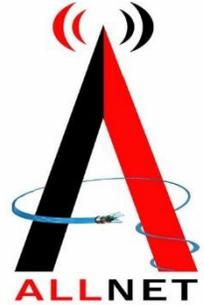


# Configuring a TPLINK Router TP Link TL-WR740N / TL- WR741ND Basic Configuration Steps

# 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 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:192.168.0.1)

```
C:\Users\USER>ipconfig

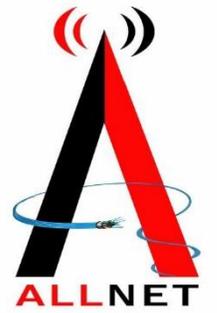
Windows IP Configuration

Wireless LAN adapter Wireless Network Connection:

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

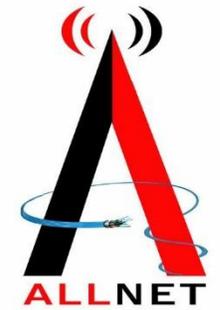
Ethernet adapter Local Area Connection:

    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 ALLNET 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

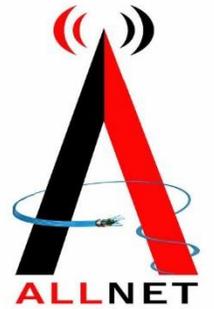


- Open a browser -> Enter the below IP Address in the Address Bar. A login page appears. The usual usernames and passwords are given in the table below.

Router Name	IP Address	Username	Password
Cisco or Linksys	192.168.1.1	admin	admin
D-Link	192.168.0.1	admin	(blank)
<b>TP-Link</b>	<b>192.168.0.1</b>	<b>admin</b>	<b>admin</b>
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.

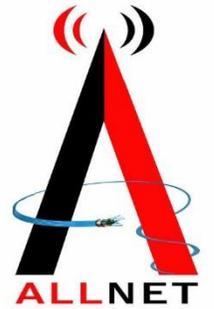
# STEP 3(a): Internet Connectivity – PPPoE Configuration



- 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



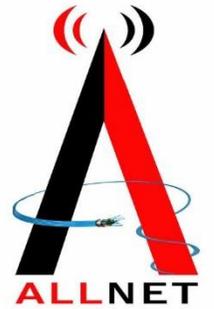
# STEP 3(b): Internet Connectivity – PPPoE Configuration



- 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 Save
- By Default Username & Password is same.

A screenshot of a web-based configuration interface for WAN Settings. The left sidebar contains a menu with items like Status, Quick Setup, Operation Mode, Network, Wireless, Guest Network, DHCP, Forwarding, Security, Parental Controls, Access Control, Advanced Routing, Bandwidth Control, IP & MAC Binding, Dynamic DNS, IPv6, System Tools, and Logout. The 'Network' section is expanded, showing sub-items: - WAN (highlighted with a red box), - LAN, - IPTV, and - MAC Clone. The main content area is titled 'WAN Settings' and contains several configuration options: 'Connection Type' is set to 'PPPoE' with a 'Detect' button; 'PPP Username' is 'Allnet', 'PPP Password' and 'Confirm password' are masked with dots (all three fields are enclosed in a red box); 'Secondary Connection' has radio buttons for 'Disabled' (selected), 'Dynamic IP', and 'Static IP (For Dual Access)'; 'Connection Mode' has radio buttons for 'Always on' (selected), 'Connect on demand', and 'Connect manually'; 'Max Idle Time' is set to '15 minutes (0 meaning connection remains active at all times)'; 'Authentication Type' is set to 'AUTO\_AUTH'. At the bottom, there are 'Connect', 'Disconnect', and 'Connecting...' buttons, and a 'Save' button (enclosed in a red box) at the very bottom. An 'Advance' dropdown menu is also visible.

# STEP 3(c): Internet Connectivity – PPPoE Service Name



- Step 1: After the Save. Click Advance Option to enter service name.
- Step 2: Enter the Service Name.
- Step 3: Click on Save.

The screenshot displays the router's configuration interface for PPPoE. On the left, a navigation menu is visible with 'Network' highlighted in yellow and '- WAN' highlighted in red. The main configuration area includes the following fields and options:

- Confirm password: [password field]
- Secondary Connection:  Disabled  Dynamic IP  Static IP (For Dual Access)
- Connection Mode:  Always on  Connect on demand  Connect manually
- Max Idle Time: 15 minutes (0 meaning connection remains active at all times)
- Authentication Type: AUTO\_AUTH
- Buttons: Connect, Disconnect, Connecting...
- Service Name: [\*\*\*\*] (do not change unless necessary) - This field is highlighted with a red box.
- Server Name: [ ] (do not change unless necessary)
- MTU(Bytes): 1480 (1480 as default, do not change unless necessary)
- Use IP address specified by ISP:
- Echo request interval: 0 (0-120 seconds, 0 meaning no request)
- Set DNS server manually:
- Buttons: Hide ^
- Save button - This button is highlighted with a red box.



## 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). Region Select Asia.
- Step 2: All the remaining field are set by default.
- Step 3: click on Save.

**Wireless Settings**

**Wireless Network Name:** TP-LINK\_37DE50 (Also called the SSID)

**Region:** United States

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

**Mode:** 11bgn mixed

**Channel Width:** Auto

**Channel:** Auto

**Max Tx Rate:** 300Mbps

Please use the WiFi button on this device to enable/disable radio.

Enable Wireless Router Radio

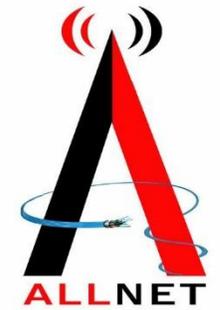
Enable SSID Broadcast

Enable WDS Bridging

**Save**

# 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 Save.



**Wireless Security**

Disable Security

**WPA/WPA2 - Personal(Recommended)**

Version: WPA2-PSK

Encryption: AES

Wireless Password: create your own password  
(You can enter ASCII characters between 8 and 63 characters)

Group Key Update Period: 0 Seconds (Keep it default if you don't know)

WPA/WPA2 - Enterprise

Version: Automatic

Encryption: Automatic

Radius Server IP:

Radius Port: 1812 (1-65535, 0 stands for default port)

Radius Password:

Group Key Update Period: 0 (in second, minimum is 30)

# STEP 5 : Reboot

- After done the configuration.
- Reboot the router.

A screenshot of the TP-LINK web management interface for a 300M Wireless N Router (Model No. TL-WR841N / TL-WR841ND). The interface shows the 'Restart' button highlighted in green, and a progress bar indicating the router is 'Restarting...' at 55%. The left sidebar menu has 'System Tools' and 'Reboot' highlighted with red boxes. The right sidebar contains 'Reboot Help' information.

**TP-LINK®** 300M Wireless N Router  
Model No. TL-WR841N / TL-WR841ND

**Restart**

Restarting...

55%

**System Tools**

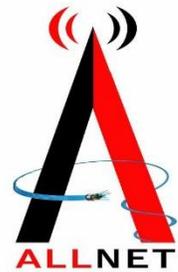
- Time Settings
- Diagnostic
- Firmware Upgrade
- Factory Defaults
- Backup & Restore
- **Reboot**
- Password
- System Log
- Statistics
- Logout

**Reboot Help**

Click the **Reboot** button to reboot this device.

Some settings of this device will take effect only after rebooting, which include:

- Change the LAN IP Address (system will reboot automatically).
- Change the DHCP Settings.
- Change the Web Management Port.
- Upgrade the firmware of this device (system will reboot automatically).
- Restore this device's settings to the factory defaults (system will reboot automatically).
- Update the configuration with the file (system will reboot automatically).



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

- System Tools > 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.

The screenshot displays the 'Firmware Upgrade' configuration page. On the left, a navigation menu lists various system settings, with 'System Tools' selected and highlighted in green. A red rectangular box encloses the 'System Tools' menu item and its sub-items: '- Time Settings', '- Diagnostic', '- Firmware Upgrade', and '- Factory Defaults'. The main content area features a green header for 'Firmware Upgrade'. Below this, there are three rows of information: 'Firmware File Path' with a 'Choose File' button and 'No file chosen' text; '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 a single 'Upgrade' button.