Configuring a TPLINK Router

TP Link Archer AC1200 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, connect one end of LAN cable to the LAN port (1-4) of the router (any one port) and one end to the PC or Laptop.
- In the system press window 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)
**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 and Enter the below IP Address in the Address Bar. A login page appears. The usual usernames and passwords are given in the table below.

<table>
<thead>
<tr>
<th>Router Name</th>
<th>IP Address</th>
<th>Username</th>
<th>Password</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cisco or Linksys</td>
<td>192.168.1.1</td>
<td>admin</td>
<td>admin</td>
</tr>
<tr>
<td>D-Link</td>
<td>192.168.0.1</td>
<td>admin</td>
<td>(blank)</td>
</tr>
<tr>
<td>TP-Link</td>
<td>192.168.0.1</td>
<td>admin</td>
<td>admin</td>
</tr>
<tr>
<td>Net gear</td>
<td>192.168.1.1</td>
<td>admin</td>
<td>password</td>
</tr>
<tr>
<td>Belkin</td>
<td>192.168.2.1</td>
<td>Click on Login in Home</td>
<td>(blank)</td>
</tr>
<tr>
<td>Tenda</td>
<td>192.168.0.1</td>
<td>admin</td>
<td>admin</td>
</tr>
<tr>
<td>i-Ball Baton</td>
<td>192.168.1.1</td>
<td>admin</td>
<td>admin</td>
</tr>
<tr>
<td>Digisol</td>
<td>192.168.2.1</td>
<td>admin</td>
<td>1234 or admin</td>
</tr>
<tr>
<td>Asus</td>
<td>192.168.1.1</td>
<td>admin</td>
<td>admin</td>
</tr>
</tbody>
</table>

• 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 (admin/password)
**STEP 3(b): Internet Connectivity – PPoE Configuration**

Step 1: Select the PPoE and click next  
Step 2: Enter the portal username in the PPoE username field  
Step 3: Enter the portal password in the PPoE password  
Step 4: Click on Save

<table>
<thead>
<tr>
<th>#</th>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Internet Connection Type:</td>
<td>PPoE</td>
</tr>
<tr>
<td>2</td>
<td>Username:</td>
<td>ppeus3</td>
</tr>
<tr>
<td>3</td>
<td>Password:</td>
<td>**********</td>
</tr>
</tbody>
</table>

*Note: If you are not sure about which Internet Connection Type you have, use Auto Detect or contact your Internet Service Provider (ISP) for assistance.*
**STEP 4: Wi-Fi Connectivity – Router SSID/Password Configuration**

Step 1: Type in your preferred Wi-Fi name in SSID (Network name dialog box) and give different name for both 2.4 GHz & 5 GHz.
Step 2: Type in your desired password
Step 3: click on Save
STEP 5 (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.
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 13
  - 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.