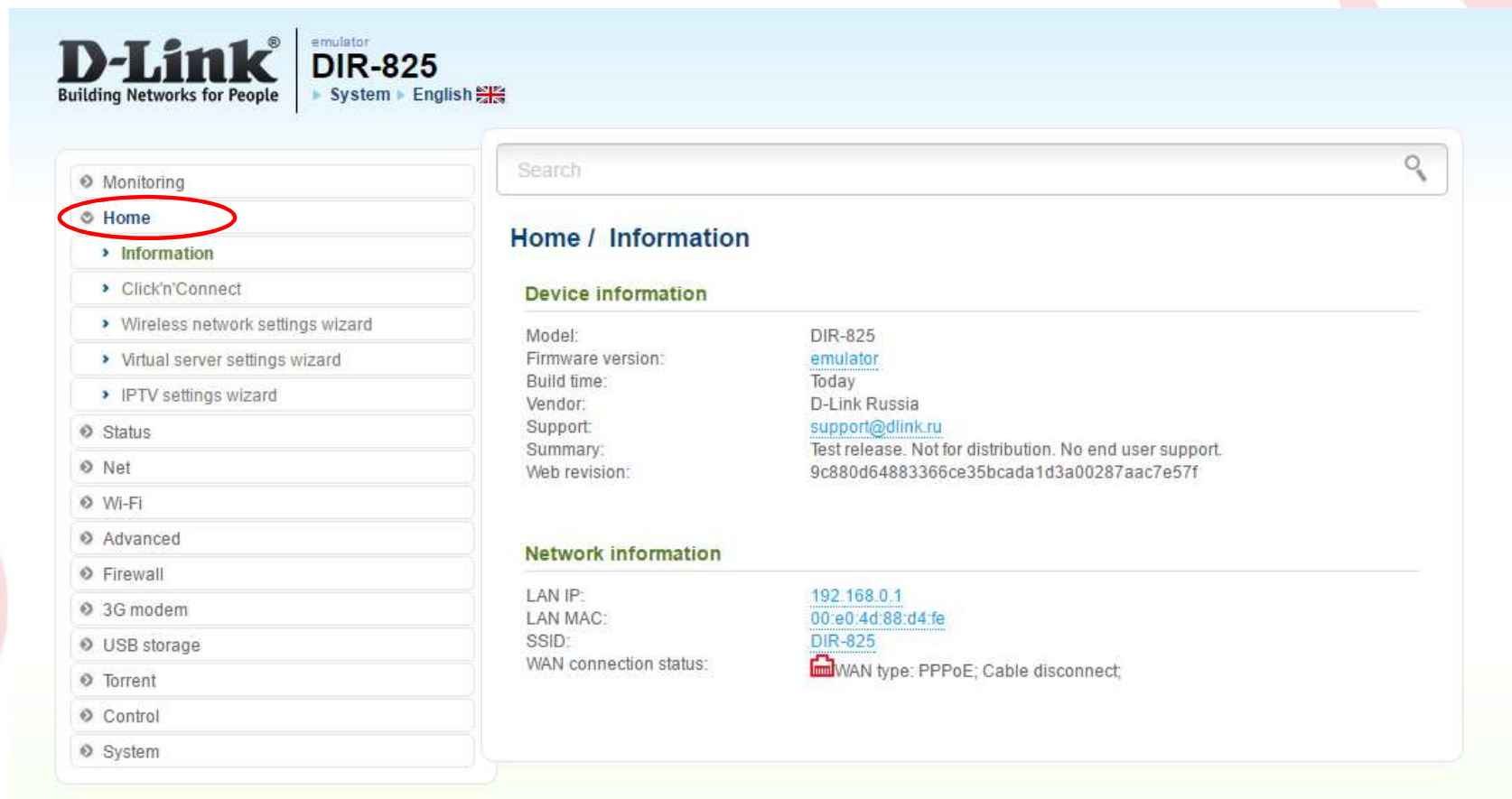
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Building Networks for People


**DIR-825AC. Authorization required**


Login

Password

## STEP 2.2: Home Page



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Search 

**Home / Information**

**Device information**

Model:	DIR-825
Firmware version:	<a href="#">emulator</a>
Build time:	Today
Vendor:	D-Link Russia
Support:	<a href="mailto:support@dlink.ru">support@dlink.ru</a>
Summary:	Test release. Not for distribution. No end user support.
Web revision:	9c880d64883366ce35bcada1d3a00287aac7e57f

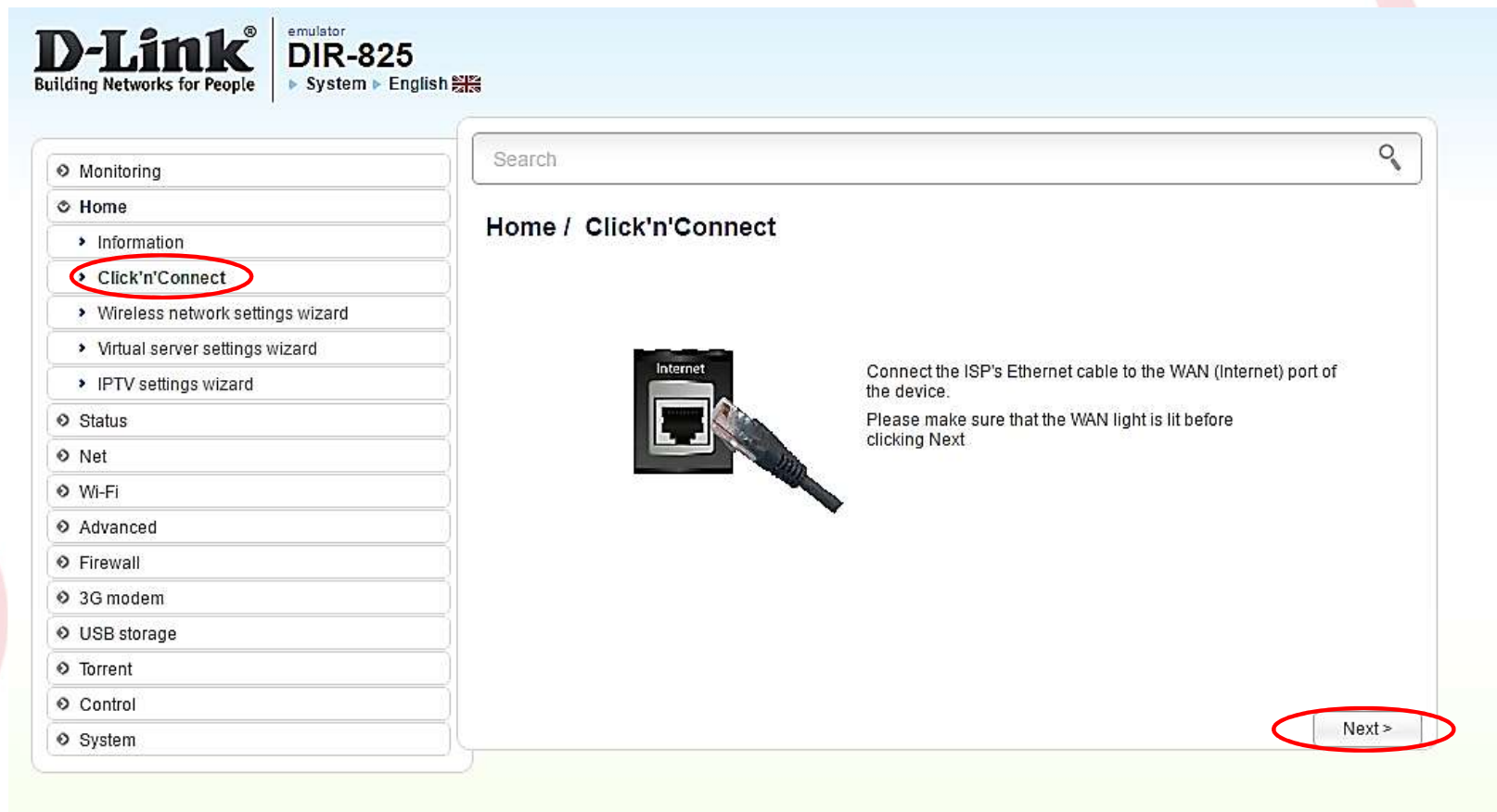
**Network information**

LAN IP:	<a href="#">192.168.0.1</a>
LAN MAC:	<a href="#">00:e0:4d:88:d4:fe</a>
SSID:	<a href="#">DIR-825</a>
WAN connection status:	 WAN type: PPPoE; Cable disconnect;

**Left Sidebar Menu:**

- Monitoring
- Home** (circled in red)
- Information
- Click'n'Connect
- Wireless network settings wizard
- Virtual server settings wizard
- IPTV settings wizard
- Status
- Net
- Wi-Fi
- Advanced
- Firewall
- 3G modem
- USB storage
- Torrent
- Control
- System

## STEP 2.3: Click'n'Connect



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emulator  
**DIR-825**  
System English

Search

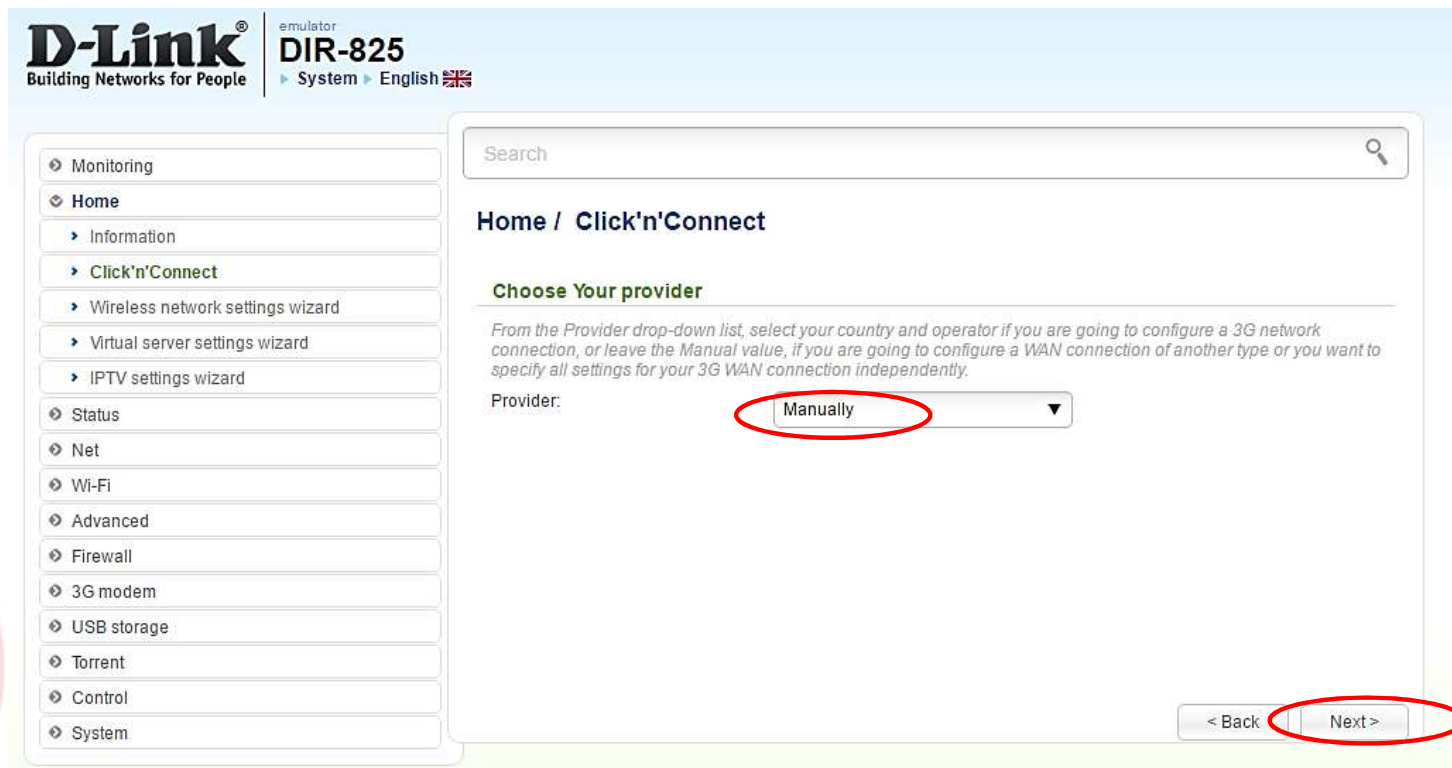
Home / Click'n'Connect


Connect the ISP's Ethernet cable to the WAN (Internet) port of the device.  
Please make sure that the WAN light is lit before clicking Next

Next >




## STEP 2.4: Under Click n connect > Provider Manually > Next



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**DIR-825** ▶ System ▶ English 

Monitoring  
Home  
▶ Information  
▶ **Click'n'Connect**  
▶ Wireless network settings wizard  
▶ Virtual server settings wizard  
▶ IPTV settings wizard  
Status  
Net  
Wi-Fi  
Advanced  
Firewall  
3G modem  
USB storage  
Torrent  
Control  
System

Search 

Home / Click'n'Connect

**Choose Your provider**

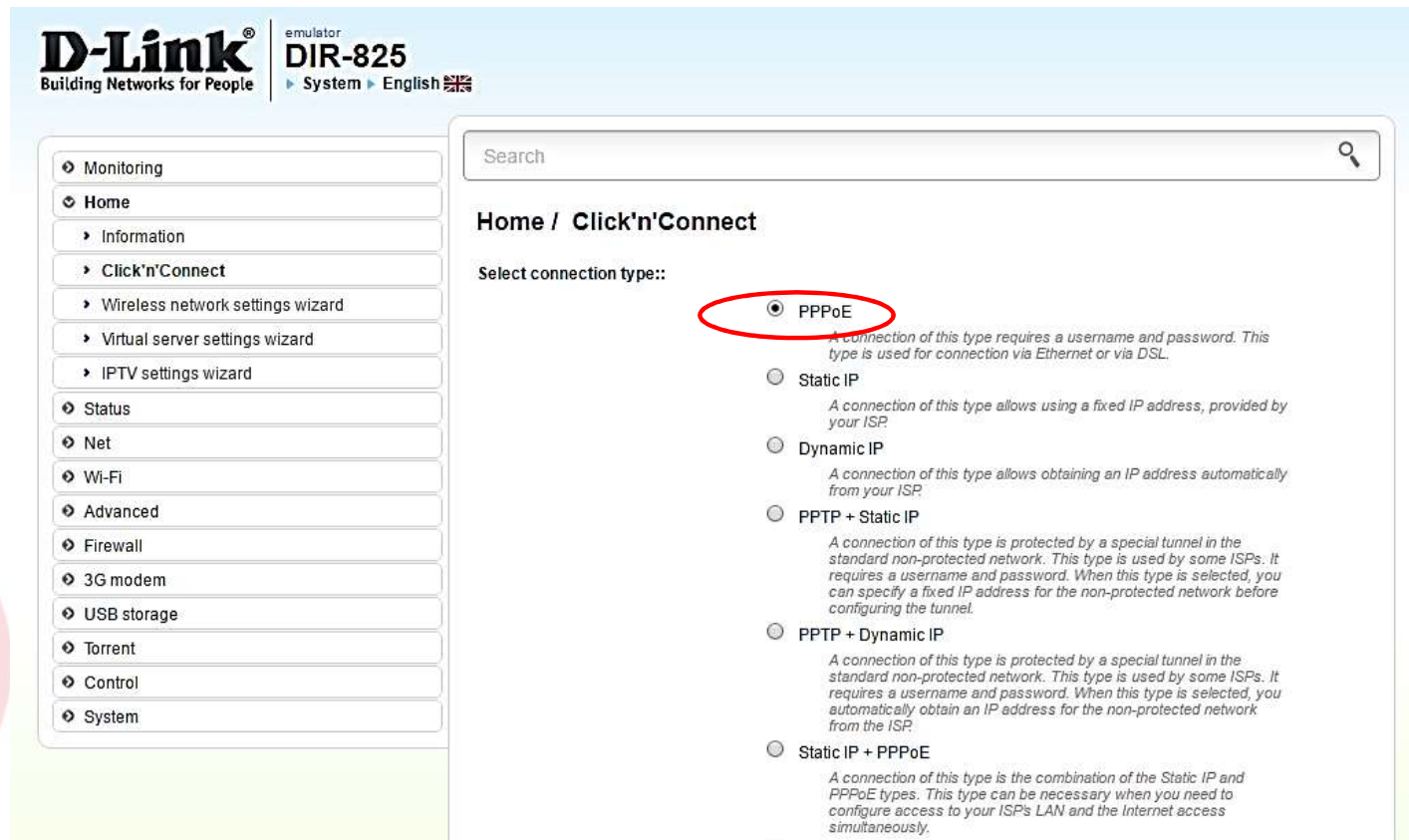
*From the Provider drop-down list, select your country and operator if you are going to configure a 3G network connection, or leave the Manual value, if you are going to configure a WAN connection of another type or you want to specify all settings for your 3G WAN connection independently.*


Provider: Manually ▼

< Back Next >

## STEP 3.1: Internet Connectivity – PPPoE Configuration

Choose PPPoE in the connection type > Next



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Monitoring

Home

Information

Click'n'Connect

Wireless network settings wizard

Virtual server settings wizard

IPTV settings wizard

Status

Net

Wi-Fi

Advanced

Firewall

3G modem

USB storage

Torrent

Control

System

Search

Home / Click'n'Connect

Select connection type::

- ☒ **PPPoE**  
A connection of this type requires a username and password. This type is used for connection via Ethernet or via DSL.
- ☐ Static IP  
A connection of this type allows using a fixed IP address, provided by your ISP.
- ☐ Dynamic IP  
A connection of this type allows obtaining an IP address automatically from your ISP.
- ☐ PPTP + Static IP  
A connection of this type is protected by a special tunnel in the standard non-protected network. This type is used by some ISPs. It requires a username and password. When this type is selected, you can specify a fixed IP address for the non-protected network before configuring the tunnel.
- ☐ PPTP + Dynamic IP  
A connection of this type is protected by a special tunnel in the standard non-protected network. This type is used by some ISPs. It requires a username and password. When this type is selected, you automatically obtain an IP address for the non-protected network from the ISP.
- ☐ Static IP + PPPoE  
A connection of this type is the combination of the Static IP and PPPoE types. This type can be necessary when you need to configure access to your ISP's LAN and the Internet access simultaneously.



## STEP 3.2: Internet Connectivity – PPPoE Configuration

Home > Click'n'Connect > Manual > PPPoE > Enter the username provided by ACT > password provided by ACT > Next

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Monitoring  
Home  
  > Information  
  > **Click'n'Connect**  
  > Wireless network settings wizard  
  > Virtual server settings wizard  
  > IPTV settings wizard  
Status  
Net  
Wi-Fi  
Advanced  
Firewall  
3G modem  
USB storage  
Torrent  
Control  
System

Search

Home / Click'n'Connect

Connection name:\* pppoe\_Internet\_3

Username:\* ACT username

Password:\* \*\*\*\*\*

Password confirmation:\* \*\*\*\*\*

Enter Connection Name: Any name can be given here

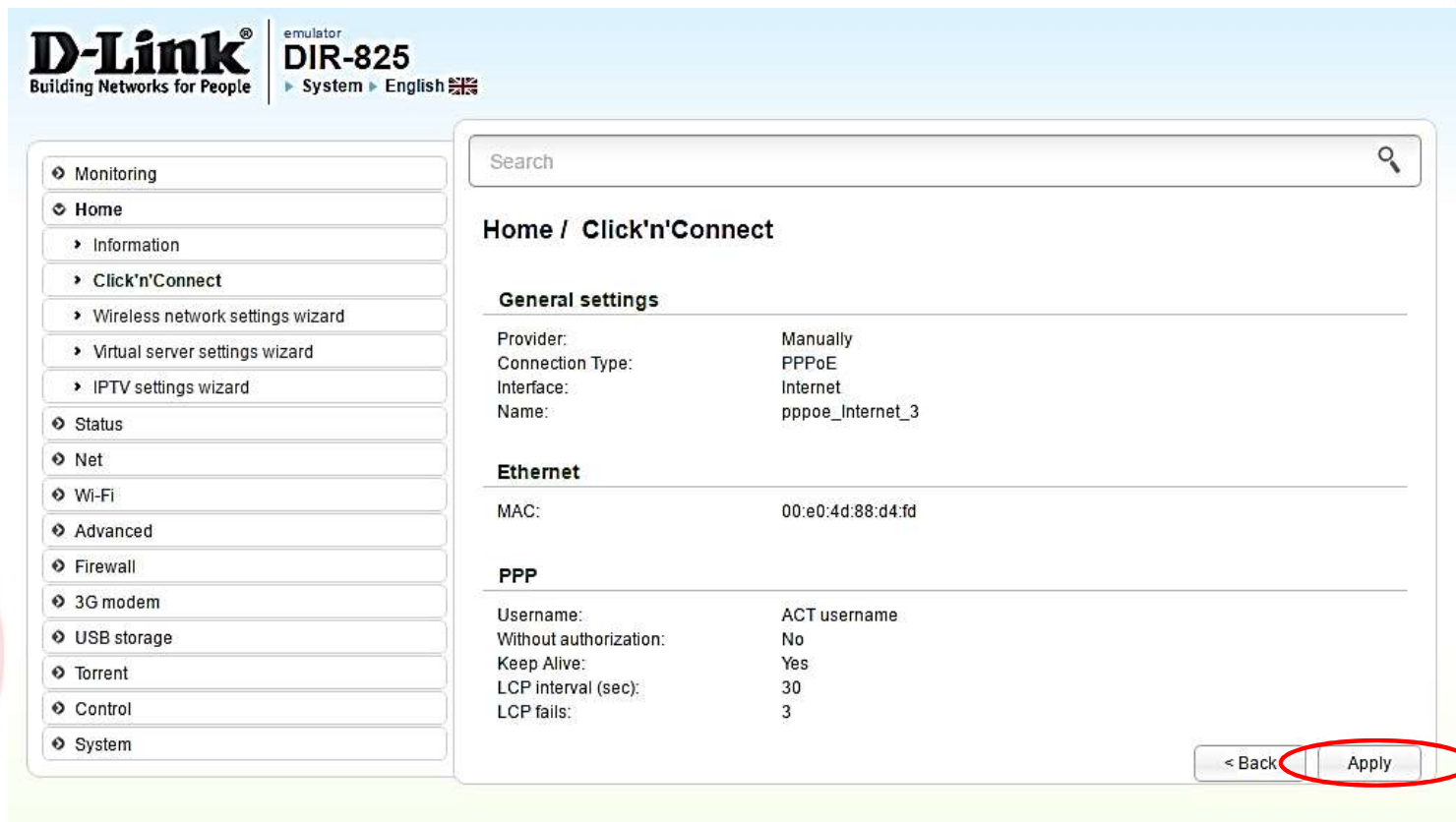
Enter ACT provided login ID and password and then click Next.


Expert

< Back Next >


## STEP 3.3: Internet Connectivity – PPPoE Configuration

The PPPoE session is created > Apply



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Monitoring  
**Home**  
 Information  
**Click'n'Connect**  
 Wireless network settings wizard  
 Virtual server settings wizard  
 IPTV settings wizard  
 Status  
 Net  
 Wi-Fi  
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 Firewall  
 3G modem  
 USB storage  
 Torrent  
 Control  
 System

Search 

### Home / Click'n'Connect

**General settings**

Provider:	Manually
Connection Type:	PPPoE
Interface:	Internet
Name:	pppoe_Internet_3

**Ethernet**

MAC:	00:e0:4d:88:d4:fd
------	-------------------

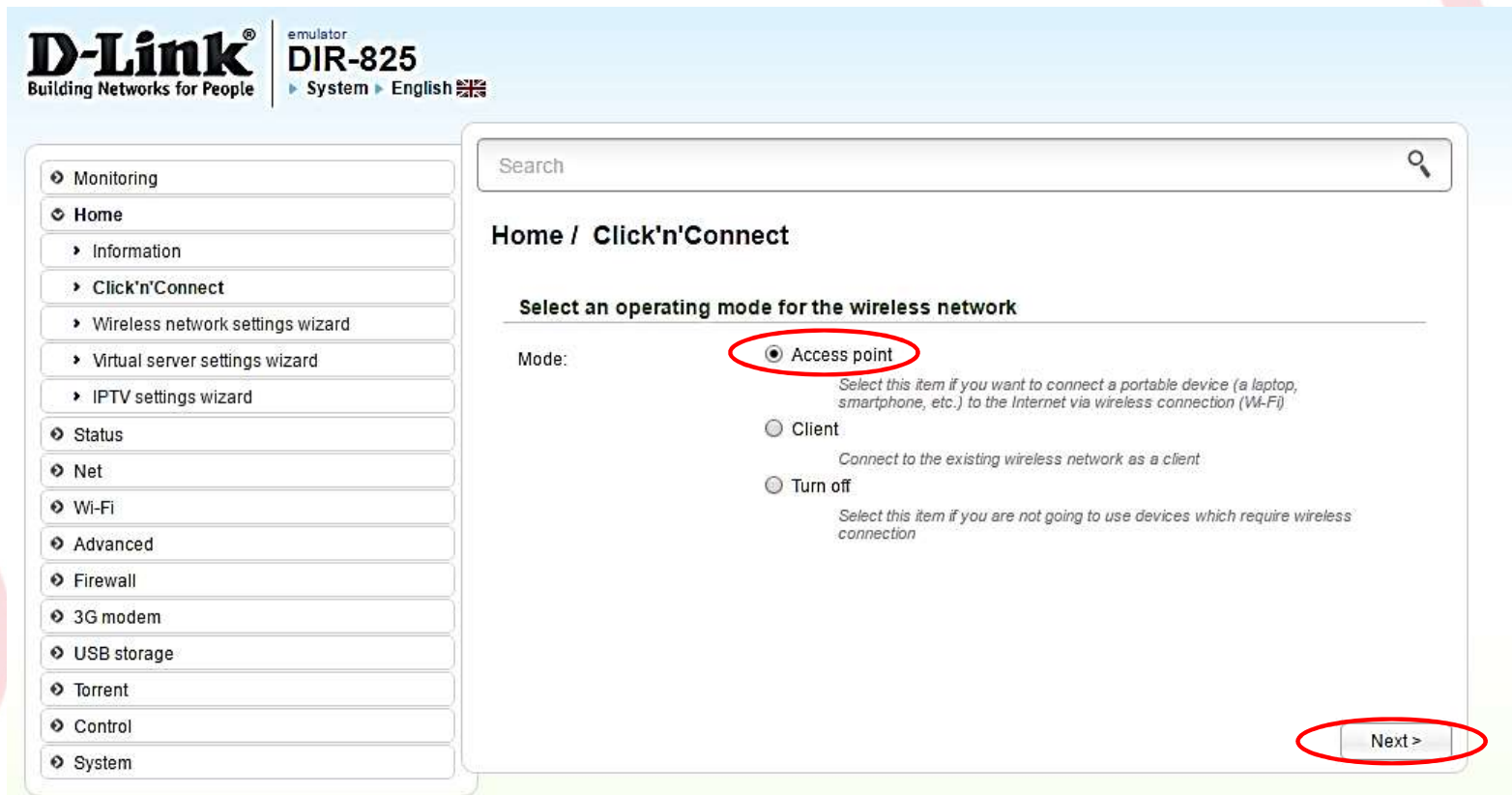
**PPP**


Username:	ACT username
Without authorization:	No
Keep Alive:	Yes
LCP interval (sec):	30
LCP fails:	3

< Back **Apply**


## STEP 4: Wi-Fi Connectivity – Router SSID/Password Configuration

Under wireless network mode choose > Access point > Next



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Monitoring  
Home  
▶ Information  
▶ Click'n'Connect  
▶ Wireless network settings wizard  
▶ Virtual server settings wizard  
▶ IPTV settings wizard  
Status  
Net  
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Advanced  
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Control  
System

Search 

Home / Click'n'Connect

Select an operating mode for the wireless network

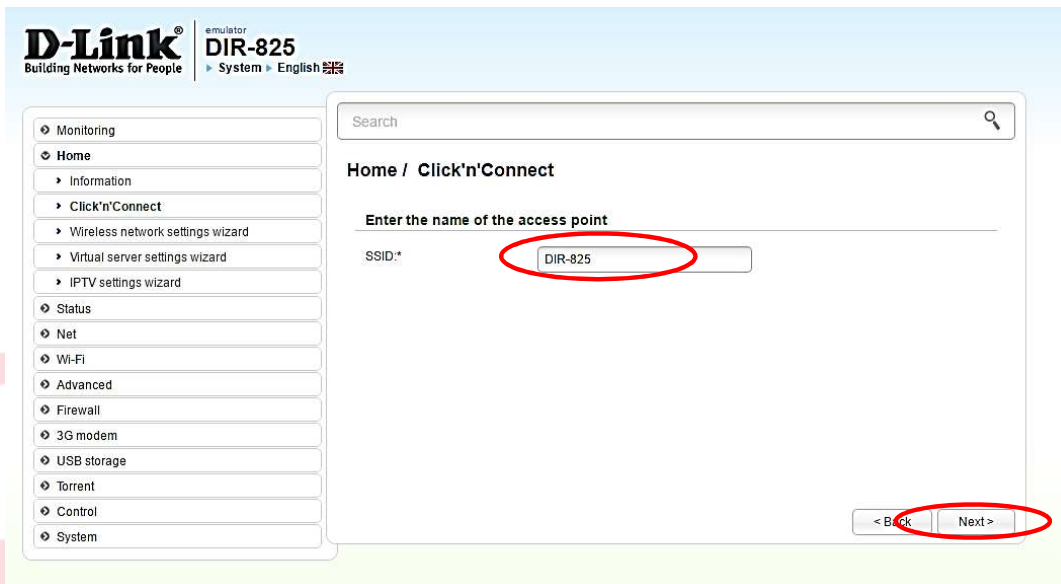
Mode:

- ☒ Access point  
Select this item if you want to connect a portable device (a laptop, smartphone, etc.) to the Internet via wireless connection (Wi-Fi)
- ☐ Client  
Connect to the existing wireless network as a client
- ☐ Turn off  
Select this item if you are not going to use devices which require wireless connection

Next >

## STEP 4: Wi-Fi Connectivity – Router SSID/Password Configuration

Provide any name to the router under SSID > Next > Under security authentication > select Protected > enter any 8 character password under network key > Next



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System > English

Monitoring  
Home  
Information  
Click'n'Connect  
Wireless network settings wizard  
Virtual server settings wizard  
IPTV settings wizard  
Status  
Net  
Wi-Fi  
Advanced  
Firewall  
3G modem  
USB storage  
Torrent  
Control  
System

Search

Home / Click'n'Connect

Enter the name of the access point

SSID:\*

< Back Next >

### Home / Click'n'Connect

#### Specify the security mode

Network Authentication:

Network key:\*

< Back Next >

## STEP 4: Wi-Fi Connectivity – Router SSID/Password Configuration

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- Monitoring
- Home
- Status
- Net
- Wi-Fi
  - Basic settings
  - 2.4 GHz
  - 5 GHz
  - Security settings
  - MAC Filter
  - Station List
  - WPS
  - Additional settings
  - WMM
  - Client
- Advanced
- Firewall
- 3G modem

Search

### Wi-Fi / Basic settings / 2.4 GHz

Enable Wireless: ☒

MBSSID: Disabled

BSSID: 00:E0:4D:88:D4:FE

Hide Access Point: ☐

SSID:\* DIR-825

Country: RUSSIAN FEDERATION

Channel: auto

Wireless mode: 802.11 B/G/N mixed

When changing mode from "B"/"G" on any of the modes with "N" is recommended to re-tune security!

Max Associated Clients:\* 0

0 - unlimited

Apply

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emulator  
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System | English

Monitoring

Home

Status

Net

Wi-Fi

Basic settings

2.4 GHz

5 GHz

Security settings

MAC Filter

Station List

WPS

Additional settings

WMM

Client

Advanced

Firewall

Search

### Wi-Fi / Basic settings / 5 GHz

Enable Wireless: ☒

MBSSID: Disabled

BSSID: 00:E0:4D:88:D4:FE

Hide Access Point: ☐

SSID:\* DIR-825-5G

Country: RUSSIAN FEDERATION

Channel: auto

Wireless mode: 802.11 A/N mixed

When changing mode from "B"/"G" on any of the modes with "N" is recommended to re-tune security!

Max Associated Clients:\* 0

0 - unlimited

Apply

Under Wifi > Basic settings > 2.4 GHz/5 GHz  
> Enter the required SSID > the required  
channel as per the premises > Apply

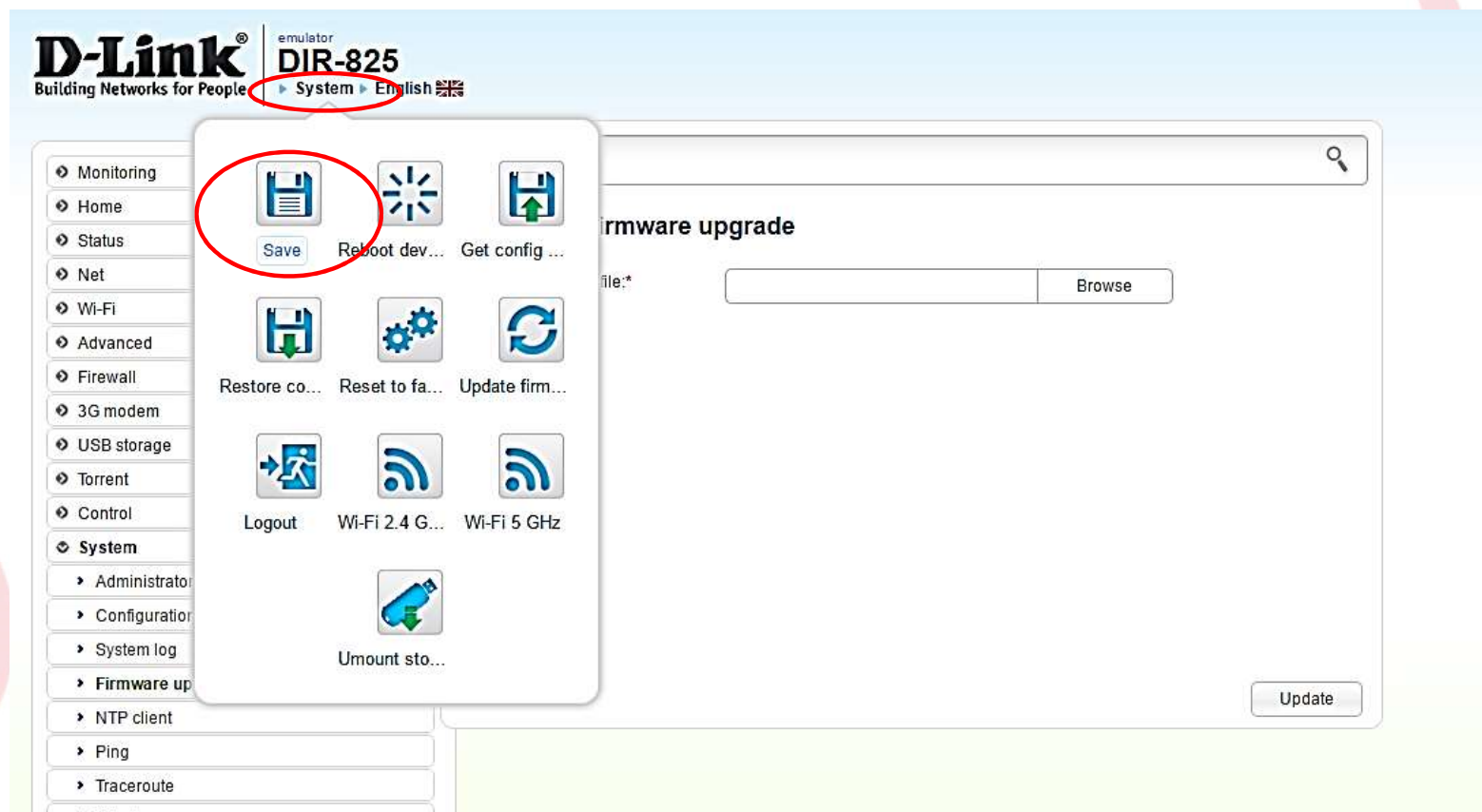
You can choose appropriate channel based on  
premises. We have a separate slide on  
deciding Channel Number. Refer this slide:

**Step 7**



## STEP 5: Saving Configuration

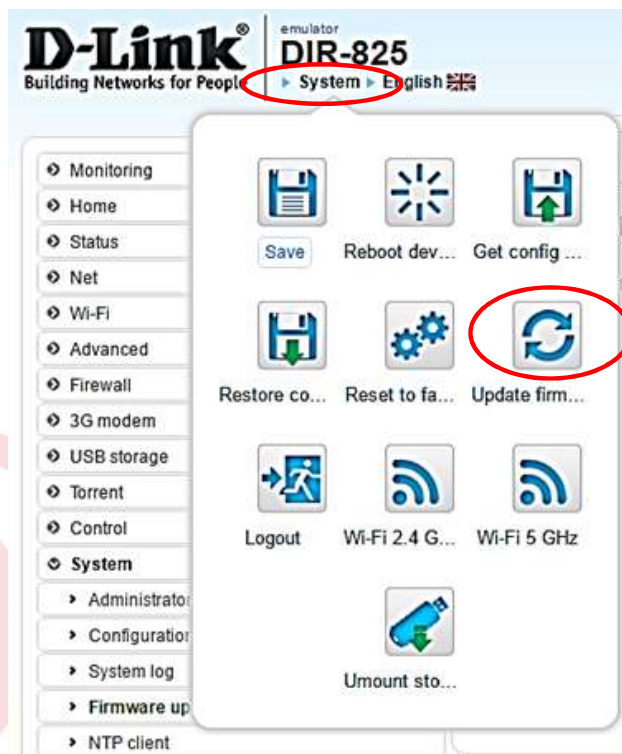
Save all the settings by going to System > Save



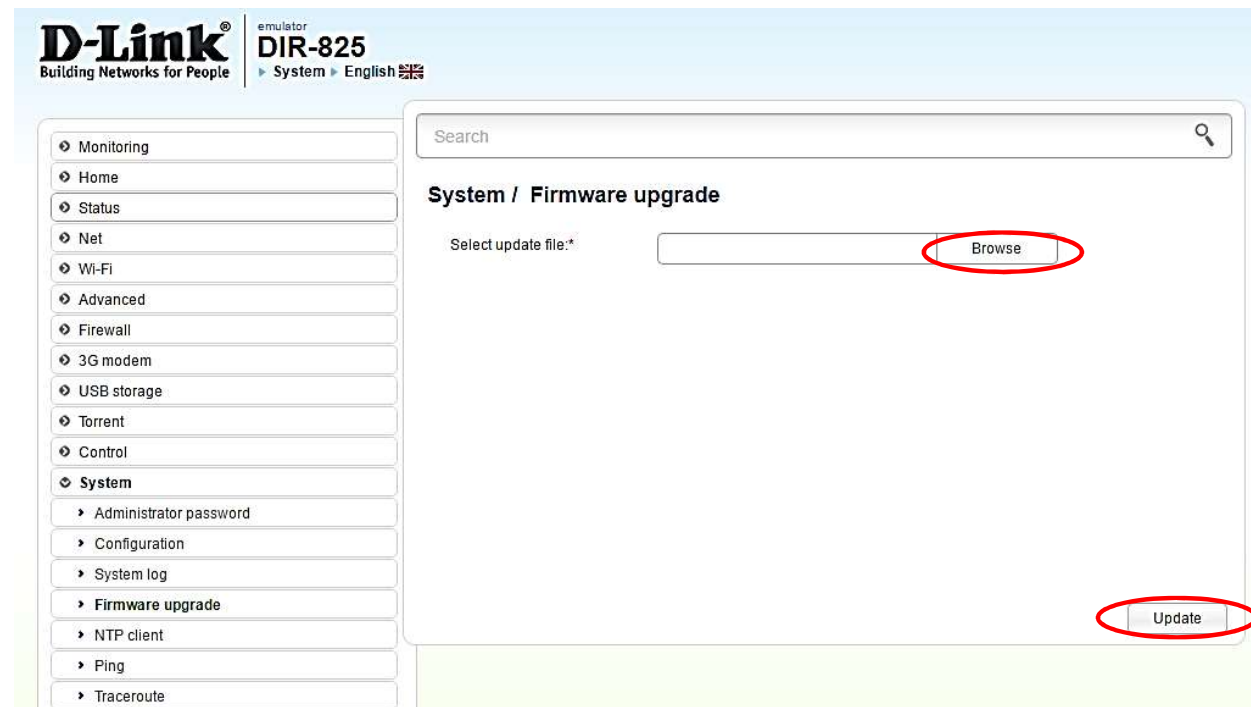


## STEP 6 (As and when required): Firmware upgrade

Under System > firmware upgrade > Select the update file from the PC which has been downloaded from the router website > Update the router

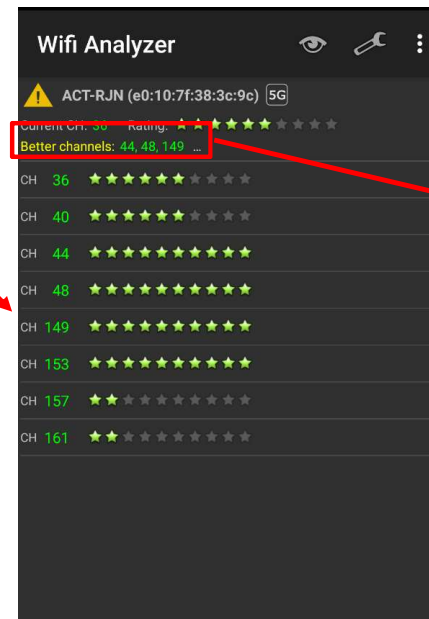
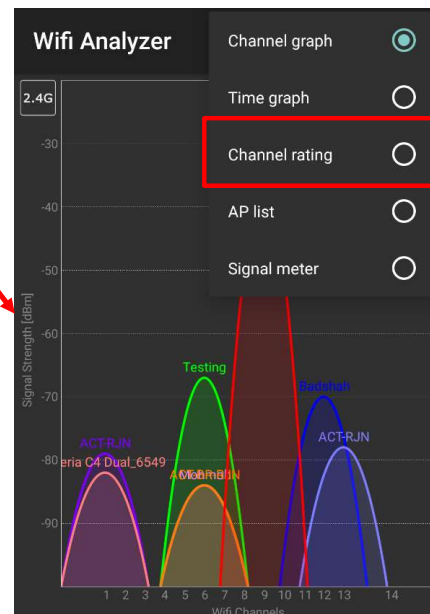
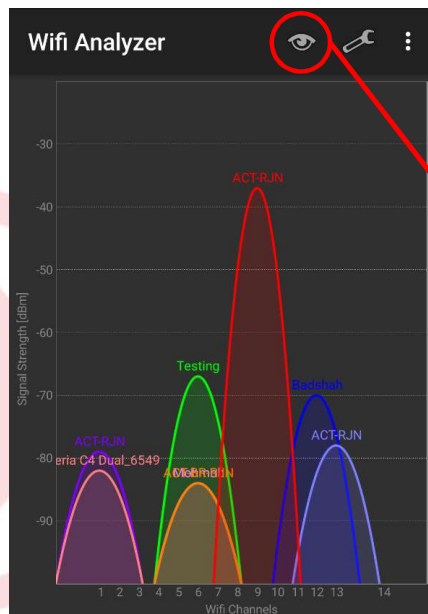


You can choose to download a Firmware version and then upload it offline or choose to download directly from internet itself



## STEP 7: Channel Change (As and when required)

- Channels are the mediums through which your router transmits signals to other devices.
- There are several channels that one can choose from, based on the Frequency at which your router works (Bands – 2.4 GHz or 5GHz) and the premises.
  - Step A: Download any Wi-Fi Analyzer software from Internet (It is a Freeware).
  - Step B: Choose to view different channels. We have provided an Example for better understanding.
  - Step C: Channel numbers for 2.4 GHz will be in the range of 1 to 14, where as for 5 GHz band will be > 36.
  - Step D: Wi-Fi analyzer will show which channel is being utilized most and which one the least. Refer the example in the next slide. Choosing a channel with least utilization will give maximum advantage.



More Stars implies  
▶ Lesser Utilization of  
Channel

## 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.