



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 coloured 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  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

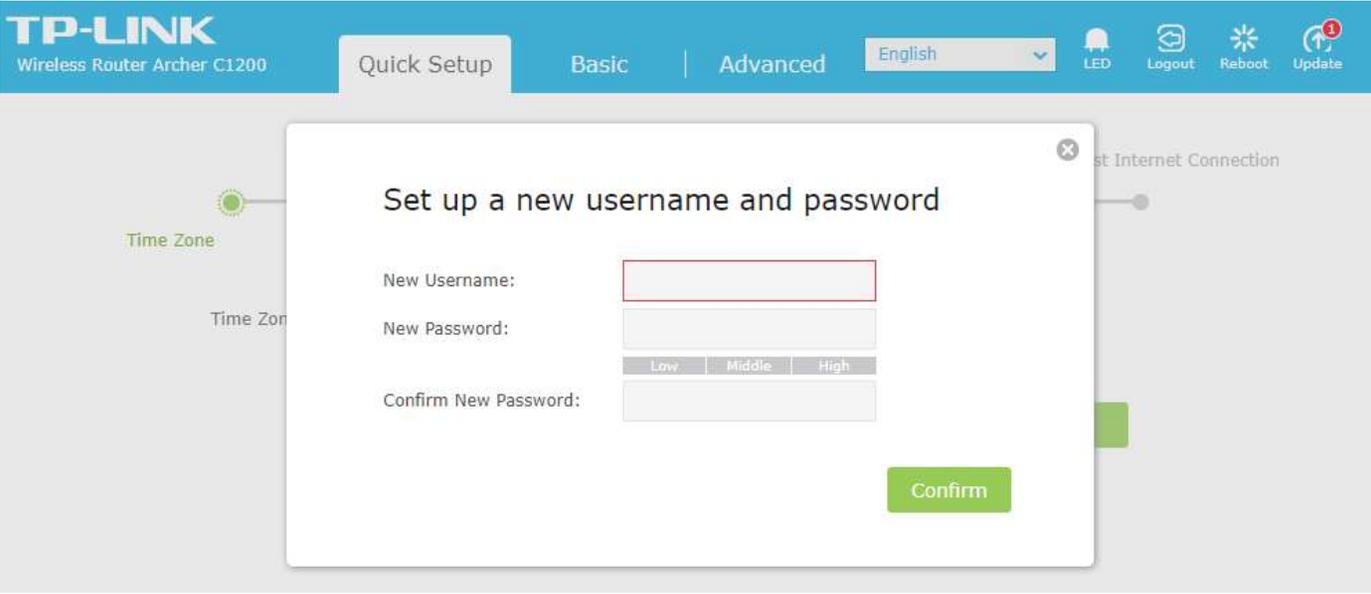
- If all the above credentials do not work, please check the back of the router where the username and password will be mentioned.

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 (admin/password)



The screenshot displays the TP-LINK Archer C1200 router's configuration interface. The top navigation bar includes 'Quick Setup', 'Basic', and 'Advanced' tabs, along with a language dropdown set to 'English' and utility icons for LED, Logout, Reboot, and Update. A modal dialog box titled 'Set up a new username and password' is centered on the screen. It contains three input fields: 'New Username:', 'New Password:', and 'Confirm New Password:'. The 'New Password:' field has a strength indicator with 'Low', 'Middle', and 'High' options. A green 'Confirm' button is located at the bottom right of the dialog box. The background shows the 'Internet Connection' section of the configuration page.

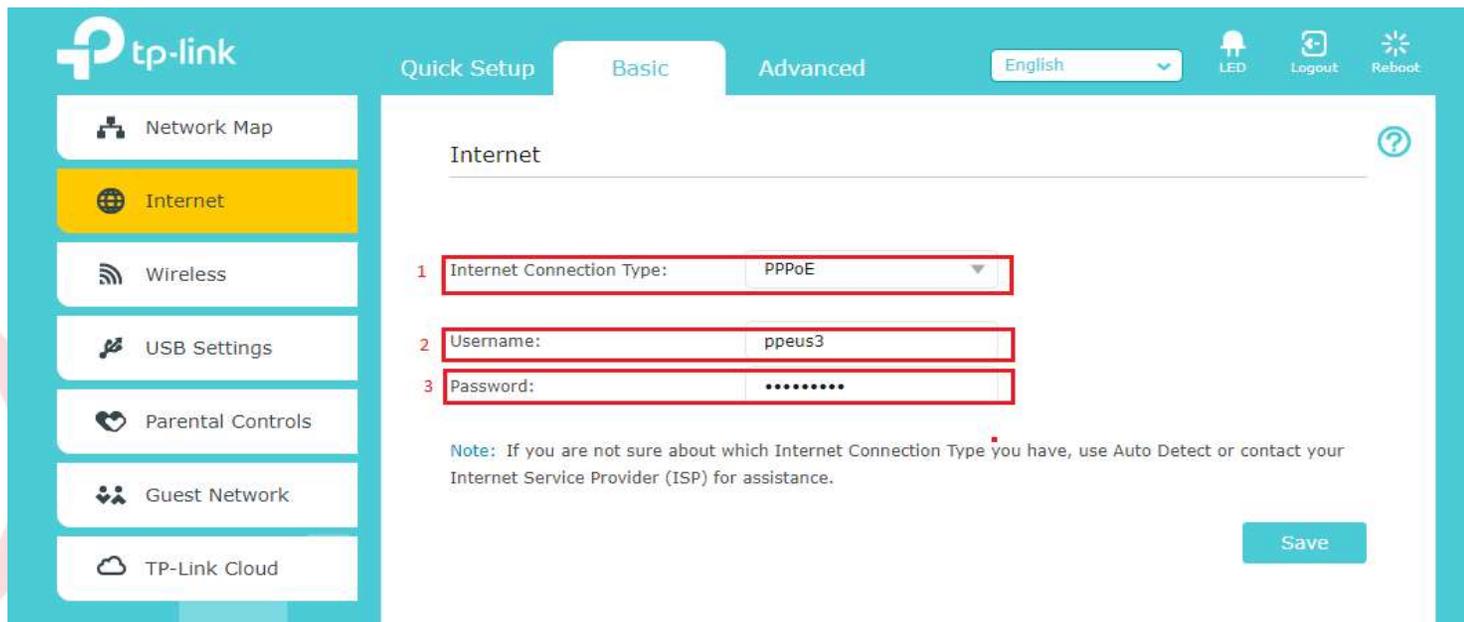
STEP 3(b): Internet Connectivity – PPPoE Configuration

Step 1: Select the PPPOE and click next

Step 2: Enter the portal username in the PPPoE username field

Step 3: Enter the portal password in the PPPoE password

Step 4: Click on Save



The screenshot shows the TP-Link web interface for configuring Internet connectivity. The 'Internet' tab is selected, and the 'Internet Connection Type' is set to 'PPPoE'. The 'Username' field contains 'ppeus3' and the 'Password' field contains masked characters. A 'Save' button is visible at the bottom right.

Internet

1 Internet Connection Type: PPPoE

2 Username: ppeus3

3 Password:

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.

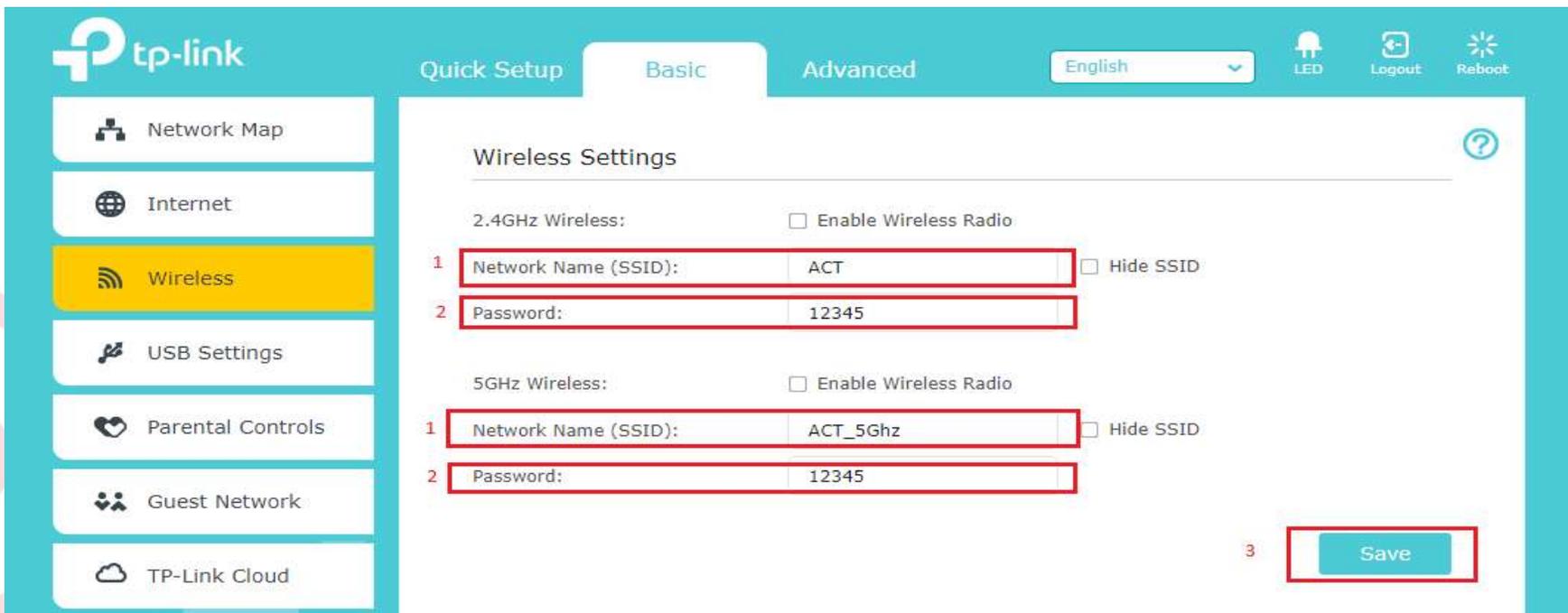
Save

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 2.4Ghz & 5Ghz.

Step 2: Type in your desired password

Step 3: click on Save



tp-link

Quick Setup Basic Advanced English LED Logout Reboot

Network Map

Internet

Wireless

USB Settings

Parental Controls

Guest Network

TP-Link Cloud

Wireless Settings

2.4GHz Wireless: Enable Wireless Radio

1 Network Name (SSID): ACT Hide SSID

2 Password: 12345

5GHz Wireless: Enable Wireless Radio

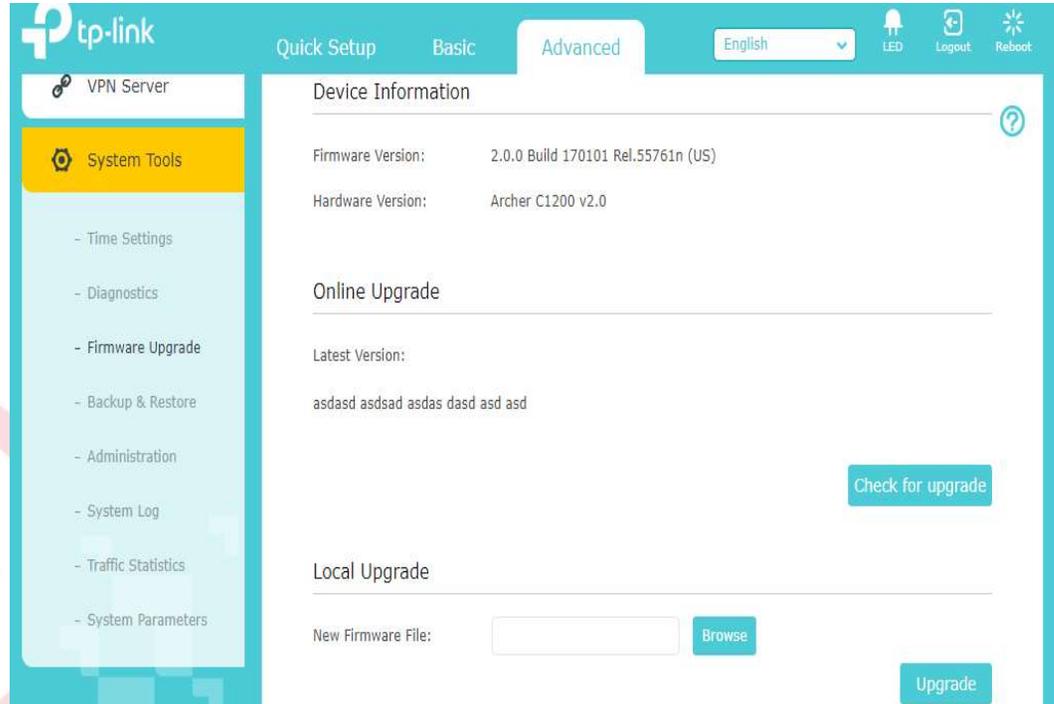
1 Network Name (SSID): ACT_5Ghz Hide SSID

2 Password: 12345

3 Save

STEP 5 (As and when required): Firmware upgrade

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

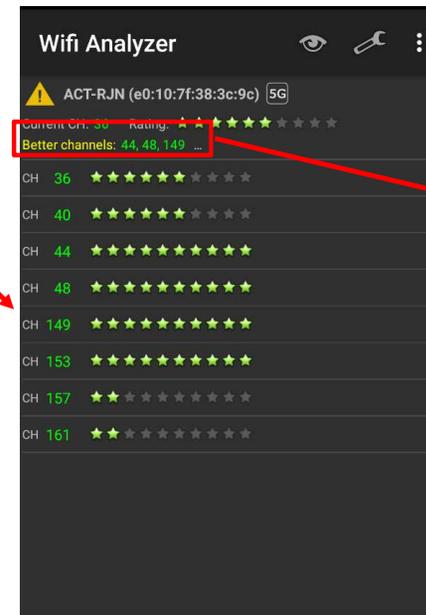
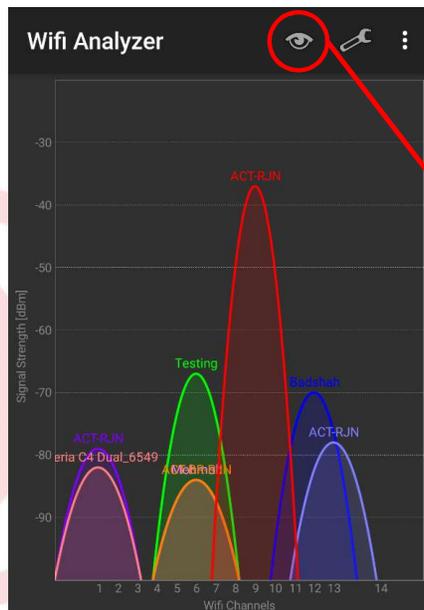


The screenshot displays the TP-Link web interface for a device. The top navigation bar includes 'Quick Setup', 'Basic', and 'Advanced' tabs, with 'Advanced' selected. A language dropdown is set to 'English'. The left sidebar shows 'System Tools' as the active menu, with sub-items: Time Settings, Diagnostics, Firmware Upgrade, Backup & Restore, Administration, System Log, Traffic Statistics, and System Parameters. The main content area is divided into three sections: 'Device Information' (Firmware Version: 2.0.0 Build 170101 Rel.55761n (US), Hardware Version: Archer C1200 v2.0), 'Online Upgrade' (Latest Version: asdasd asdsad asdas dasd asd asd, with a 'Check for upgrade' button), and 'Local Upgrade' (New Firmware File: with a 'Browse' button, and 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 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.