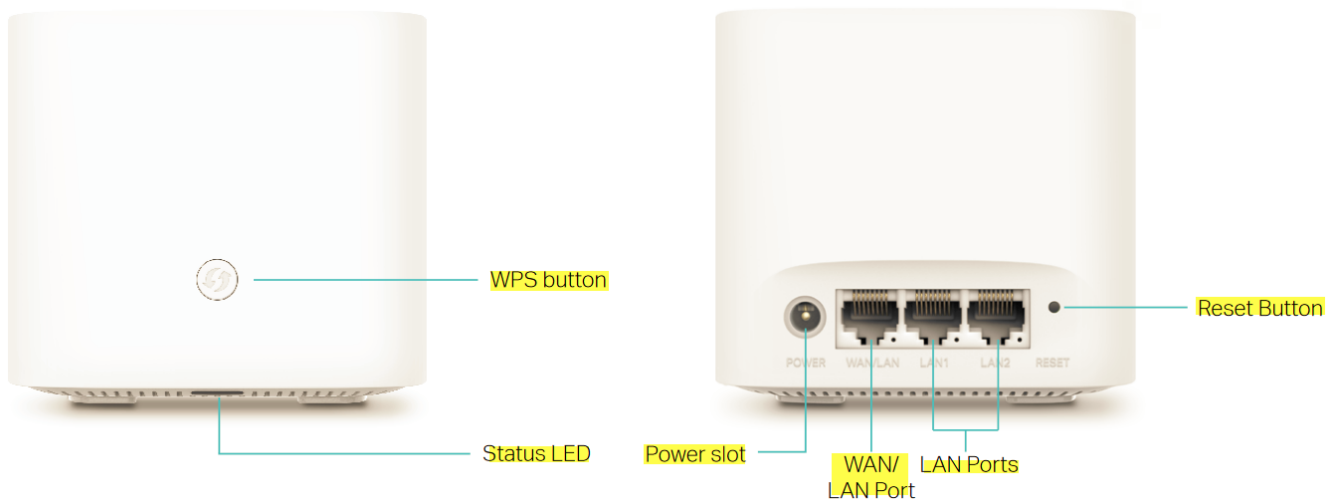


# How to Set up TP-Link HX220 Whole Home Mesh Wi-Fi unit

## Appearance

The device has **LED** that changes its behaviour according to its working status and a **WPS button**, **three RJ-45 Ethernet ports**, a **power port**, and a **RESET** button.



## Understanding the LED Status

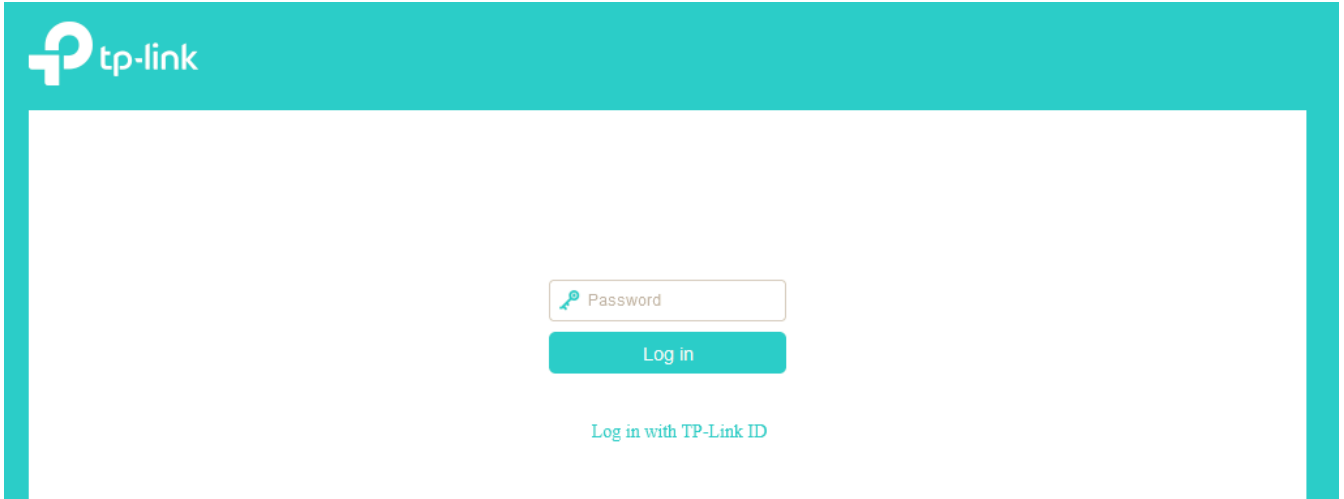
---

### How to Set Up HX220 AX1800 Whole Home Mesh Wi-Fi

1. Connect the power adapter to your HX220 and turn it on. Once the LED is flashing blue, the device should be ready for configuration.
2. Access your TP-Link VX230 modem by typing in <http://tplinkmodem.net/> or <http://192.168.1.1/> on a web browser and log in with the password you set

for the modem. Alternatively, you can log in using your TP-link ID.

The default password is **admin1**.



3. Once logged in, go to **Basic > Mesh** and make sure EasyMesh is enabled.

tp-link

Quick Setup **Basic** Advanced

Log out Reboot Upgrade

Search

- Network Map
- Internet
- Wireless
- Guest Network
- Multi-SSID
- Telephony
- USB Sharing
- Parental Controls
- TP-Link Cloud
- Mesh**

### EasyMesh

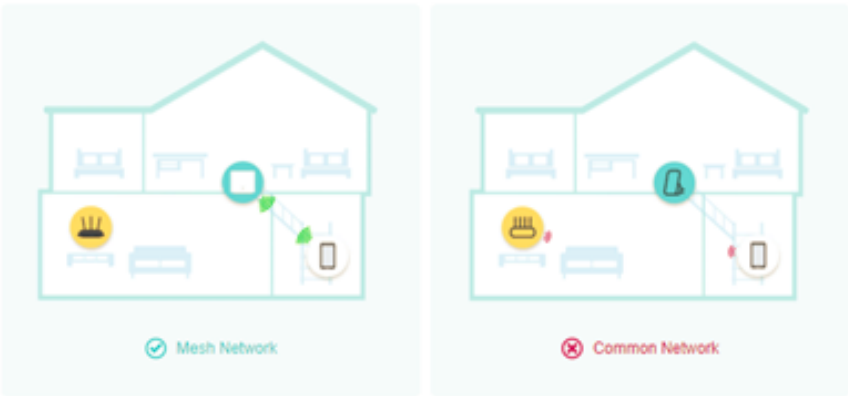
Connect EasyMesh devices to create a mesh network for seamless Wi-Fi coverage and centralized management.

EasyMesh Enable:


Note: WPA3-Personal and WPA2-Enterprise are unavailable since EasyMesh doesn't support these security types.

What's EasyMesh?

EasyMesh implements a standards-based approach, combining easy-to-use, self-adapting Wi-Fi with a flexible design, easy setup, and enhanced network intelligence. In an EasyMesh network, your mobile device will seamlessly switch between the main Router/Gateway(Controller) and Agents, provides the optimal Wi-Fi connection as you move through your home.



EasyMesh Controller



Use this device as an EasyMesh Controller if:  
This device acts as a gateway that directly connects to your ISP network, or  
You already have a gateway that doesn't support EasyMesh.

In this case, click "Add Mesh Device" to build EasyMesh network.

4. Scroll down and click **Add Mesh Device**

tp-link

Quick Setup **Basic** Advanced Log out Reboot

Search

- Network Map
- Internet
- Wireless
- Guest Network
- Multi-SSID
- Telephony
- USB Sharing
- Parental Controls
- TP-Link Cloud
- Mesh**

Mesh Network

Common Network

EasyMesh Controller

Use this device as an EasyMesh Controller if:  
 This device acts as a gateway that directly connects to your ISP network, or  
 You already have a gateway that doesn't support EasyMesh.

In this case, click "Add Mesh Device" to build EasyMesh network.

**Add Mesh Device**

EasyMesh Agent

tp-link

Quick Setup Basic **Advanced** Log out Reboot

Search

- Network Map
- Internet
- Wireless
- Guest Network
- Multi-SSID
- Telephony
- USB Sharing
- Parental Controls
- TP-Link Cloud
- Mesh**

Mesh Network

Common Network

EasyMesh Controller

**Add a Mesh Device**

1

Please make sure the TP-Link mesh device to be added has not been configured. And then power up it on. Wait until the device is fully activated.

2

Then press the WPS button on this new mesh Router/AP.

LED behavior may differ between different models, and you can check the LED instructions in the Quick Installation Guide in your hand.  
 Remind that for the Routers that looks like the one on the left of Step 2, you need to change its operation mode to be "Access Point Agent mode", wait several minutes for it to reboot, and then continue to press the WPS or WPS-Wi-Fi button.

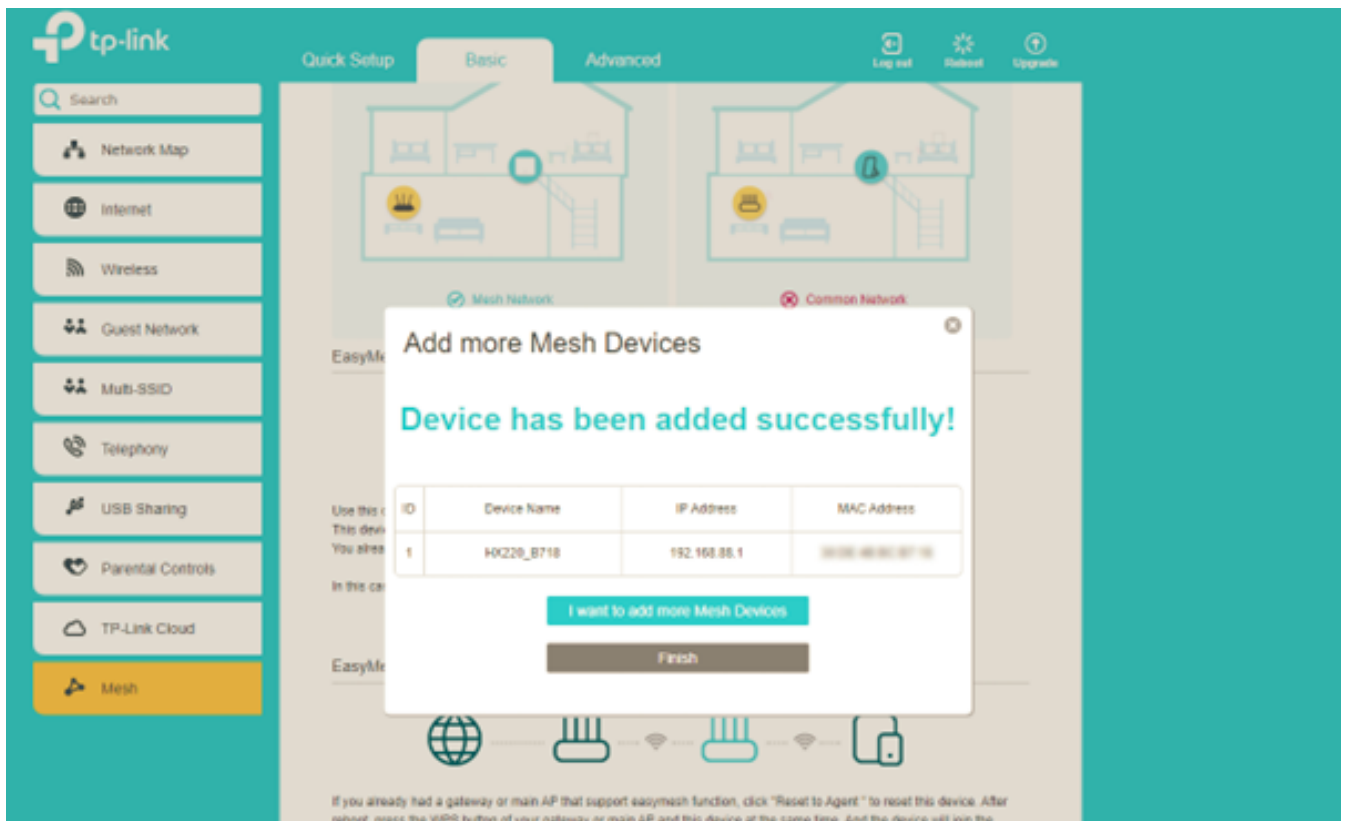
I have pressed the WPS button  
This device has been used before

If you already had a gateway or main AP that support easymesh function, click "Reset to Agent" to reset this device. After reboot, press the WPS button of your gateway or main AP and this device at the same time. And the device will join the EasyMesh network.

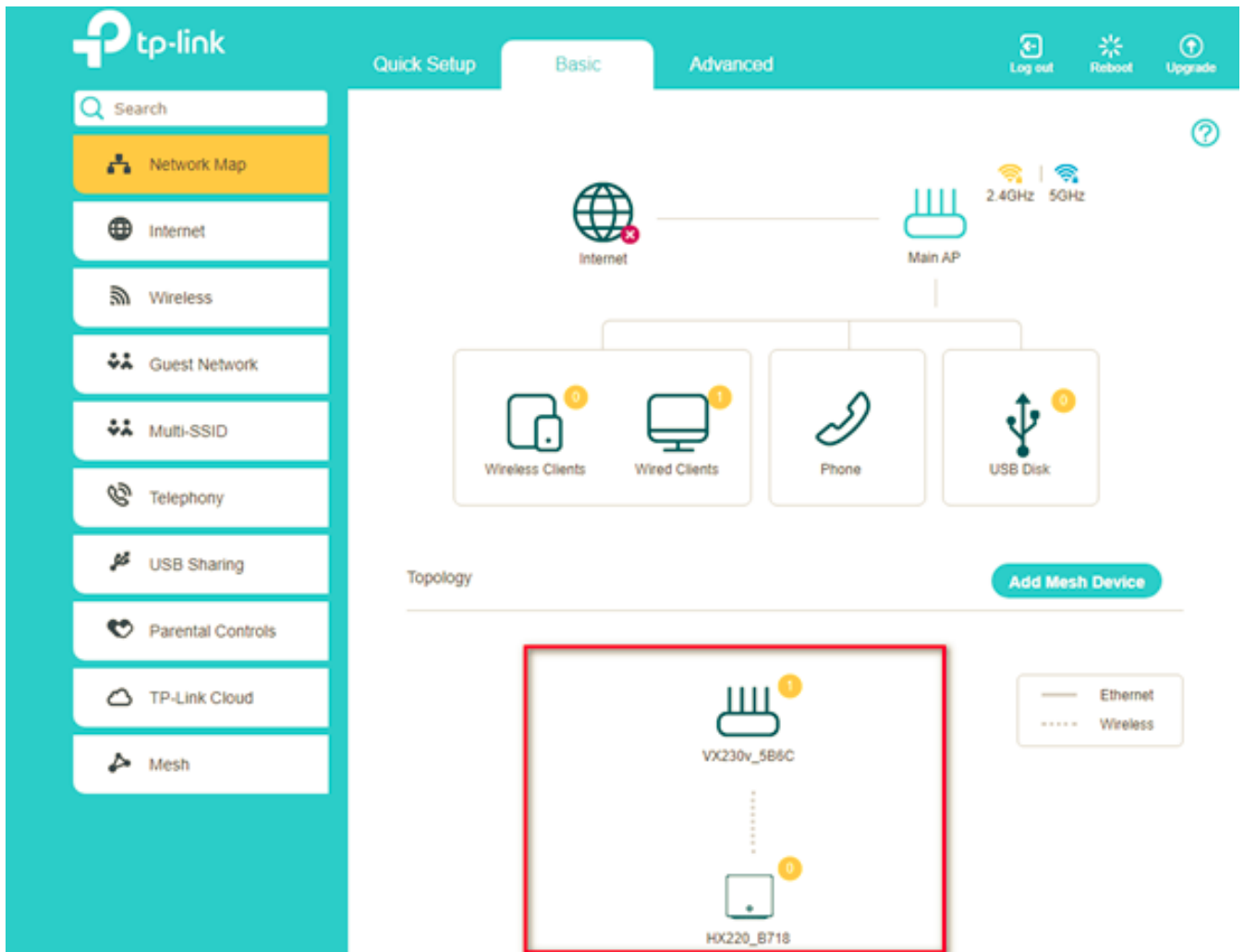
Note: Do not log in the device before joining the EasyMesh network, otherwise you need to reset it again to join the EasyMesh network.

**Reset to Agent**

Once you click **'I have pressed the WPS button'** you need to wait for 3-5 minutes until it automatically detects and adds the Mesh unit.



Once the **HX220** has been added successfully, click **'Finish'** to continue.



Once done, it will be listed on the EasyMesh page and you can start using the device.

Otherwise, you need to find it in the **Add Mesh Device** list and click **Add** to add it to the EasyMesh network.

The screenshot displays the TP-Link web interface. At the top, there are tabs for 'Quick Setup', 'Basic', and 'Advanced', with 'Basic' selected. On the left, a sidebar contains various network management options, with 'Network Map' highlighted. The main area shows a network topology diagram with a 'Main AP' connected to 'Internet', 'Wireless Clients', 'Wired Clients', 'Phone', and 'USB Disk'. Below the diagram, there is a 'Topology' section with an 'Add Mesh Device' button. A table below the button lists the connected mesh devices.

ID	Device Name	IP Address	MAC Address	Connection Type	Signal Strength	Link Rate	Operation
1	VX230v_5B6C	192.168.1.1	9C:A2:F4:C3:5B:6C	--	--	--	--

## To view the mesh devices and connected clients in the network:

1. Go to Basic > Network Map.
2. Click the "Main AP" icon to view all mesh devices

tp-link

Quick Setup **Basic** Advanced Log out Reboot

Search

**Network Map**

Internet

Wireless

Guest Network

Multi-SSID

Telephony

USB Sharing

Parental Controls

TP-Link Cloud

Mesh

Internet Main AP 2.4GHz 5GHz

Wireless Clients 1 Wired Clients 0 Phone USB Disk 0

Topology [Add Mesh Device](#)

[Refresh](#)

ID	Device Name	IP Address	MAC Address	Connection Type	Signal Strength	Link Rate	Operation
1	VX230\_\_	1		--	--	--	--

3. Click the "Wired and Wireless Clients" icon to view all connected clients.



tp-link

Quick Setup **Basic** Advanced

Log out Reboot

Search

**Network Map**

Internet

Wireless

Guest Network

Multi-SSID

Telephony

USB Sharing

Parental Controls

TP-Link Cloud

Mesh

Internet Main AP 2.4GHz 5GHz

Wireless Clients 1 Wired Clients 0

Phone USB Disk 0

**Wireless Clients**

ID	Name	IP Address	MAC Address	Connection Type	Link Rate	Attached To
1	Chromecast Ultra	192.168.1.100	08:00:42:30:00:00	5GHz_CH48	400Mbps	92:16:8E:00:00:00

## To manage an EasyMesh device in the network:

Click the Mesh device's IP Address to redirect to the web management page of this device and view detailed information.

Topology Add Mesh Device

---

EX510\_

HX220\_

— Ethernet

..... Wireless

↻ Refresh

ID	Device Name	IP Address	MAC Address	Connection Type	Signal Strength	Link Rate	Operation
1				--	--	--	--
2				5GHz_CH 48		1080Mb ps	

## How to Remove the Mesh Device from your TP-Link VX230 Modem

Simply click on the trash icon to remove the device.

Search

Network Map

Internet

Wireless

Guest Network

Multi-SSID

Telephony

USB Sharing

Parental Controls

TP-Link Cloud

Mesh

Wireless Clients

Wired Clients

Phone

USB Disk

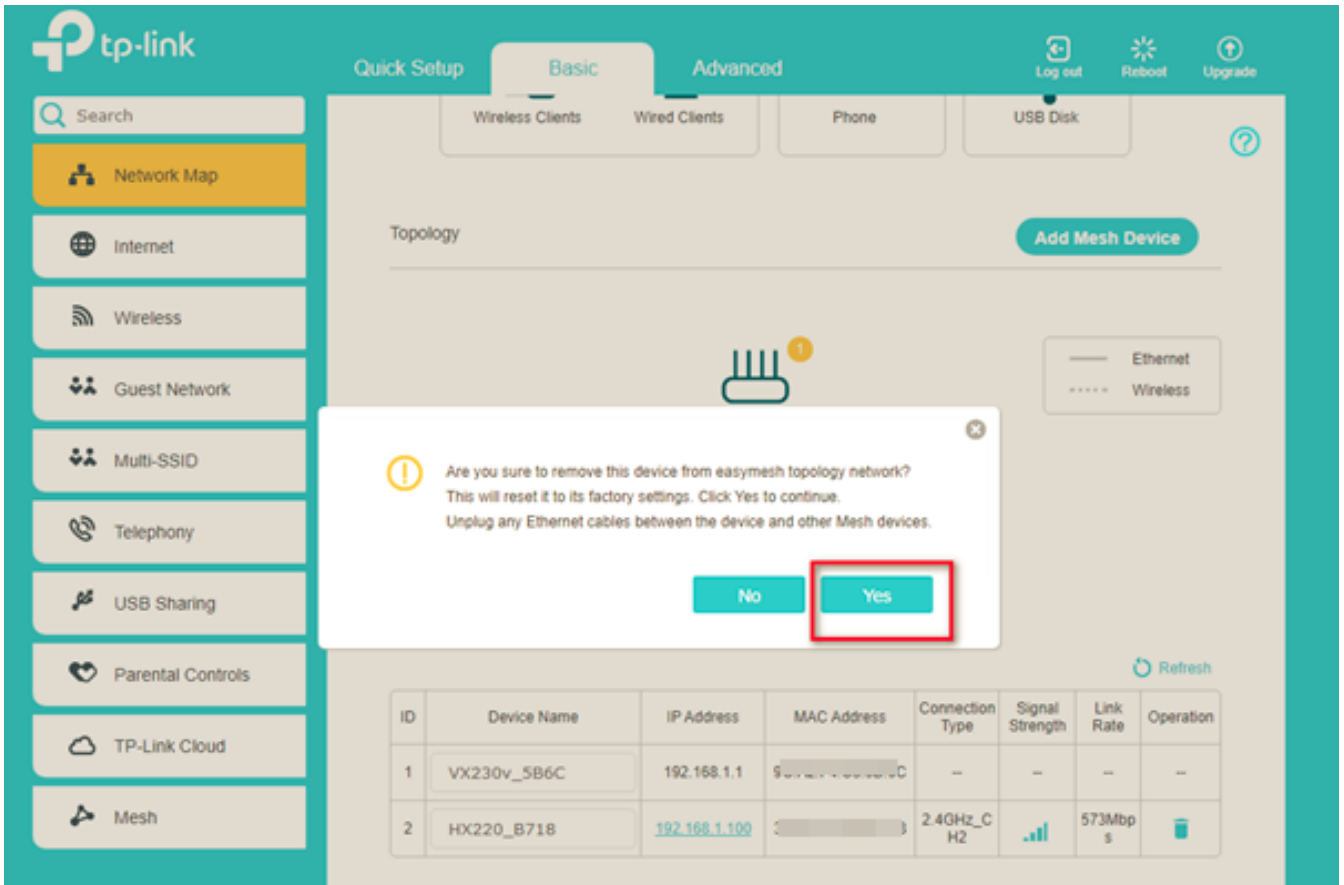
Topology

Add Mesh Device



Refresh

ID	Device Name	IP Address	MAC Address	Connection Type	Signal Strength	Link Rate	Operation
1	VX230v_5B6C	192.168.1.1	██████████	--	--	--	--
2	HX220_B718	192.168.1.100	██████████8	2.4GHz_C H2	█	573Mbps	



Online URL:

<https://articles.spintel.net.au/article/how-to-set-up-tp-link-hx220-whole-home-mesh-wi-fi-unit.html>