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# 804Mesh Quick Start Guide

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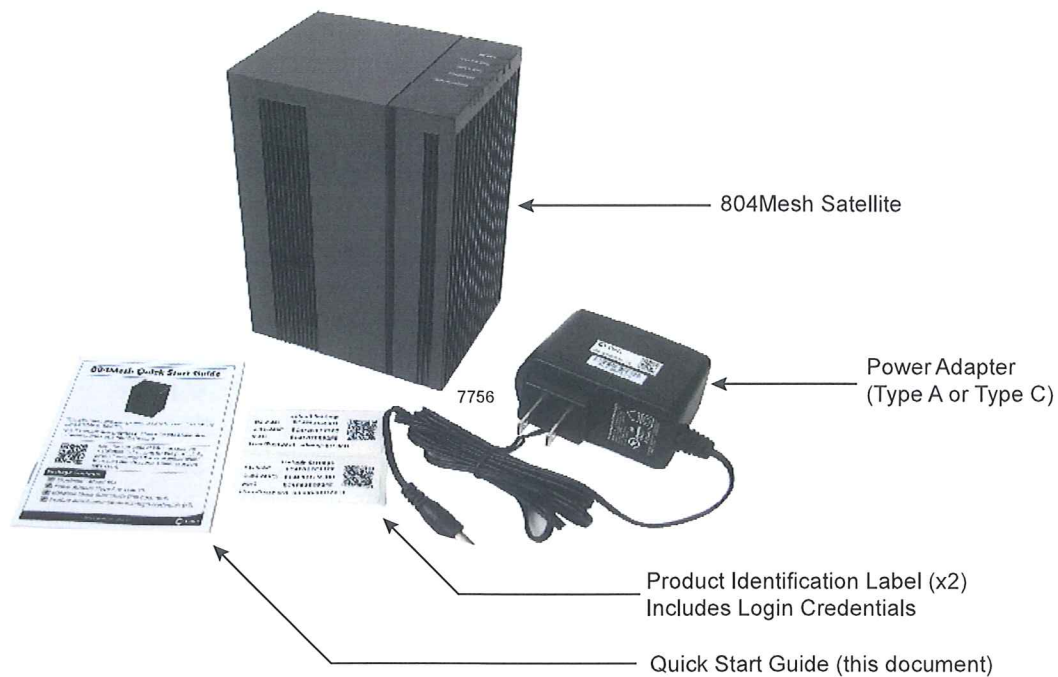
This document provides general installation practices for the Calix 804Mesh Satellite.

This document also provides guidance for site preparation, installation, and basic troubleshooting.

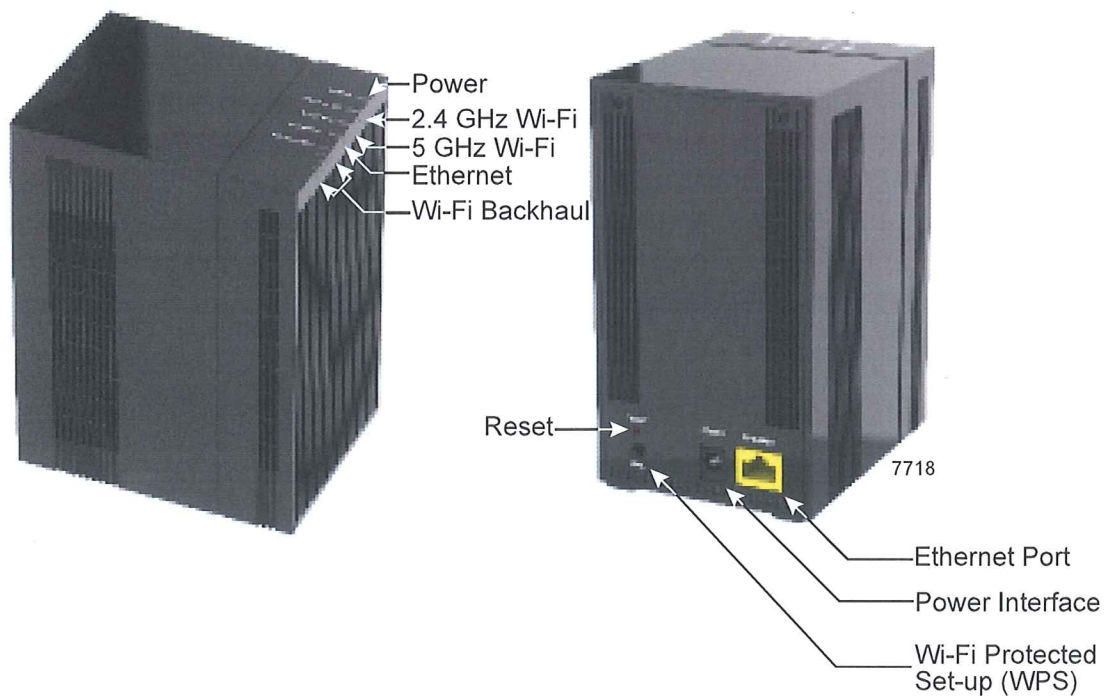


Scan the QR code at left to access the installation instructions for this product. All documentation is available online from the My Calix portal ([calix.com/mycalix](http://calix.com/mycalix)).

## Package Contents



## A Quick Look



## Mounting the 804Mesh

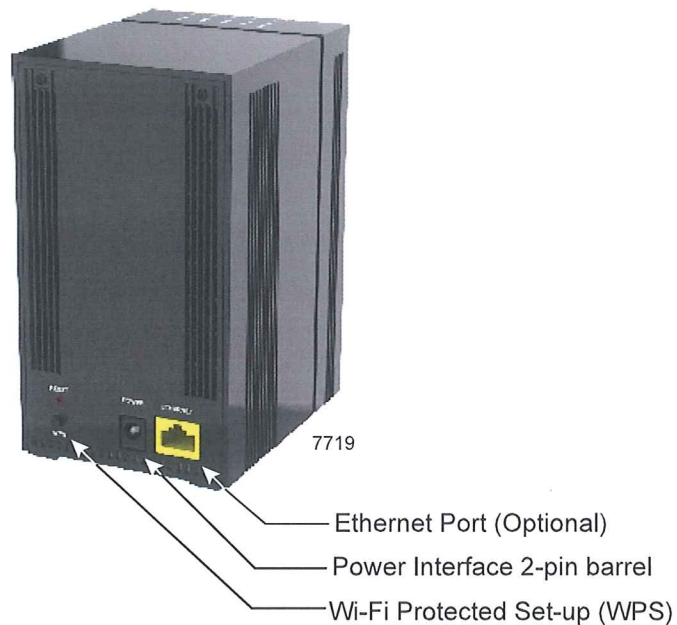
The 804Mesh must be placed on a tabletop or shelf in an upright orientation.

An optional mounting bracket (available separately) is available to mount the 804Mesh on a wall or ceiling.

## Powering the 804Mesh

To power the equipment:

1. Remove any protective packaging or films.
2. Plug one end of the power adapter into the 804Mesh's power port and the other into an available wall socket. Note the power cord is 5 feet (1.5 meters) long



## Managing the 804Mesh

The initial set-up and ongoing maintenance including software upgrades of the 804Mesh is managed remotely by your service provider.

## Connecting the 804Mesh to your Network

**Note:** The upstream GigaCenter must be running ONT Release 12.2.6 or above in order to realize the full benefit of advanced features on the 804Mesh.

To complete the network connection, two options are available:

1. Connect the 804Mesh to the upstream GigaCenter using the WPS functionality built into both products. Press and hold the WPS button on the GigaCenter for at least 5 seconds. When released, the WPS LED will blink amber. Then go to the 804Mesh and hold the WPS button until the signal strength LEDs begin flashing. At this point, a pairing attempt will begin. Note that you have a maximum of two minutes between button pushes (walking time).
2. Connect an Ethernet cable between the 804Mesh and the upstream GigaCenter. Once the Ethernet cable is connected, the 804Mesh automatically learns the network topography.

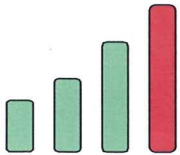
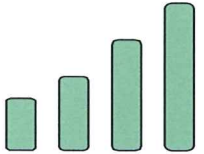
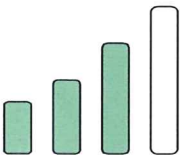
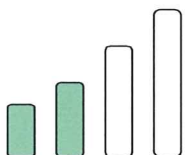
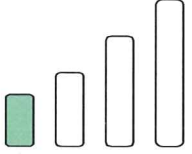
**Note:** The Received Signal Strength Indicator (RSSI) will not light up when the 804Mesh is connected to the GigaCenter using the Ethernet interface.



## Using the Received Signal Strength Indicator (RSSI) to Position the 804Mesh

Backhaul signal strength can be monitored via the bank of four LED's located on top of the 804Mesh. These lights display the relative signal strength of the 804Mesh in the network.

The table below explains possible LED states as it pertains to RSSI.

LED Display	Description	Comment
	$\text{RSSI} > -50 \text{ dBm}$	The 804Mesh is too close to the GigaCenter.
	$-50 \text{ dBm} \geq \text{RSSI} \geq -60 \text{ dBm}$	The distance between the 804Mesh and the GigaCenter is optimal.
	$-60 \text{ dBm} > \text{RSSI} \geq -70 \text{ dBm}$	The distance between the 804Mesh and the GigaCenter is optimal.
	$-70 \text{ dBm} > \text{RSSI} \geq -80 \text{ dBm}$	The distance between the 804Mesh and the host device (GigaCenter) provides adequate results.
	$\text{RSSI} < -80 \text{ dBm}$	The 804Mesh is too far from the GigaCenter.

Note that the absence of any lit LEDs indicates a lack of connectivity between the 804Mesh and the host GigaCenter or the 804Mesh is connected via the Ethernet cable.

## Frequently Asked Questions

**Q:** Who do I contact for service and support?

**A:** Contact your service provider.

**Q:** What is the difference between “Ethernet” mode and “Wi-Fi Backhaul” mode?

**A:** In Ethernet mode, an Ethernet cable is used to support backhaul traffic and the 5 GHz Wi-Fi bandwidth is shared with all client devices.

In Wi-Fi Backhaul mode, the 5 GHz Wi-Fi bandwidth is shared with the backhaul traffic and all client devices.

**Q:** How do I reset the device without having to unplug the unit?

**A:** Press the RESET button for less than 5 seconds to reset to the current configuration settings.

**Q:** How do I restore the 804Mesh to factory settings?

**A:** Press the RESET button on the back of the unit for 5 seconds or more), or access the “Restore Defaults” reset button located in the “Utilities” section of the embedded web interface (EWI).

**Q:** What do I do if the User Name or Password is forgotten?

**A:** Press the RESET button for 5 seconds or more. This will restore the factory settings and allow you to connect using the default User Name and Password.

**Q:** What mounting options are available for installing the 804Mesh?

**A:** The 804Mesh can be installed on a desktop or shelf without additional hardware. An optional mounting bracket is available for ceiling or wall mounting.

## **Potentially Explosive Atmosphere**

Do not use the 804Mesh in an area where a potentially explosive atmosphere exists.

## **Atmosphère potentiellement explosive**

N'utilisez pas le 804Mesh dans un endroit où existe une atmosphère potentiellement explosive.