




# Configuring a TPLINK Router

TP Link **TL-WR740N / TL-WR741ND**  
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 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:192.168.0.1

```
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.
  - 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
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 3(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

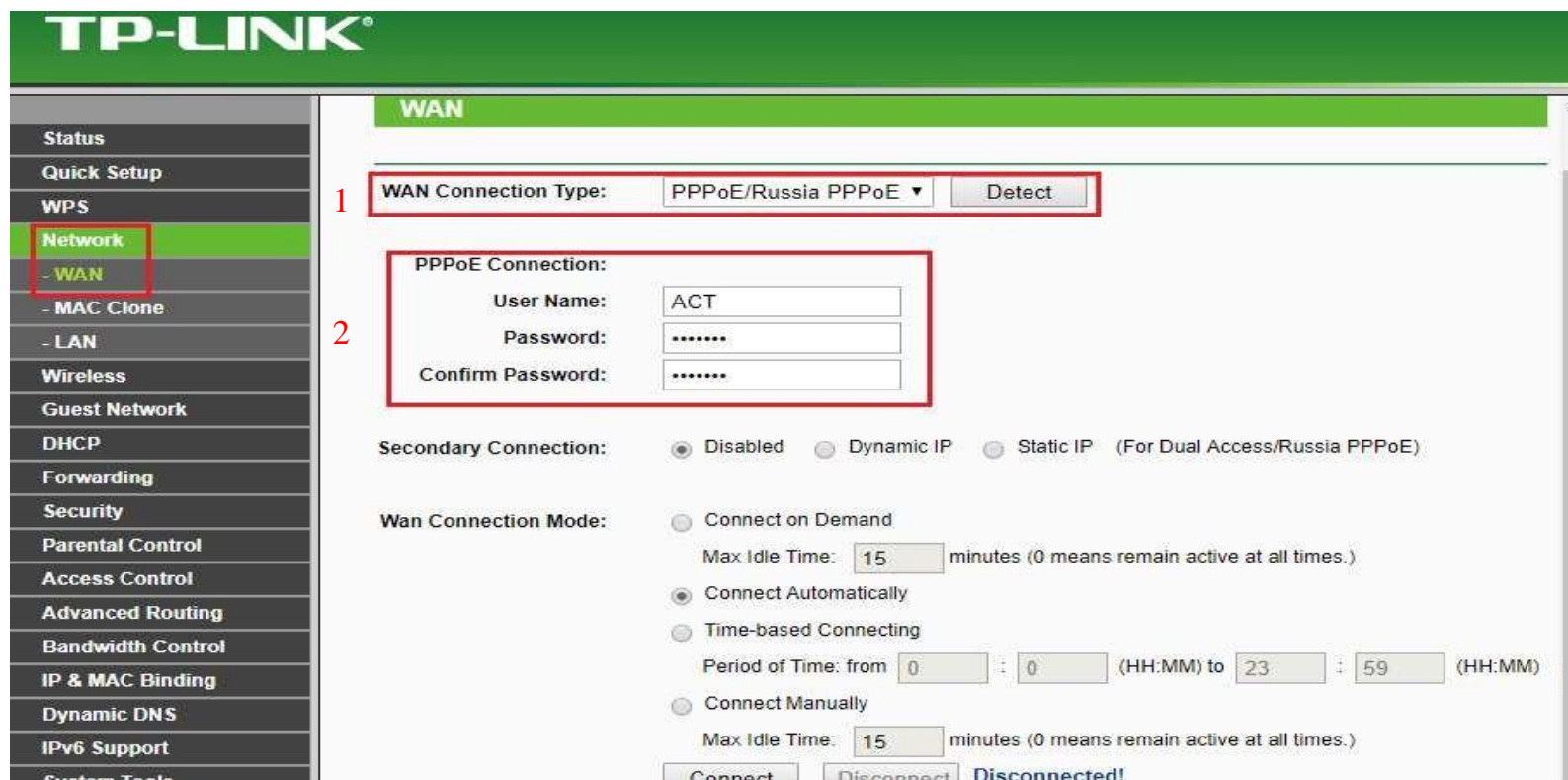


### STEP 3(b): Internet Connectivity – PPPoE Configuration

Step 1: Enter the portal username in the PPPoE username field

Step 2 :Enter the portal password in the PPPoE password

Step 3: Click on ok



**TP-LINK®**

**WAN**

1 WAN Connection Type: PPPoE/Russia PPPoE Detect

2 PPPoE Connection:

User Name: ACT

Password: .....

Confirm Password: .....

Secondary Connection:  Disabled  Dynamic IP  Static IP (For Dual Access/Russia PPPoE)

Wan Connection Mode:

Connect on Demand  
Max Idle Time: 15 minutes (0 means remain active at all times.)

Connect Automatically

Time-based Connecting  
Period of Time: from 0 : 0 (HH:MM) to 23 : 59 (HH:MM)

Connect Manually  
Max Idle Time: 15 minutes (0 means remain active at all times.)

Connect Disconnect **Disconnected!**



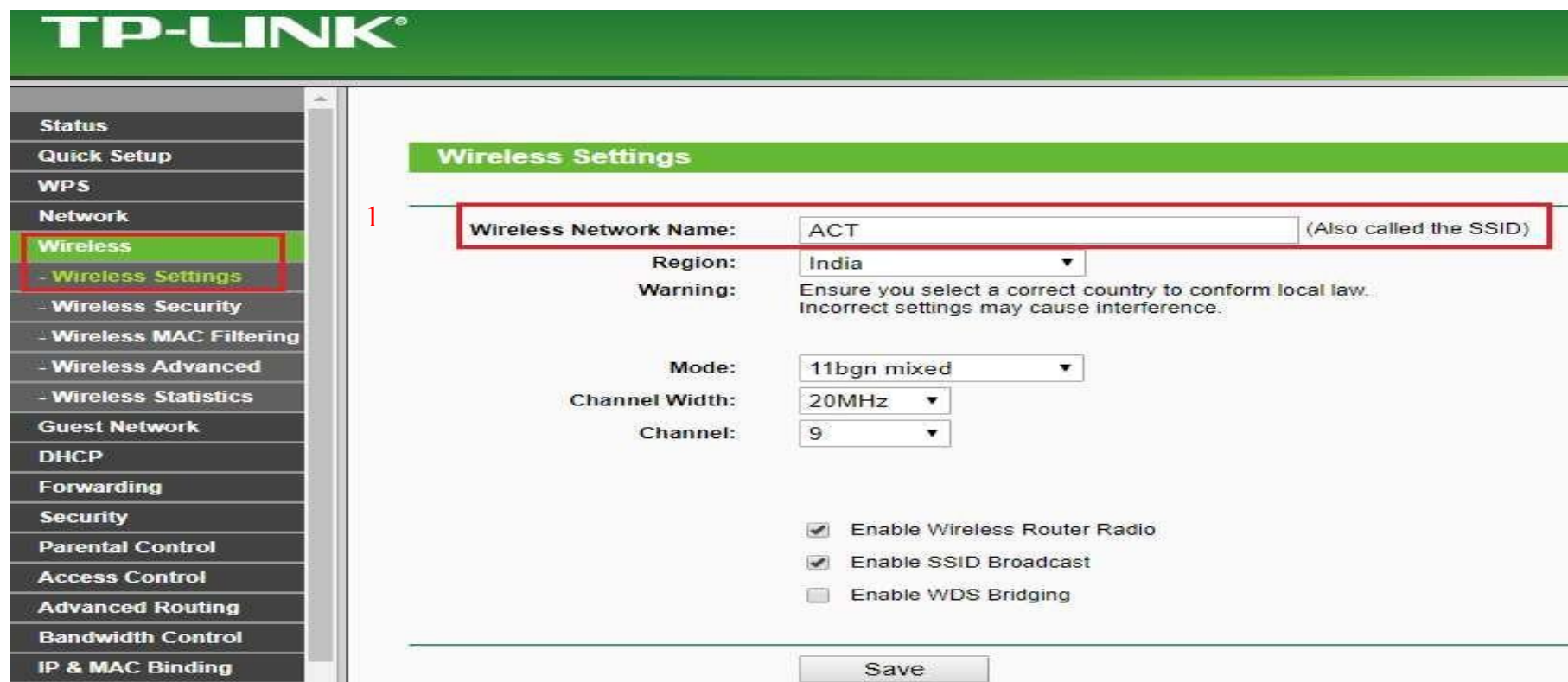


## STEP 4(a): Wi-Fi Connectivity – Router SSID/Password Configuration

Step 1: Type in your preferred Wi-Fi name in SSID(Network name dialog box) Step

2:All the remaining field are set by default

Step 3: click on ok



**TP-LINK®**

**Wireless Settings**

1 **Wireless Network Name:**  (Also called the SSID)

**Region:**

**Warning:** Ensure you select a correct country to conform local law. Incorrect settings may cause interference.

**Mode:**

**Channel Width:**

**Channel:**

Enable Wireless Router Radio

Enable SSID Broadcast

Enable WDS Bridging

## STEP 4(b): Wi-Fi Connectivity –Password Configuration

Step 1: Click on security mode dialog box and select WPA2–PSK(Recommended). Step

2: To configure a wireless Password

Step 3: Click OK



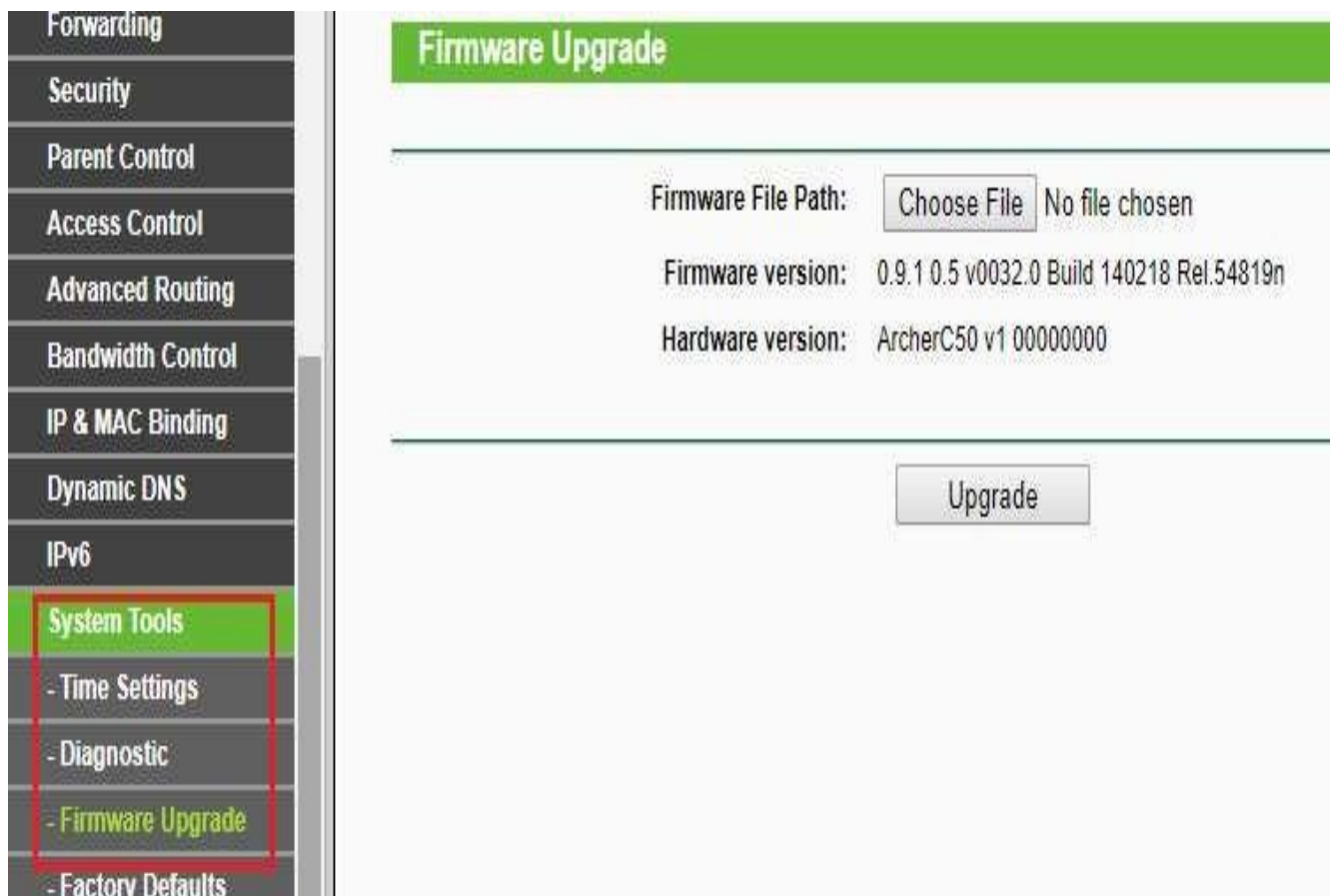
The screenshot shows the TP-LINK web interface for configuring wireless security. The left sidebar contains a navigation menu with the following items: Status, Quick Setup, WPS, Network, **Wireless**, - Wireless Settings, **- Wireless Security**, - Wireless MAC Filtering, - Wireless Advanced, - Wireless Statistics, and Guest Network. The main content area is titled "Wireless Security" and features the following configuration options:

- Disable Security
- 1**  **WPA/WPA2 - Personal(Recommended)**
  - Version: WPA2-PSK
  - Encryption: AES
- 2** Wireless Password: 

(You can enter ASCII characters between 8 and 63 or Hexadecimal characters between 8 and 64.)
- Group Key Update Period:  Seconds

## STEP 5 (As and when required): Firmware upgrade

System Tools > firmware upgrade > upload the new firmware file > upgrade firmware

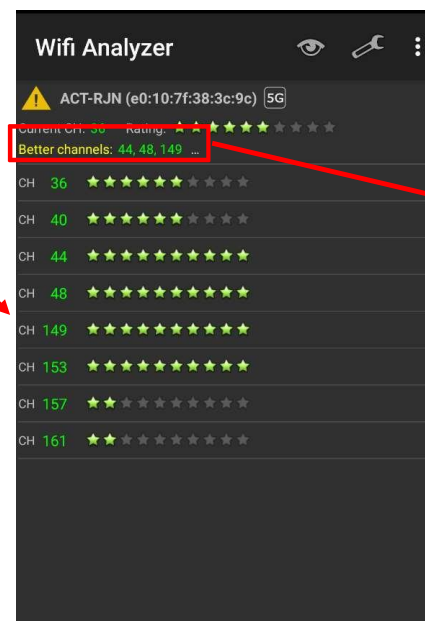
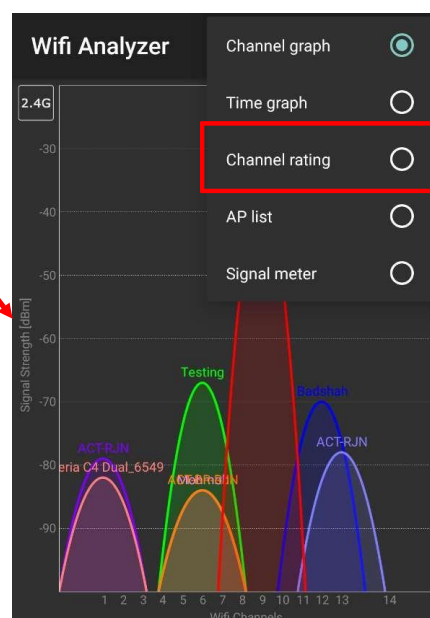
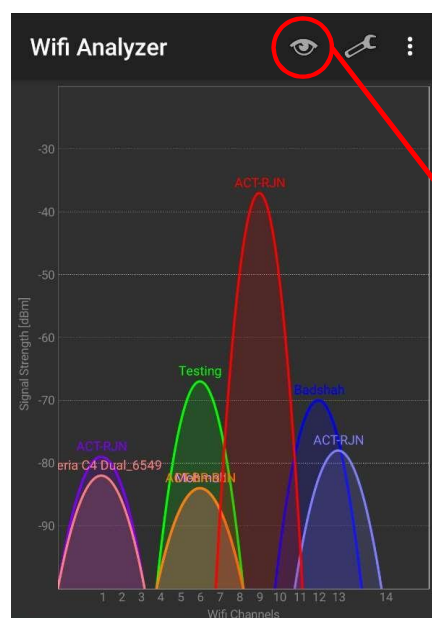


The screenshot displays the 'Firmware Upgrade' configuration page. On the left, a sidebar menu lists various system tools, with 'System Tools' highlighted in green. Below it, 'Firmware Upgrade' is also highlighted in green. The main content area features a green header for 'Firmware Upgrade'. Below the header, there are three rows of information: 'Firmware File Path' with a 'Choose File' button and the text 'No file chosen'; 'Firmware version: 0.9.1 0.5 v0032.0 Build 140218 Rel.54819n'; and 'Hardware version: ArcherC50 v1 00000000'. At the bottom of the page, there is an 'Upgrade' button.

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

## STEP 6: 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) 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
  - 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.