

# TP MESH LITE

Jul 26, 2022

# AC1200 Wireless Dual Band Gigabit Router / EC220 G5

## Características de Producto

- Soporta estándares 802.11ac y 802.11k
- Conexiones simultaneas de 2.4GHz 300Mbps y 5GHz 867Mbps para tener un ancho de banda total de 1.2Gbps.
- Conexiones cableadas ultrarápidas usando 4 puertos Gigabit Ethernet.
- Versatilidad de puertos USB que permiten compartir facilmente almacenamiento USB y archivos compartidos.
- Seguridad inalambrica, 64/128-bit WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK encriptacion.
- Soporta TR069 y TR143

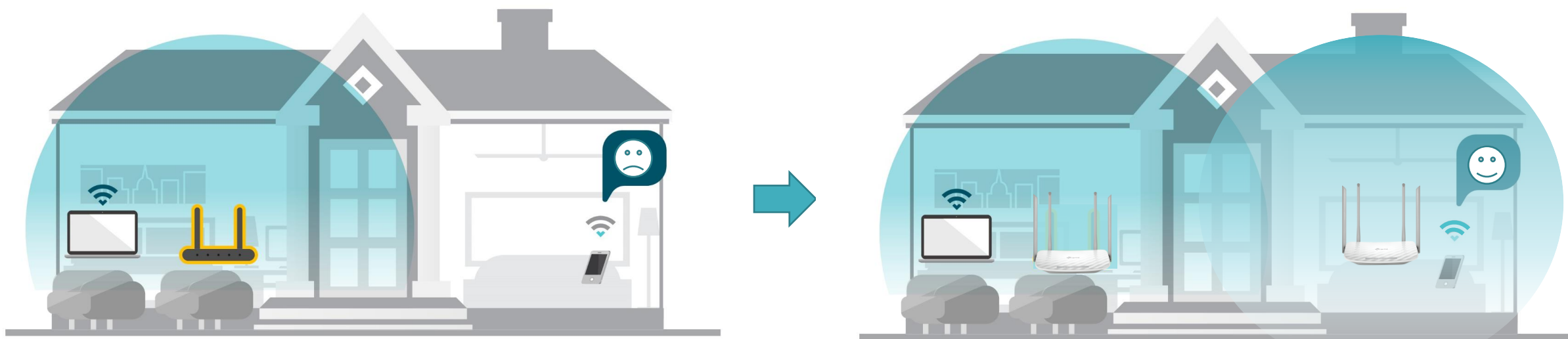


## Especificaciones

<b>Interface</b> 4 10/100/1000Mbps Puertos LAN 1 10/100/1000Mbps Puerto WAN	<b>Botones</b> 1 Boton Power On/Off 1 Boton Wi-Fi/WPS 1 Boton RESET	<b>Fuente de alimentacion</b> 12VDC / 1.0A	<b>Redes</b> DHCP, DDNS, VPN Pass through, Enrutamiento Estatico	<b>Inalambrico</b> 5GHz hasta 867Mbps 2.4GHz hasta 300Mbps	<b>QoS</b> WMM, Control de ancho de banda
<b>Antena</b> 5dBi*4 Antenas externas	<b>Puertos USB</b> 1 USB 2.0	<b>Dimensiones(Ancho*Largo* Alto)</b> 230×144×37 mm	<b>Protocolos</b> Soporta IPv4 y IPv6		

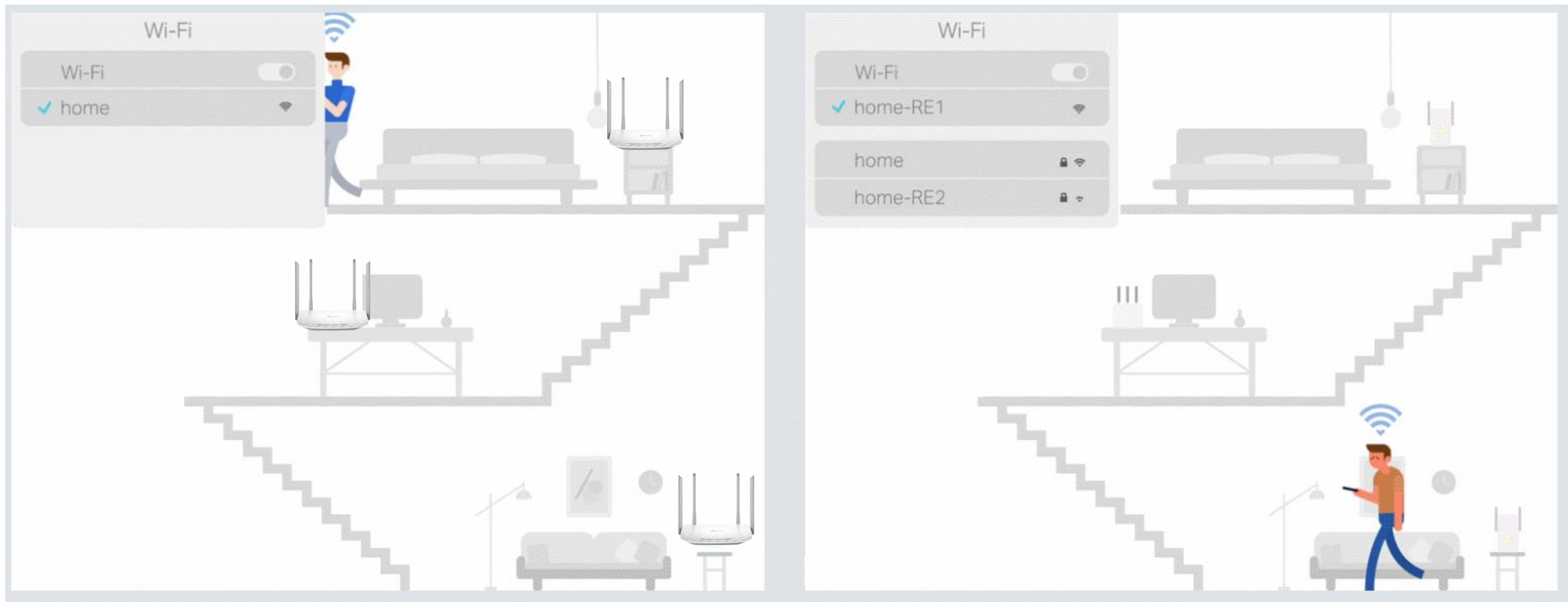
## Extension de la cobertura Wi-Fi

Un solo router inalámbrico no puede proveer cobertura satisfactoriamente a cada rincón de la casa. Muchas casas necesitan mas de un AP para cubrir el area que realmente necesitan con cobertura Wi-Fi.



Con la conexión de dos routers EC220-G5, la cobertura Wi-Fi puede ser extendida, lo que mejora la experiencia del usuario final.

## Con o Sin TP MESH LITE

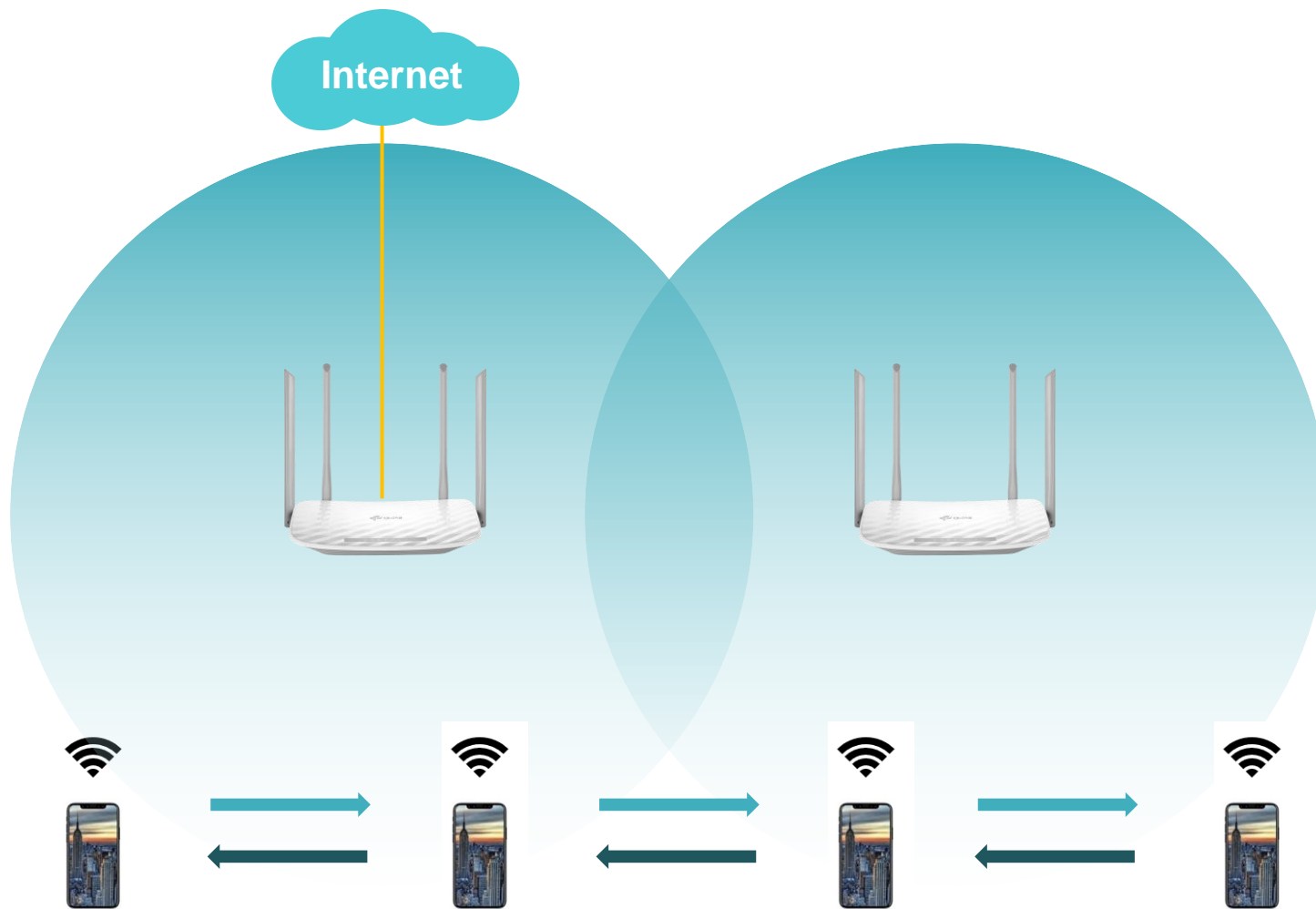


## TP-Link EC220-G5 TP MESH LITE

(El mismo SSID entre los 3 nodos Mesh)

## Router generico Wi-Fi y extensores de rango (diferentes ESSIDs)

# Informacion importante de TP MESH LITE



1: Cada EC220-G5 puede soportar 32 usuarios finales

2: Una red Mesh puede ser desplegada con hasta 3 equipos EC220-G5.

3: EC220-G5 en modo RE(Extensor de Rango) soporta ambas frecuencias, 2.4GHz and 5GHz. Entonces ambas bandas, 2.4G y 5G, pueden ser usadas como backhaul, una sola banda o banda dual.

4: Cada EC220-G5 puede ser conectado a traves de 2.4GHz y 5GHz.

# [PASO 1] Habilitar el “Network Roaming” del EC220-G5(1º Router principal)

The screenshot shows the TP-Link web interface for the EC220-G5 router. The left sidebar contains navigation options: Status, Operation Mode, Network, **Wireless** (highlighted in yellow), NAT Forwarding, and USB Sharing. Under the 'Wireless' section, there are sub-options: - Wireless Settings (highlighted with a red box), - WPS, - Wireless Schedule, - Statistics, and - Advanced Settings. The main content area has tabs for Quick Setup, Basic, and **Advanced** (highlighted with a red box). Under the 'Advanced' tab, there are two sections: 'Network Roaming' and 'Wireless Settings'. In the 'Network Roaming' section, the 'Network Roaming:' checkbox is checked and highlighted with a red box. The 'Wireless Settings' section is expanded, showing various configuration options: 'Enable Wireless Radio' (checked), 'Network Name (SSID):' (TP-Link\_6781), 'Security:' (WPA/WPA2 Personal (Recommended)), 'Version:' (WPA2-PSK), 'Encryption:' (AES), 'Password:' (12345670), 'Mode:' (802.11b/g/n mixed), 'Channel:' (Auto), 'Channel Width:' (Auto), and 'Transmit Power:' (High). A 'Save' button is located at the bottom right of the 'Wireless Settings' section.

Advanced->Wireless->Wireless  
Settings->Network Roaming->Enable

# [PASO 2] Revise el “Wireless Settings” del EC220-G5(1º Router principal)

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Quick Setup Basic **Advanced** Log out Reboot

Status

Operation Mode

Network

**Wireless**

- Wireless Settings
- WPS
- Wireless Schedule
- Statistics
- Advanced Settings

NAT Forwarding

Network Roaming

Network Roaming: ☒ Enable

Wireless Settings

☒ Enable Wireless Radio

Network Name (SSID): TP-Link\_6781 ☐ Hide SSID

Security: WPA/WPA2 Personal (Recommended)

Version: ☐ Auto ☒ WPA2-PSK

Encryption: ☐ Auto ☐ TKIP ☒ AES

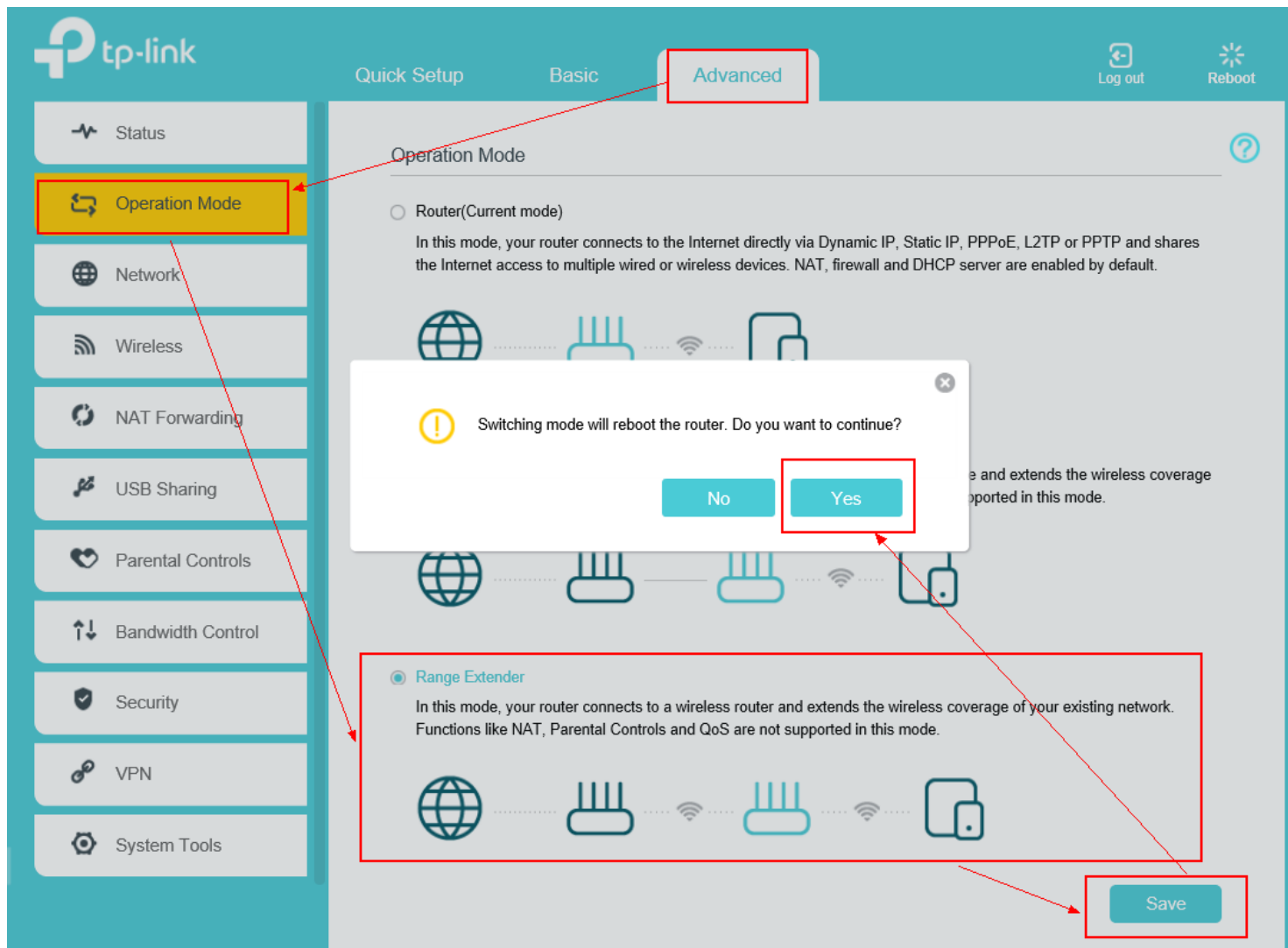
Password: 12345670

Transmit Power: ☐ Low ☐ Middle ☒ High

Save

Enable->Wireless Settings->Save

# [PASO 3] Configurar el EC220-G5(2<sup>do</sup> o 3<sup>ro</sup> Routers extensores) con modo Range Extender



Advanced->Operation Mode->Range Extender->Save->Yes



## [PASO 4] Relacionar los EC220-G5(2<sup>do</sup> o 3<sup>ro</sup> Routers extensores) con la red inalámbrica 2.4GHz del EC220-G5(1<sup>ro</sup> Router principal)

The screenshot shows the TP-Link Quick Setup interface. At the top, there is a navigation bar with the TP-Link logo, a 'Quick Setup' button (highlighted with a red box), a 'Settings' button, and 'Log out' and 'Reboot' links. Below the navigation bar is a progress bar with four steps: '2.4GHz Host Network' (active), '5GHz Host Network', 'Wireless Settings', and 'Summary'. The main content area is titled 'Please select 2.4GHz host network or skip this network.' and contains a table of available networks. The table has columns for ID, SSID, Signal Strength, MAC Address, and Security. The network 'TP-Link\_6781' (ID 17) is highlighted with a red box. Below the table, there is a 'Host 2.4GHz Password' field with the password '12345670' entered (highlighted with a red box) and a 'Next' button (highlighted with a red box). At the bottom of the interface are three buttons: 'Exit', 'Rescan', and 'Skip'.

ID	SSID	Signal Strength	MAC Address	Security
15	HP-Print-86-Officejet 7610	Signal strength icon	3C-52-82-3E-55-86	Security icon
16	TP-LINK_756E	Signal strength icon	18-A6-F7-D5-75-6E	Security icon
17	TP-Link_6781	Signal strength icon	34-E8-94-30-69-BF	Security icon
18	TP-Link_BDB2	Signal strength icon	7C-8B-CA-83-BD-B2	Security icon
19	TP-Link_FB51	Signal strength icon	D8-0D-17-8D-FB-51	Security icon
20	yewuyuan_2.4G	Signal strength icon	B0-BE-76-40-81-2C	Security icon
21		Signal strength icon	7A-4F-57-11-06-06	Security icon
22	44AA-EM-2.4G	Signal strength icon	00-AA-83-23-00-00	Security icon

Quick Setup->Host 2.4GHz Password->Next

# [PASO 5] Relacionar los EC220-G5(2<sup>do</sup> o 3<sup>ro</sup> Routers extensores) con la red inalámbrica 5GHz del EC220-G5(1<sup>ro</sup> Router principal)

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Quick SetupSettingsLog outReboot

2.4GHz Host Network5GHz Host NetworkWireless SettingsSummary

Please select 5GHz host network or skip this network.

ID	SSID	Signal Strength	MAC Address	Security
1	TP-Link_6781	<div></div>	34-E8-94-30-69-C0	<div></div>
<div>Host 5GHz Password<div>12345670</div><div>Next</div></div>				
2		<div></div>	CE-71-54-BF-4D-EB	<div></div>
3	HC220-G1_UE	<div></div>	C4-71-54-BF-4D-EB	<div></div>
4	TP-LINK_4FF2_5G	<div></div>	0C-30-F2-13-4F-F1	<div></div>
5	TP-Link_BDB2_5G	<div></div>	7C-8B-CA-83-BD-B4	<div></div>
6		<div></div>	0A-0A-22-51-25-6B	<div></div>
7	HC220-G1_UE	<div></div>	00-0A-22-51-25-6B	<div></div>

ExitBackRescanSkip

Host 5GHz Password->Next

# [PASO 6] Habilitar la red roaming de los EC220-G5(2<sup>do</sup> o 3<sup>ro</sup> Routers extensores)

tp-link

Quick Setup Settings Log out Reboot

2.4GHz Host Network 5GHz Host Network Summary

Wireless Settings

Network Roaming: ☒ Enable

**Note** If network roaming is enabled, the RootAP you connect with must support tp-link force roaming function.

Extended 2.4GHz SSID: TP-Link\_6781 Copy Host SSID

☐ Hide SSID

**Note** The extended 2.4GHz password is the same as your Host password.

Extended 5GHz SSID: TP-Link\_6781 Copy Host SSID

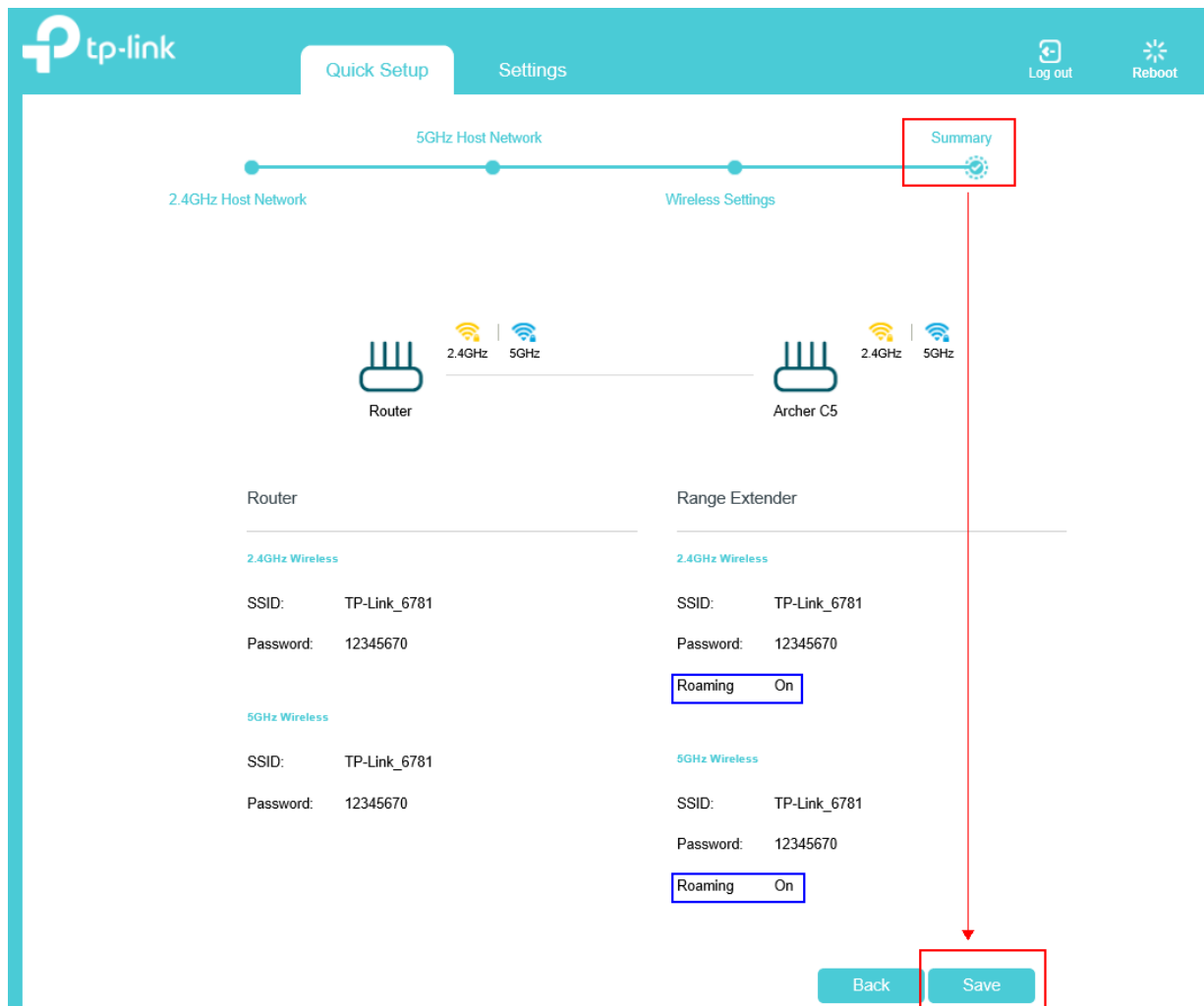
☐ Hide SSID

**Note** The extended 5GHz password is the same as your Host password.

Exit Back Next

Network Roaming->Enable->Next

# [PASO 7] Disfrutar del TP MESH LITE



The screenshot shows the TP-Link Archer C5 web interface during the Mesh setup process. At the top, there's a navigation bar with 'Quick Setup' and 'Settings' tabs, and 'Log out' and 'Reboot' links. Below this, a progress bar indicates the steps: '2.4GHz Host Network', '5GHz Host Network', 'Wireless Settings', and 'Summary'. The 'Summary' step is highlighted with a red box. The main content area displays the configuration for the 'Router' and the 'Archer C5' (Range Extender). Both devices are configured with the same SSID 'TP-Link\_6781' and Password '12345670'. The 'Roaming' option is set to 'On' for both. At the bottom, there are 'Back' and 'Save' buttons, with the 'Save' button highlighted by a red box. A red arrow points from the 'Summary' step in the progress bar down to the 'Save' button.

tp-link

Quick Setup Settings Log out Reboot

2.4GHz Host Network 5GHz Host Network Wireless Settings Summary

Router Archer C5

2.4GHz 5GHz 2.4GHz 5GHz

Router Range Extender

2.4GHz Wireless 2.4GHz Wireless

SSID: TP-Link\_6781 SSID: TP-Link\_6781

Password: 12345670 Password: 12345670

5GHz Wireless 5GHz Wireless

SSID: TP-Link\_6781 SSID: TP-Link\_6781

Password: 12345670 Password: 12345670

Roaming On Roaming On

Back Save

Save>Disfrutar del TP MESH LITE



THANK YOU