

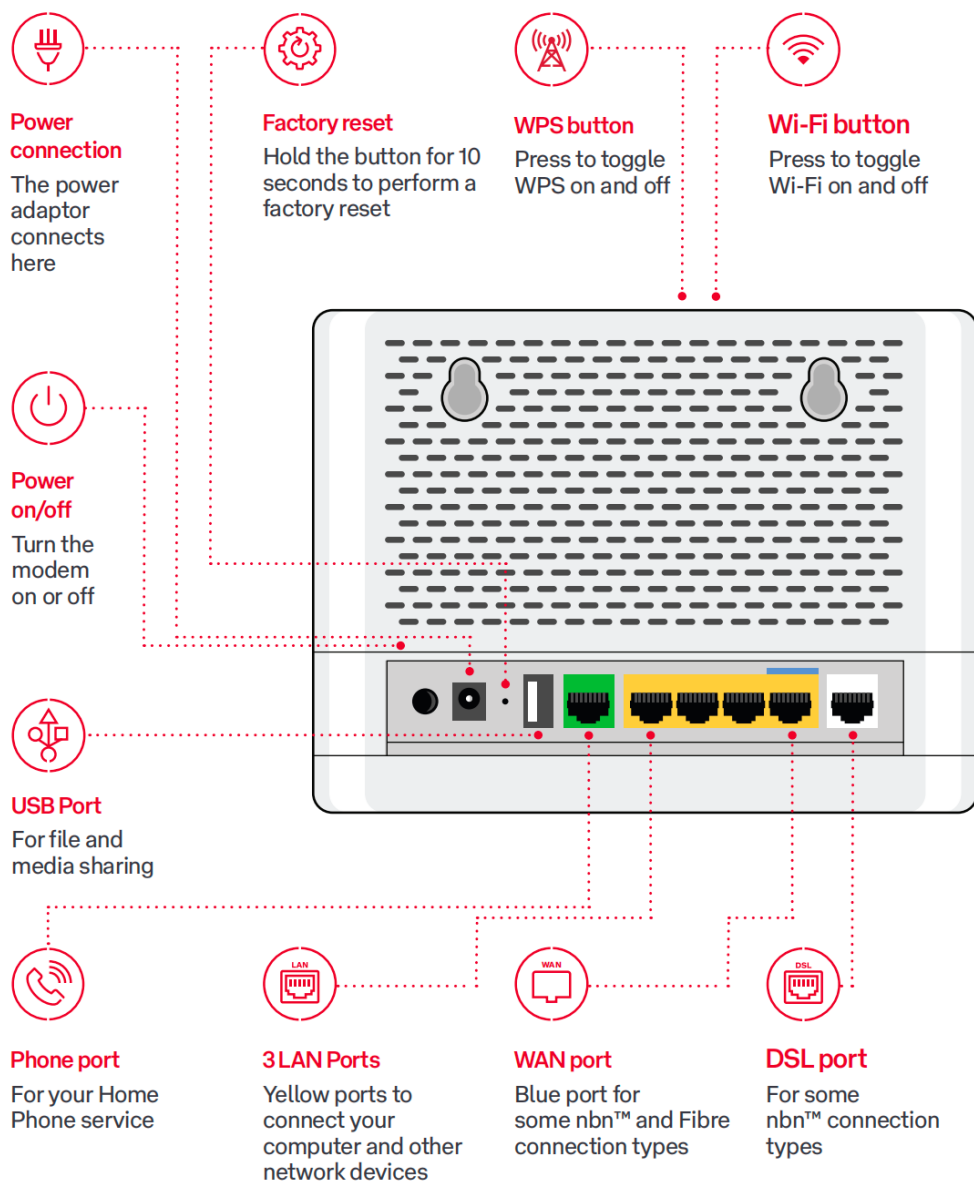
TP-Link-VX230v AX1800 Configuration Guide

V1.1



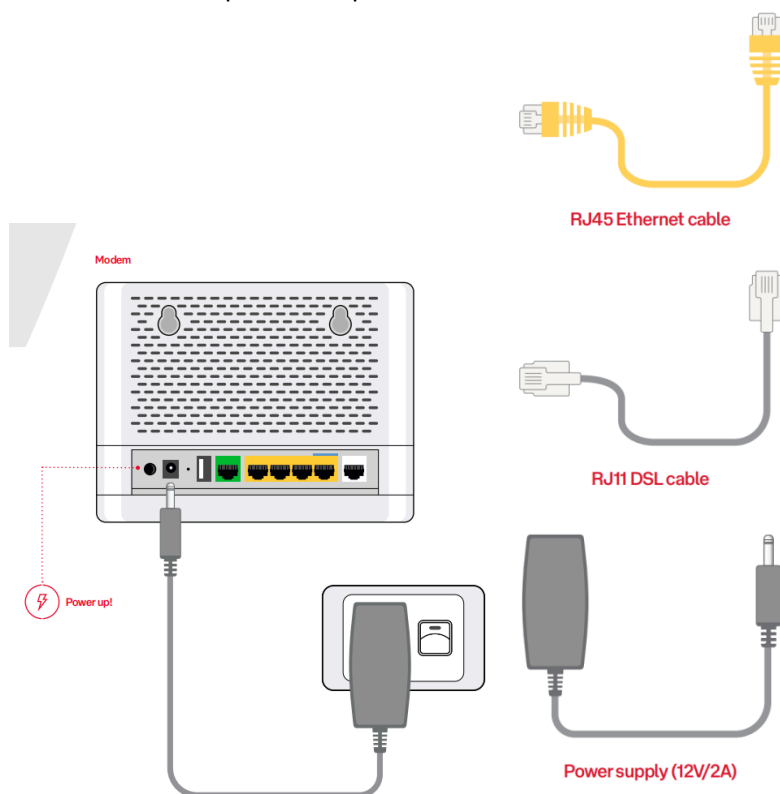
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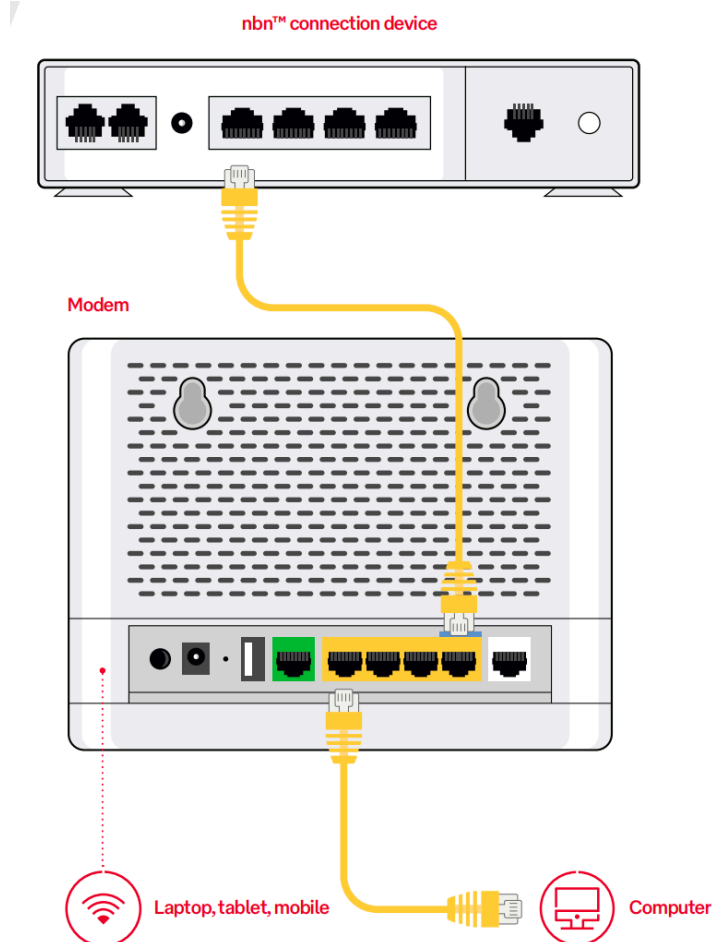


1 Connect Router

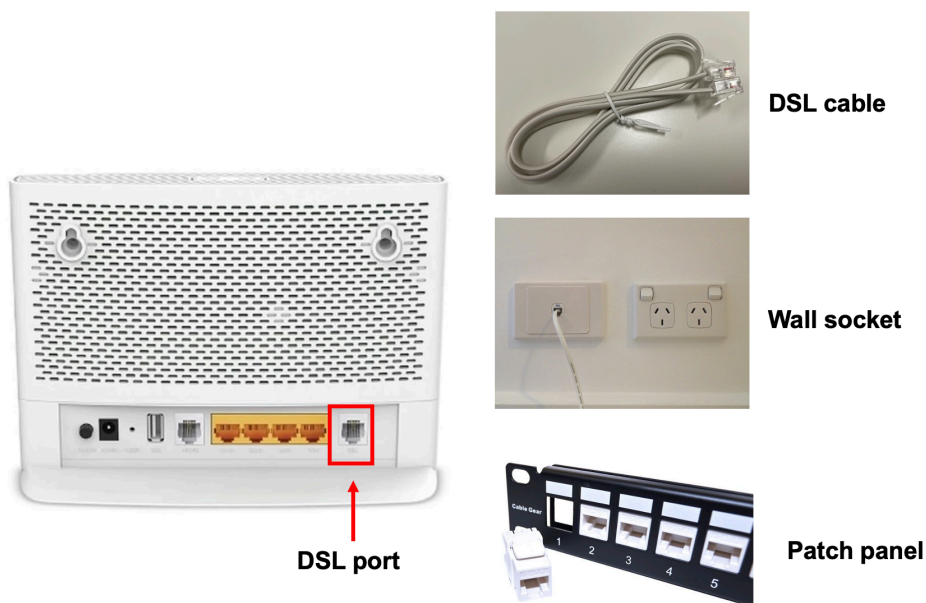
1.1 Power up the router with the power adapter.



1.2 For FTTP network type, Connect the **WAN port** to the **LAN 1/UNID1 port** of the Fiber Box (i.e., NBN box) via the **Ethernet cable**.



- 1.1 For FTTN/B network type, Connect the **DSL port** to the patch panel or **wall socket** via the **DSL cable (telephone / RJ12)**.

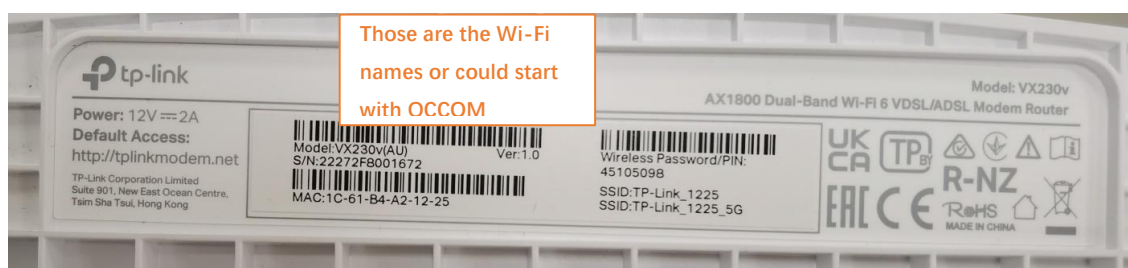
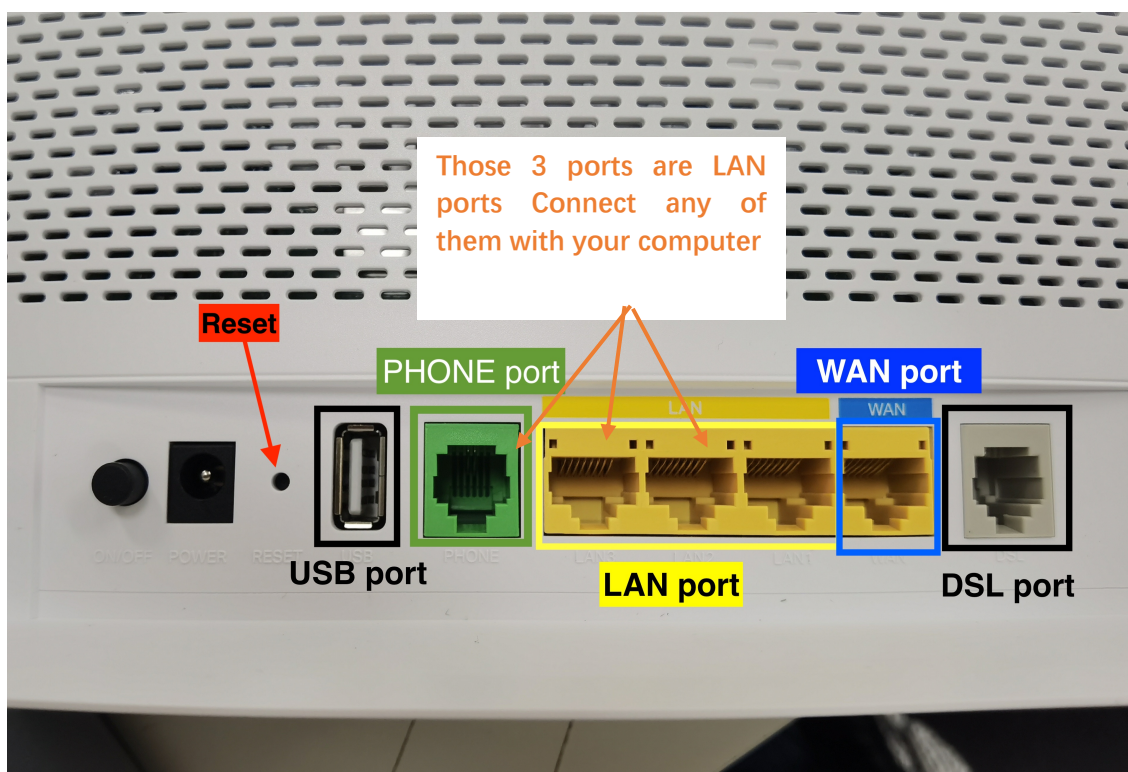


2 Router Setup

There are two methods to connect with your router:

1. **Option one - Ethernet cable connection:** Connect the **laptop/PC** to any of **LAN ports** (1 – 3 of router) via **Ethernet cable**.
2. **Option two - Wi-Fi Connection:** Connect your **device** (laptop, iPad, or spare phone) to the Wi-Fi.

*How to check the Wi-Fi detail: Use SSID and Wireless password on **back of the router**.

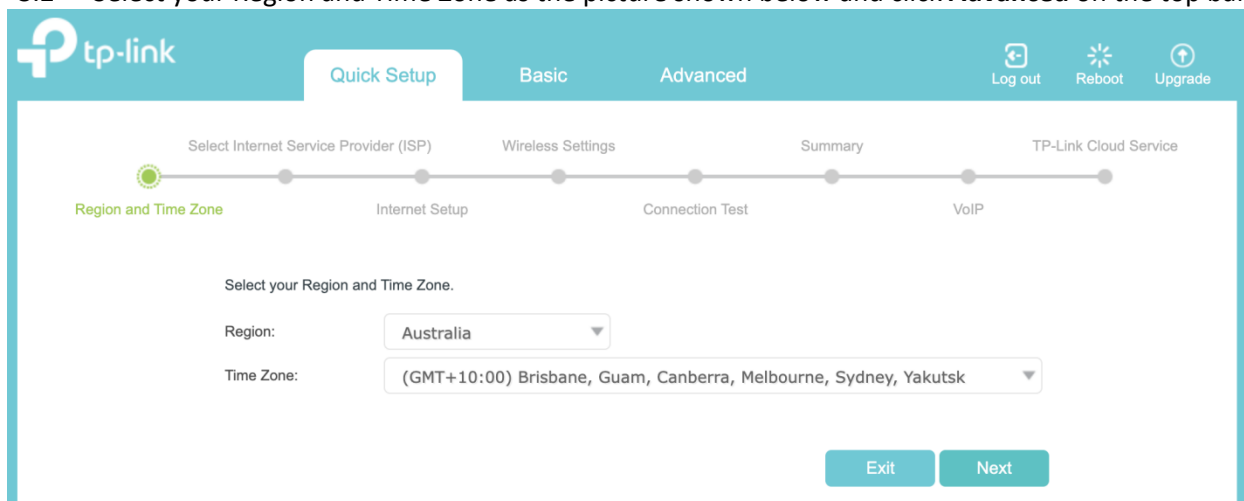


3 Router Configuration

- 3.1 Open the Internet browser (e.g., Google Chrome, Safari, etc.) and input <http://192.168.0.1/> in the address bar to visit the router's configuration page. Input the login password "Occom_1234" and confirm the password by inputting the same password again.

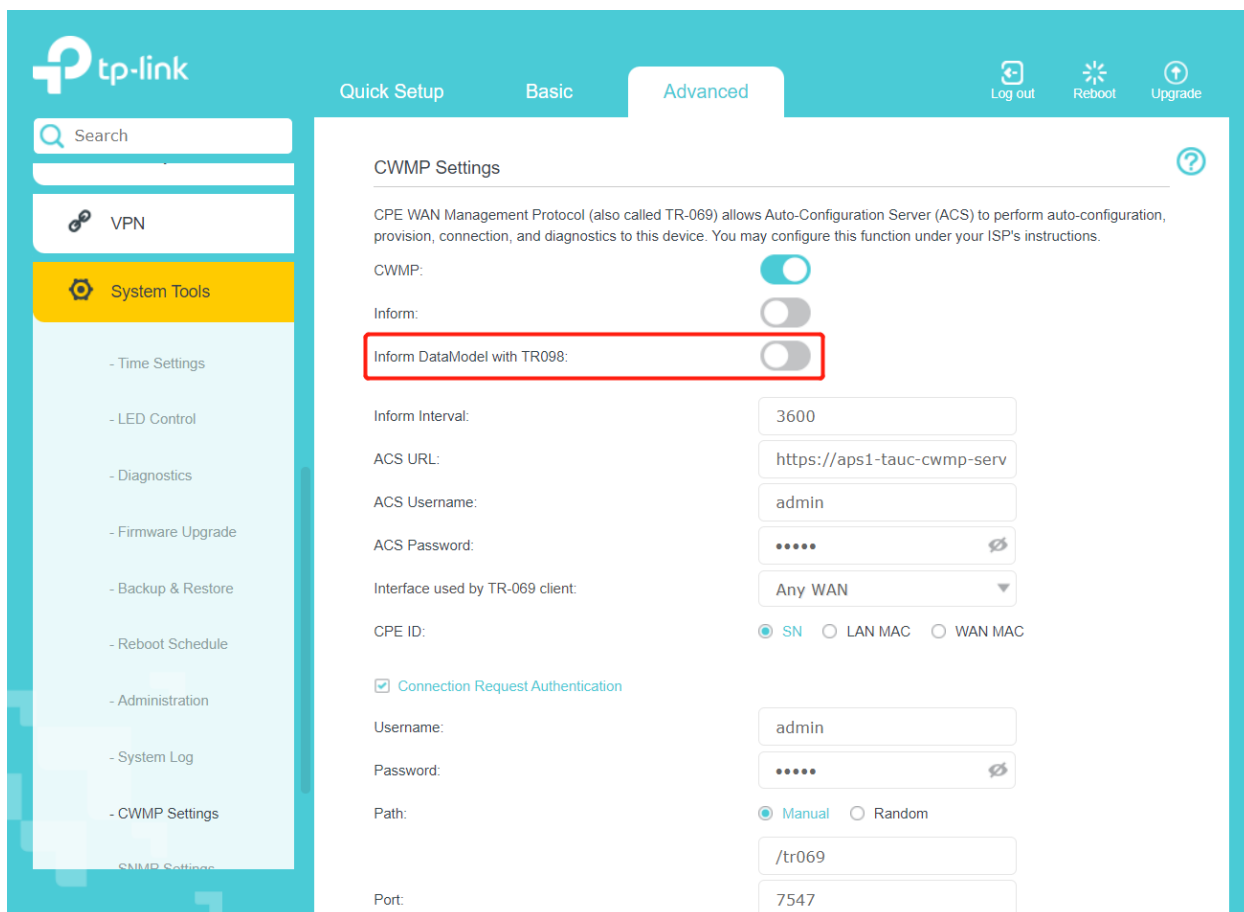
Note: If the router has already been pre-configured by Occom, the default password for this router is: Occom_1234.

3.2 Select your Region and Time Zone as the picture shown below and click **Advanced** on the top bar.



The screenshot shows the TP-Link Quick Setup Wizard interface. At the top, there is a teal header with the TP-Link logo on the left and navigation links for 'Quick Setup', 'Basic', and 'Advanced' in the center. On the right side of the header are links for 'Log out', 'Reboot', and 'Upgrade'. Below the header, a progress bar indicates the current step: 'Region and Time Zone' (highlighted in green), followed by 'Internet Setup', 'Wireless Settings', 'Connection Test', 'Summary', and 'TP-Link Cloud Service'. The main content area prompts the user to 'Select your Region and Time Zone.' It features two dropdown menus: 'Region:' with 'Australia' selected, and 'Time Zone:' with '(GMT+10:00) Brisbane, Guam, Canberra, Melbourne, Sydney, Yakutsk' selected. At the bottom right of the form are two buttons: 'Exit' and 'Next'.

3.3 Select **CWMP Settings** under **System Tools** on the left bar, disable/turn off the “**Inform DataModel with TR098**” function, and click **Save**.



The screenshot shows the TP-Link web interface with the 'Advanced' tab selected. The 'CWMP Settings' section is visible, and the 'Inform DataModel with TR098' option is highlighted with a red box. The settings include fields for Inform Interval, ACS URL, ACS Username, ACS Password, Interface used by TR-069 client, CPE ID, Connection Request Authentication, Username, Password, Path, and Port.

TP-Link

Quick Setup Basic **Advanced** Log out Reboot Upgrade

Search

VPN

System Tools

- Time Settings
- LED Control
- Diagnostics
- Firmware Upgrade
- Backup & Restore
- Reboot Schedule
- Administration
- System Log
- CWMP Settings

CWMP Settings

CPE WAN Management Protocol (also called TR-069) allows Auto-Configuration Server (ACS) to perform auto-configuration, provision, connection, and diagnostics to this device. You may configure this function under your ISP's instructions.

CWMP: ☒

Inform: ☐

Inform DataModel with TR098: ☒

Inform Interval: 3600

ACS URL: https://aps1-tauc-cwmp-serv

ACS Username: admin

ACS Password: *****

Interface used by TR-069 client: Any WAN

CPE ID: ☒ SN ☐ LAN MAC ☐ WAN MAC

☒ Connection Request Authentication

Username: admin

Password: *****

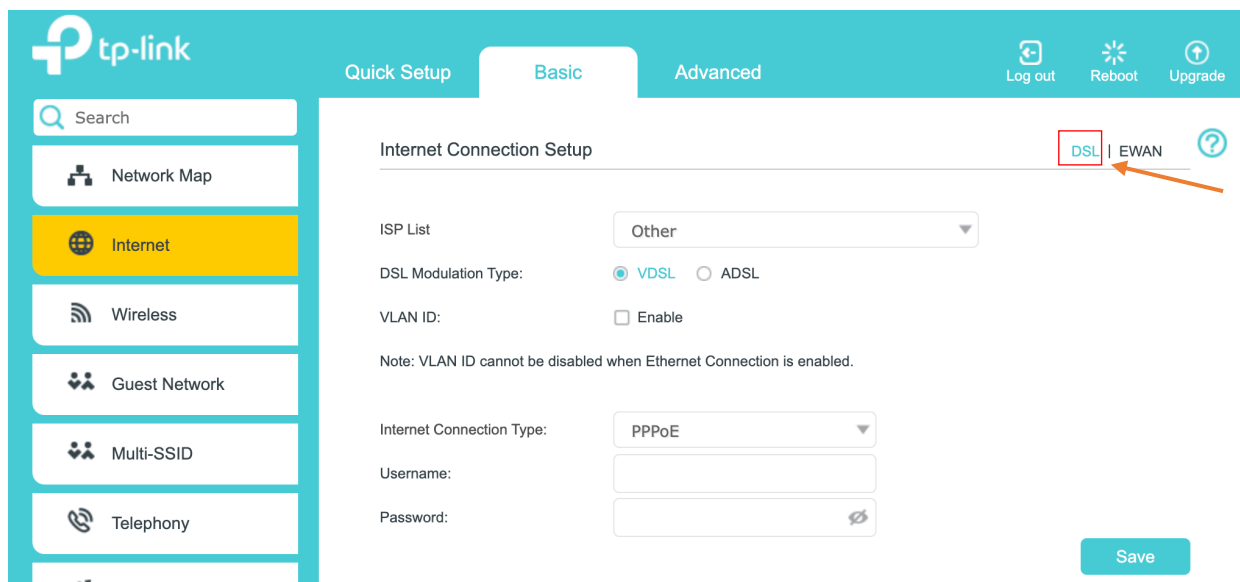
Path: ☒ Manual ☐ Random

/tr069

Port: 7547

3.4 Select **Basic** on the top bar and input the PPPoE information.

- 3.4.1 For **FTTN/B** Network type, select **DSL** on the top right corner, and choose **PPPoE** under the **Internet Connection Type**.



TP-Link Web Interface - Basic Setup Tab

Internet Connection Setup

ISP List: Other

DSL Modulation Type: ☒ VDSL ☐ ADSL

VLAN ID: ☐ Enable

Note: VLAN ID cannot be disabled when Ethernet Connection is enabled.

Internet Connection Type: PPPoE

Username:

Password:

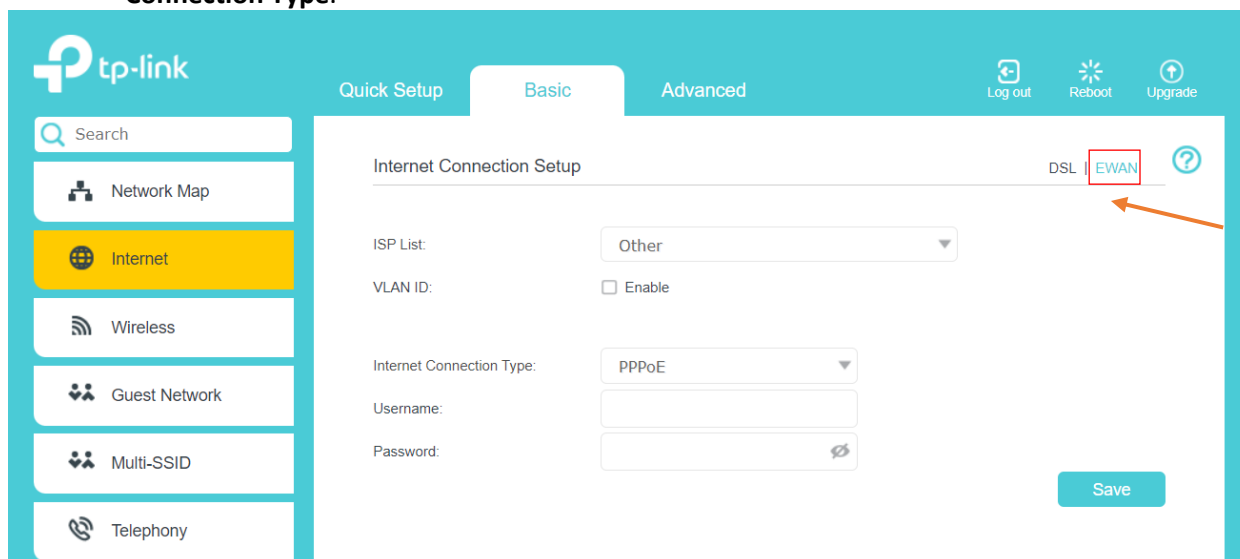
Save

Navigation: Quick Setup | **Basic** | Advanced | Log out | Reboot | Upgrade

Left Sidebar: Network Map | **Internet** | Wireless | Guest Network | Multi-SSID | Telephony

Top Right: DSL | **EWAN** | ?

- 3.4.2 For **FTTP** Network type, select **EWAN** on the top right corner, and choose **PPPoE** under the **Internet Connection Type**.



TP-Link Web Interface - Basic Setup Tab

Internet Connection Setup

ISP List: Other

VLAN ID: ☐ Enable

Internet Connection Type: PPPoE

Username:

Password:

Save

Navigation: Quick Setup | **Basic** | Advanced | Log out | Reboot | Upgrade

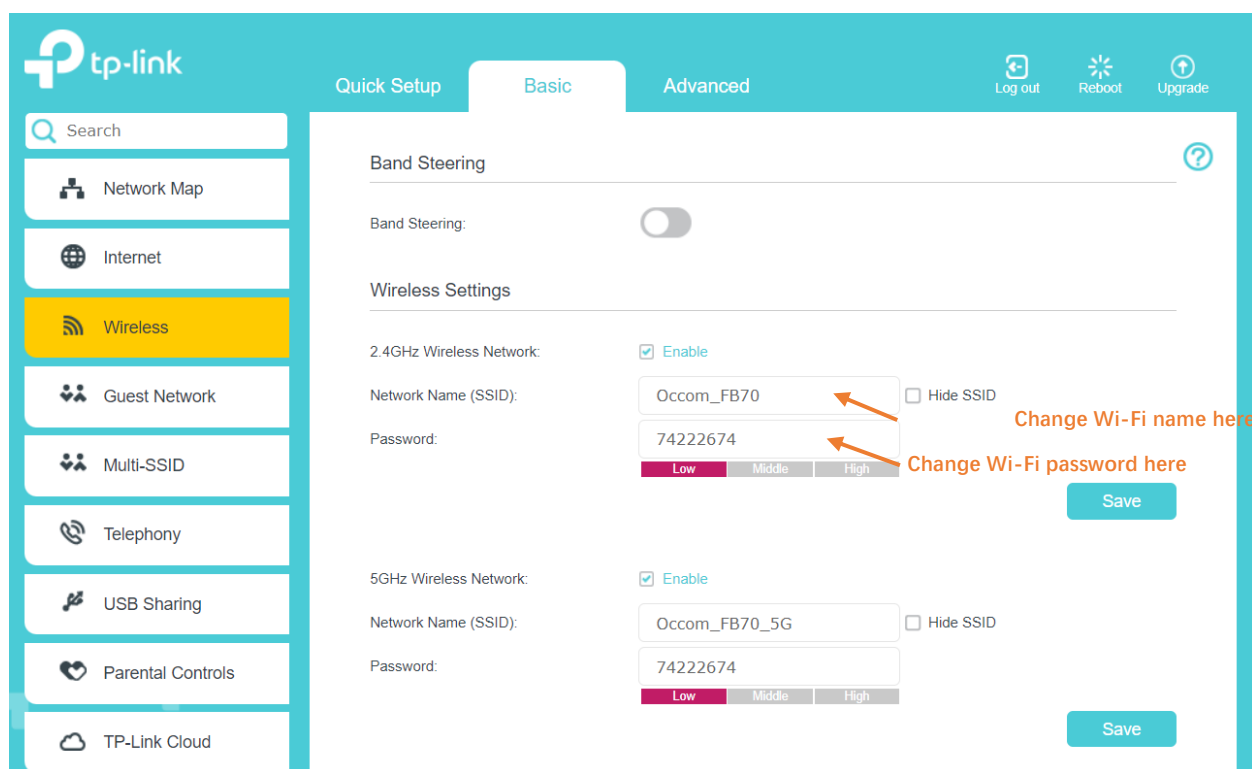
Left Sidebar: Network Map | **Internet** | Wireless | Guest Network | Multi-SSID | Telephony

Top Right: DSL | **EWAN** | ?

- 3.5 Input the PPPoE username and password provided by us, then click "**Save**". You can find these username and password in the Service Activation Notice Email.
- 3.6 After a while, the third light (internet light) on the left light of your router is solid green which means you can access the Internet now.

4 Optional: Change your Wi-Fi name (SSID) and password

- 4.1 Select **Wireless** under **Basic**. You can enter your preferred Wi-Fi name and password in this page. Click **Save** after changing.



The screenshot shows the TP-Link Basic Setup page. The 'Wireless' tab is selected in the left sidebar. The 'Wireless Settings' section is expanded, showing settings for both 2.4GHz and 5GHz networks. The 2.4GHz network is named 'Occom_FB70' and the 5GHz network is named 'Occom_FB70_5G'. Both networks have the password '74222674'. The 'Band Steering' toggle is turned off. The 'Save' button is visible at the bottom right of the settings section.

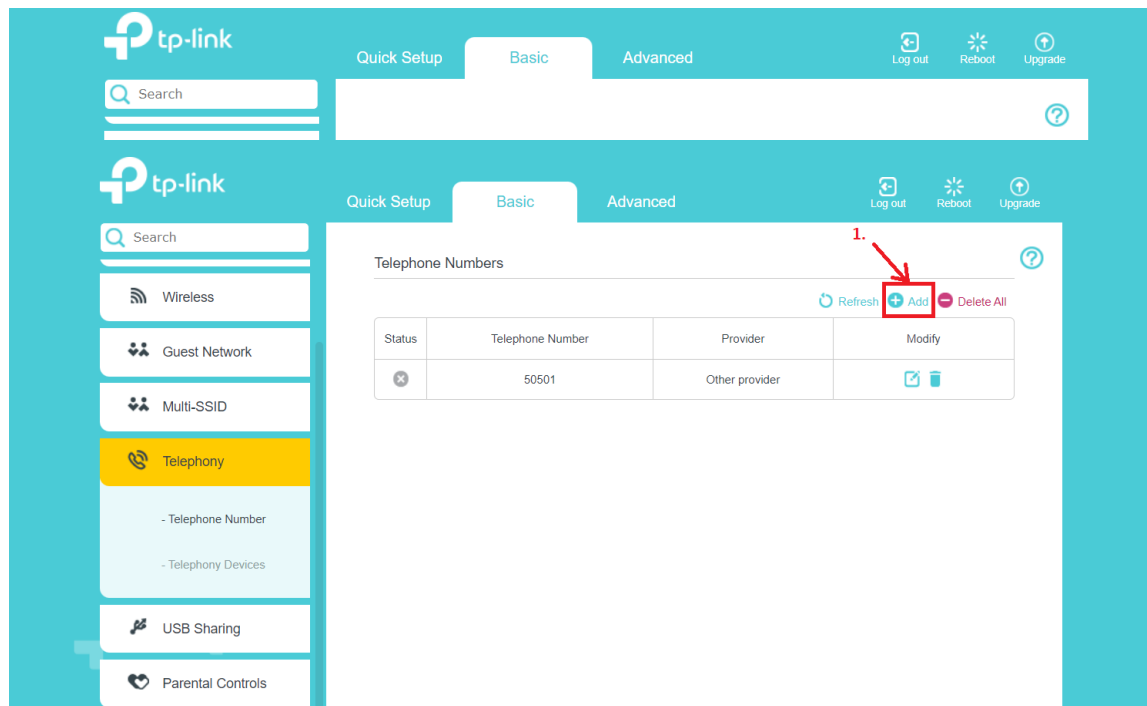
***Note:** Because this is a dual band router, so it has 2 bands 2.4GHz and 5GHz. The settings in 2.4GHz and 5GHz are same.

***Careful:** Once you change your Wi-Fi name or password, your device needs to reconnect with Wi-Fi by using the new Wi-Fi name and password.

5 Add telephony service: How to add a telephone service/number to your router

5.1 Under **basic** tab, look for **Telephony** on the left pane and click on it.

5.2 It opens up a two level menu. Click on the **Telephone Number** button as shown below.



5.3
Click on the **Add** button as shown in the figure below.

5.4 Select **Other provider** from the drop down menu for **Telephony** Provider, for the step 1 in the figure below.

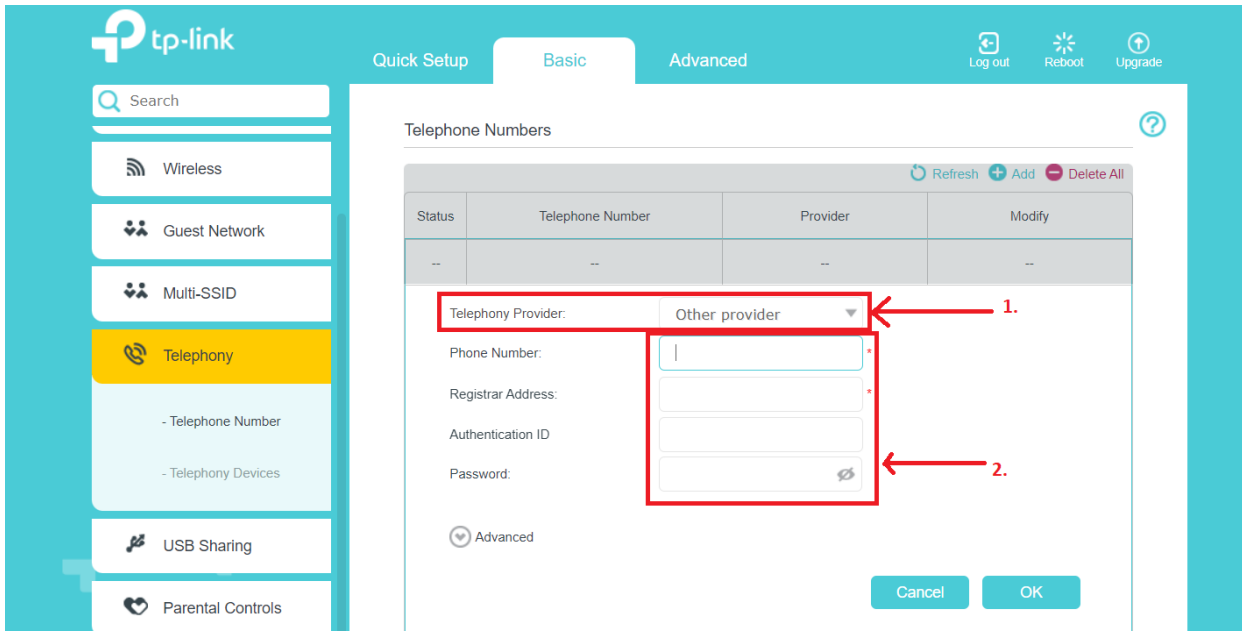
5.5 Insert the phone number provided by your provider.

5.6 The **Registrar Address** is same as the domain address provided by your internet service provider:
sipproxy.occom.com.au

5.7 The **Authentication ID** is same as the phone number provided by your service provider.

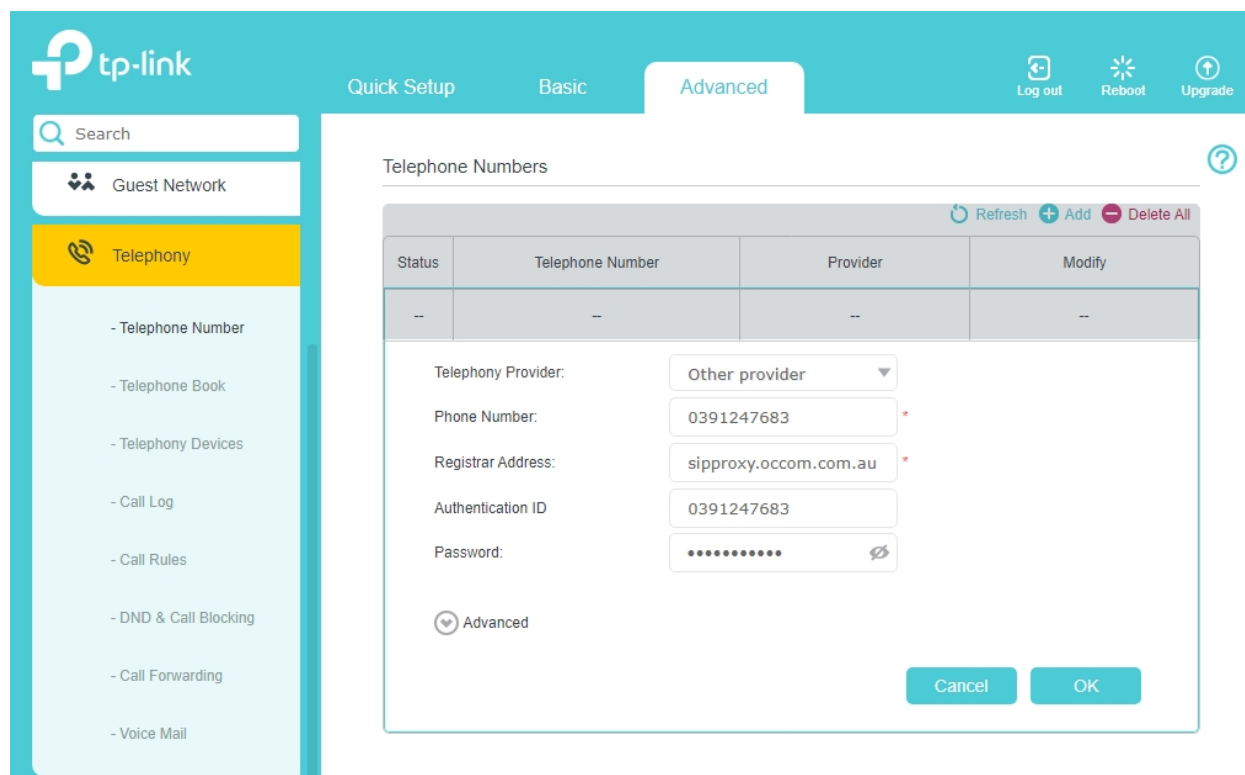
5.8 Insert the password which is provided to you by your provider in the **Password** section and click **Ok** button.

For the other brand router, it may require to input proxy server and outbound proxy, they are the same as the SIP Server, which is **sipproxy.occom.com.au**



The screenshot shows the TP-Link Basic Setup interface. On the left is a sidebar with navigation options: Wireless, Guest Network, Multi-SSID, **Telephony** (highlighted), Telephone Number, Telephone Devices, USB Sharing, and Parental Controls. The main area is titled 'Basic' and contains the 'Telephony Numbers' section. This section has a table with columns: Status, Telephone Number, Provider, and Modify. Below the table, there are input fields for 'Telephony Provider' (set to 'Other provider'), 'Phone Number', 'Registrar Address', 'Authentication ID', and 'Password'. Red arrows labeled '1.' and '2.' point to the 'Other provider' dropdown and the input fields respectively. At the bottom right are 'Cancel' and 'OK' buttons.

Following is an example for the phone configuration:



The screenshot shows the TP-Link web interface with the 'Advanced' tab selected. The left sidebar contains a 'Telephony' menu. The main content area is titled 'Telephone Numbers' and features a table with columns: Status, Telephone Number, Provider, and Modify. Below the table is a form for configuring a telephone provider. The form includes fields for 'Telephony Provider' (set to 'Other provider'), 'Phone Number' (0391247683), 'Registrar Address' (sipproxy.occom.com.au), 'Authentication ID' (0391247683), and 'Password' (masked). There is an 'Advanced' checkbox and 'Cancel'/'OK' buttons at the bottom.

Status	Telephone Number	Provider	Modify
--	--	--	--

Refresh + Add - Delete All

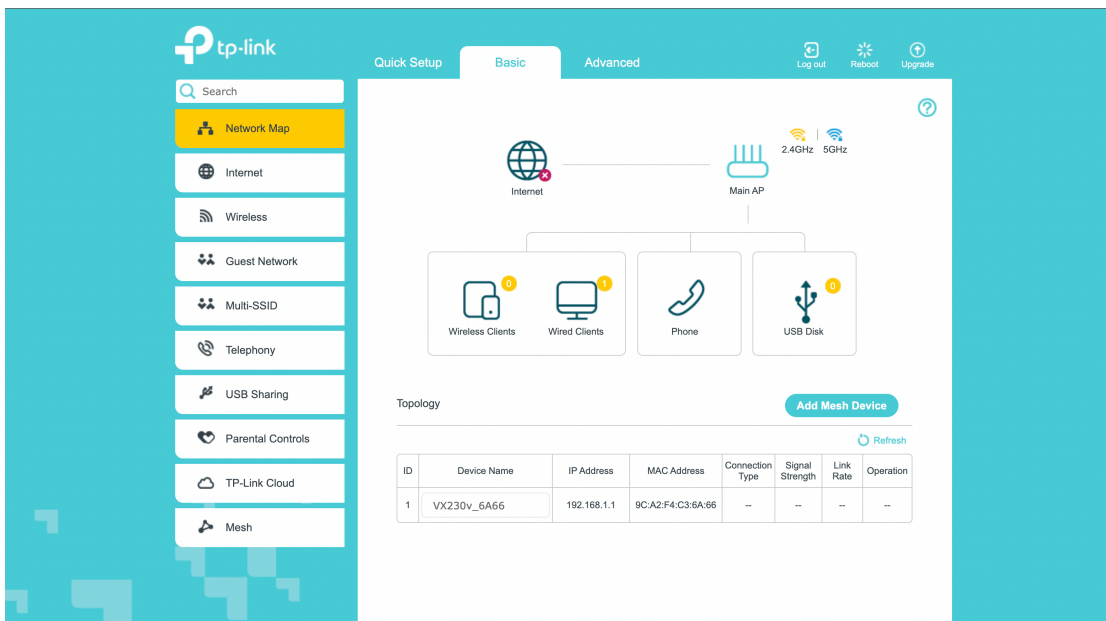
Telephony Provider: Other provider
 Phone Number: 0391247683
 Registrar Address: sipproxy.occom.com.au
 Authentication ID: 0391247683
 Password:

☒ Advanced

Cancel OK

6 Adding Access Point. How to Add an Access point with the router.

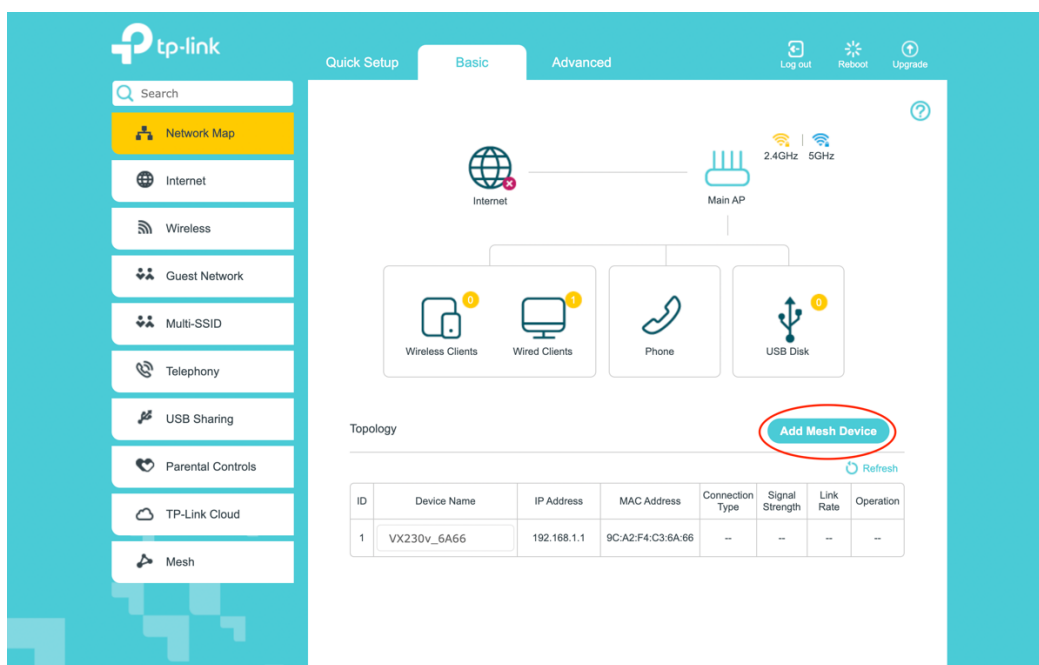
6.1 To add AP with the router, under the basic tab, click Network Map. You will be able to see the network page.



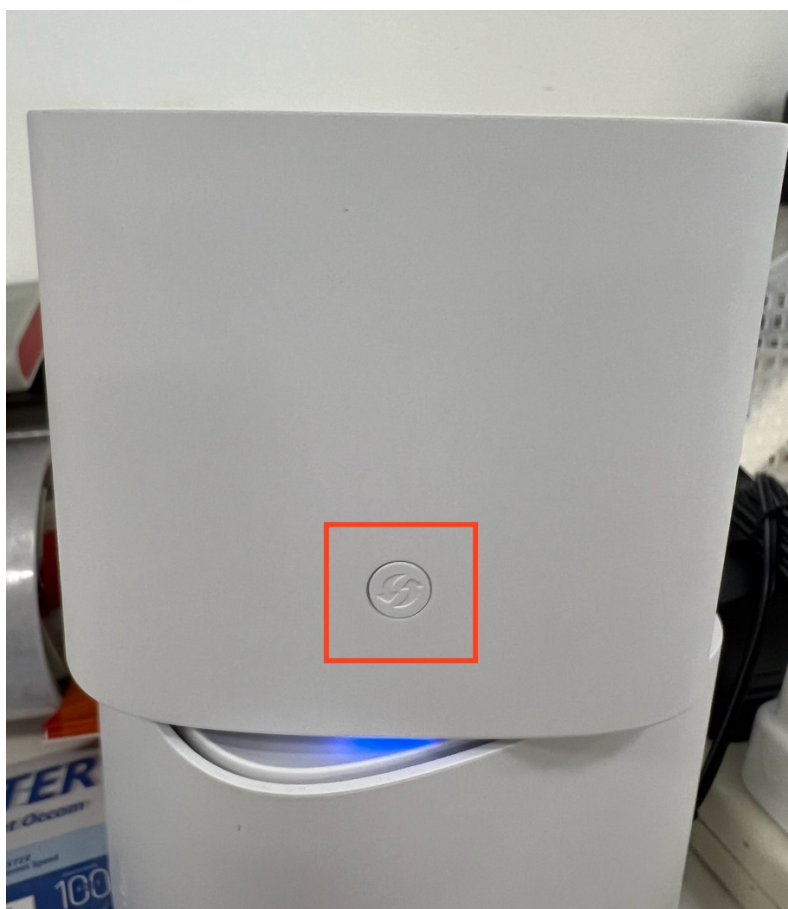
Topology

ID	Device Name	IP Address	MAC Address	Connection Type	Signal Strength	Link Rate	Operation
1	VX230v_6A66	192.168.1.1	9C:A2:F4:C3:6A:66	--	--	--	--

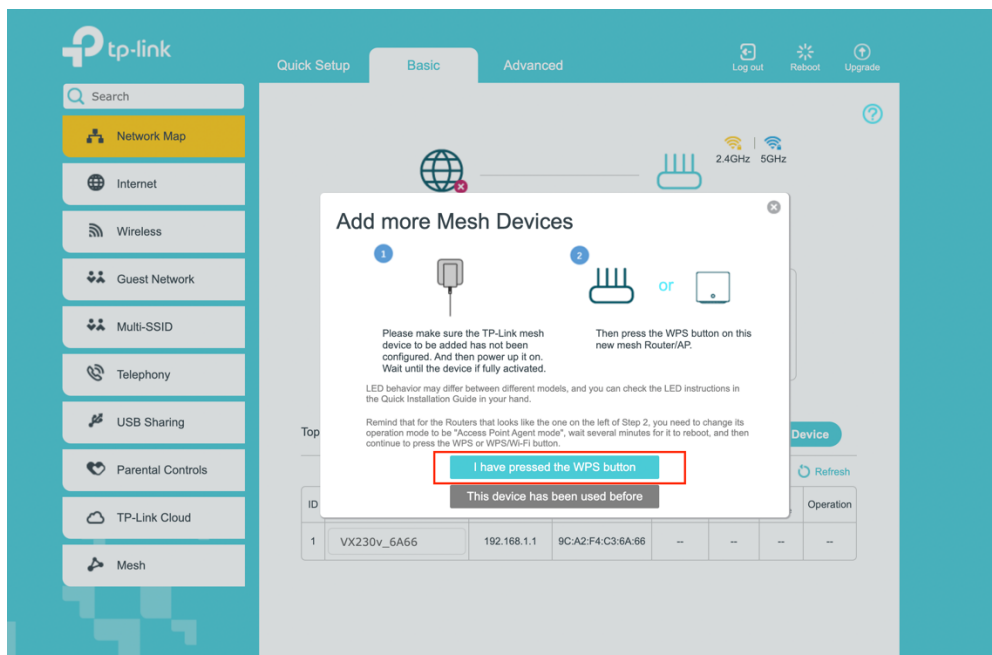
6.2 Click on the Add mesh device to add the AP



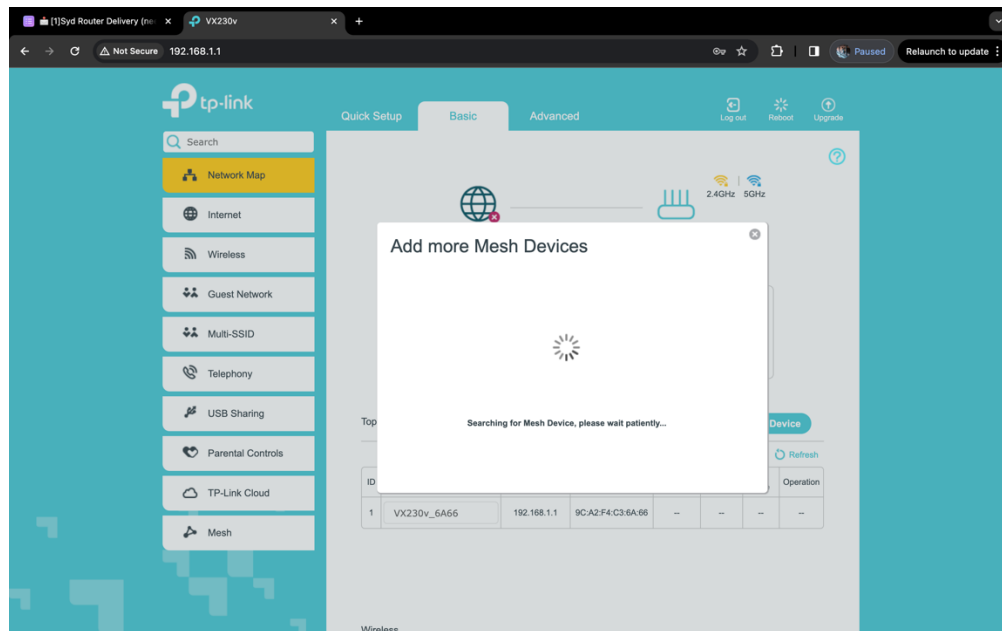
6.3 Click the WPS button on your AP



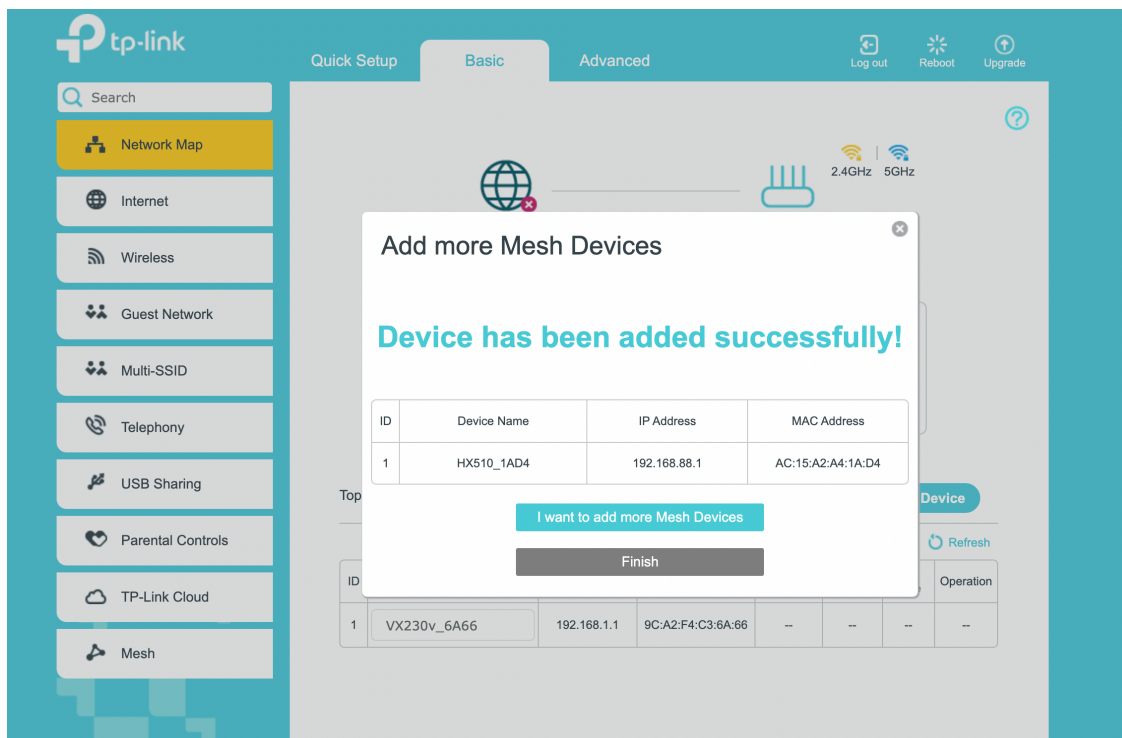
6.5 Once you have pressed the WPS button on your AP, Click on I have pressed the WPS button.



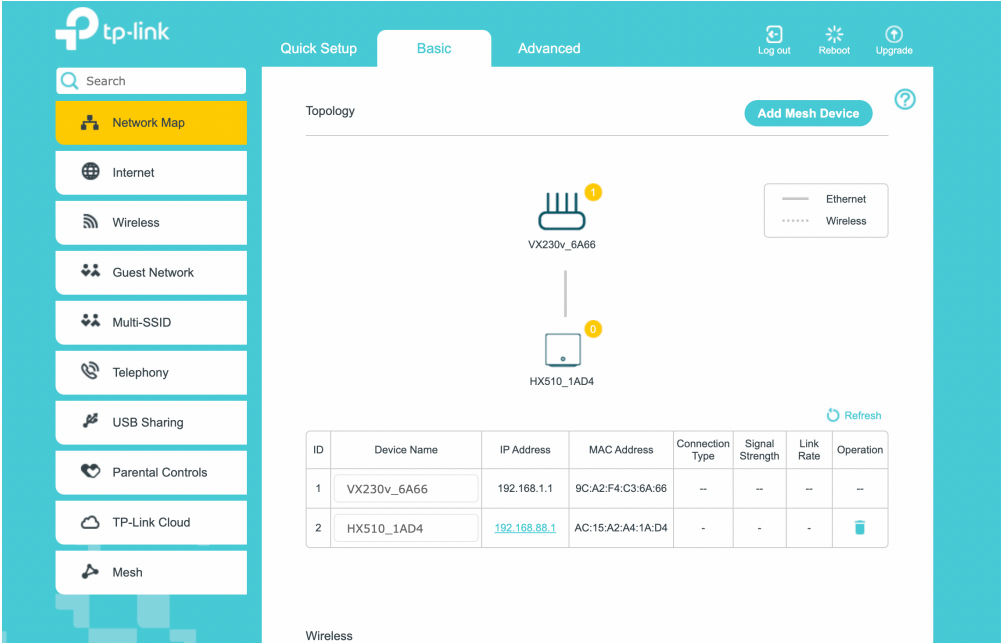
6.6 Wait until the router detects the AP.




6.7 following is the example when your router will successfully be detected and added successfully. Click Finish after you are done.



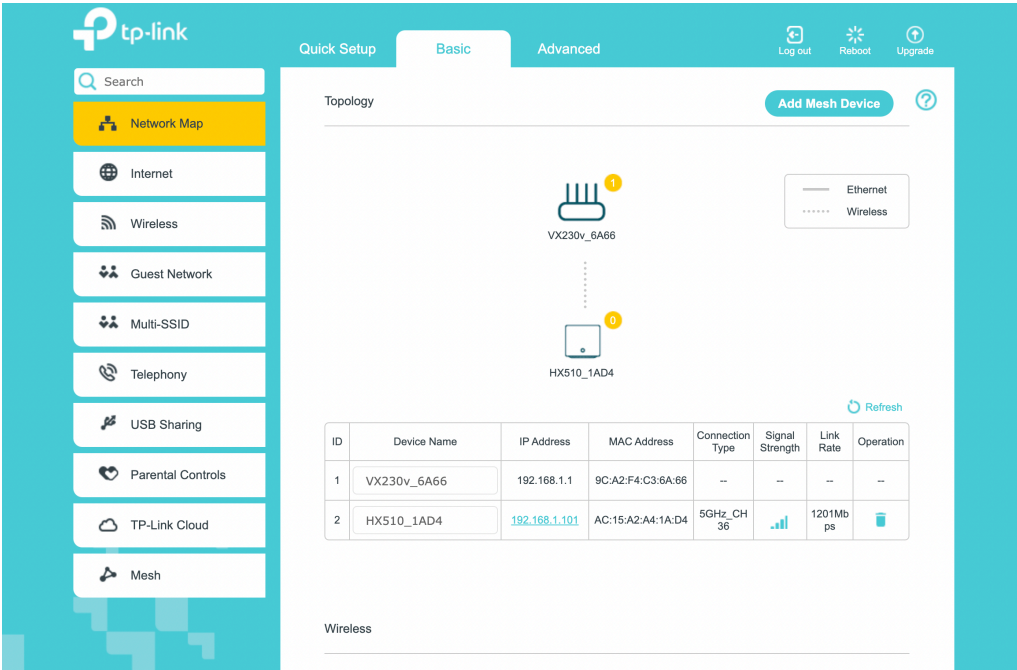
6.8 you will be able to see the following network when your AP is successfully added.
 Note : After refresh AP may not show as it will reset . Do not turn off your AP or router.



The screenshot shows the TP-Link web interface with the 'Basic' tab selected. The 'Network Map' section displays a topology diagram where the main router (VX230v_6A66) is connected via Ethernet to a mesh access point (HX510_1AD4). Below the diagram is a table listing the devices in the network.

ID	Device Name	IP Address	MAC Address	Connection Type	Signal Strength	Link Rate	Operation
1	VX230v_6A66	192.168.1.1	9C:A2:F4:C3:6A:66	--	--	--	--
2	HX510_1AD4	192.168.88.1	AC:15:A2:A4:1A:D4	-	-	-	

6.9 After successfully connecting . AP will have IP address under the main router.



The screenshot shows the TP-Link web interface for a mesh network. The left sidebar contains navigation options: Network Map, Internet, Wireless, Guest Network, Multi-SSID, Telephony, USB Sharing, Parental Controls, TP-Link Cloud, and Mesh. The main area is titled 'Topology' and shows a diagram of the network. A router (VX230v_6A66) is connected to an access point (HX510_1AD4) via a wireless connection. Below the diagram is a table listing the devices.

ID	Device Name	IP Address	MAC Address	Connection Type	Signal Strength	Link Rate	Operation
1	VX230v_6A66	192.168.1.1	9C:A2:F4:C3:6A:66	--	--	--	--
2	HX510_1AD4	192.168.1.101	AC:15:A2:A4:1A:D4	5GHz_CH 36		1201Mbps	

6.10 If you need to add more AP. Follow the steps from 6.2.