

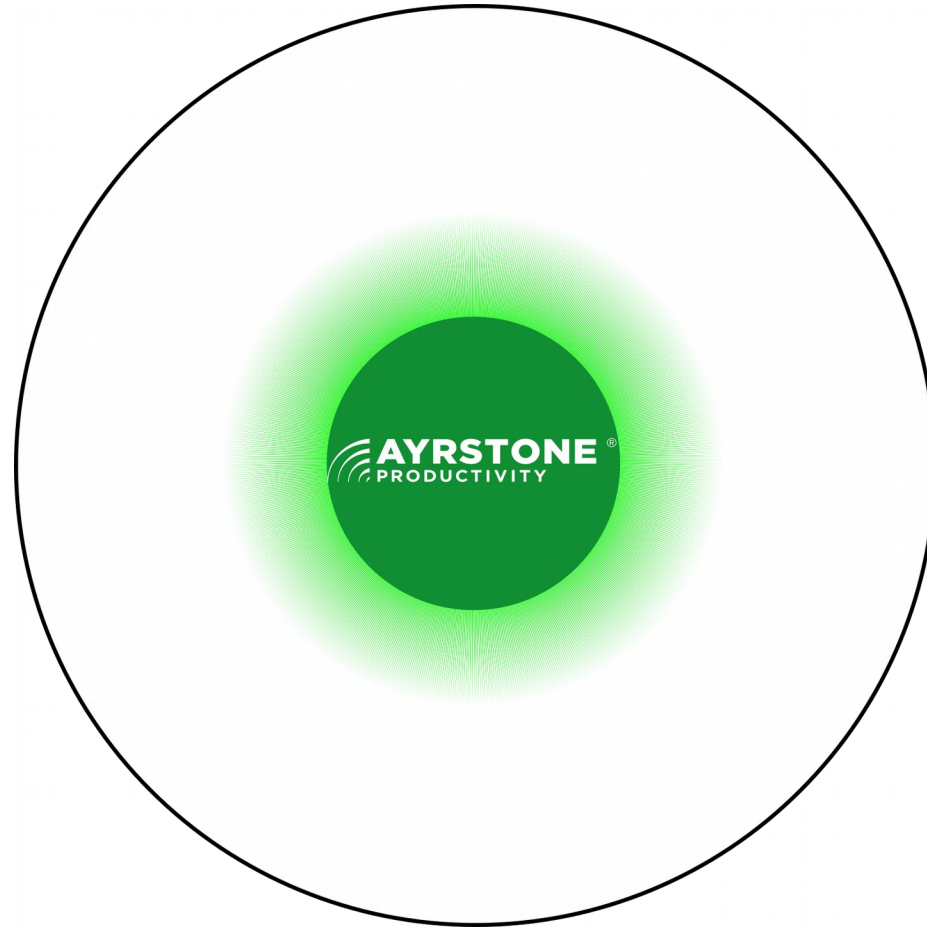
Meshing with the AyrMesh[®] IndoorHub



Why use meshing?

- If you are just using the IndoorHub as a WiFi access point, don't turn on meshing
- If you need multiple access points within a building, strongly consider running Ethernet cable instead of using meshing
- If Ethernet cable is impractical, meshing will allow you to position additional IndoorHubs in the building without running cable.
- One IndoorHub must be connected to the network with an Ethernet cable; it is referred to as the "Gateway" IndoorHub. IndoorHubs connected via meshing are called "Remotes."

Step 1: Make sure IndoorHub is on your network



IndoorHub should be connected to network with an Ethernet cable, green light steady

Connect to IndoorHub

- Get the IndoorHub's IP address from AyrMesh.com
- Using a web browser, connect to IndoorHub's web page at `http://{IndoorHub's IP address}`
- Log in using your AyrMesh.com username and password

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Ayrstone AyrMesh[®] IndoorHub

Role: Gateway	MAC address:
IP address:	Channel: 11
SSID: AyrMesh	
Signal strength to next Hub: dBi	Firmware version: 72003
Memory free: 35028	Load: 0.12,0.11,0.07
Uptime: 0d:0h:10m	OPTIONS

Site Survey

MAC addr	Chan	Signal	SSID
[Redacted]			

Client List

MAC address	Signal strength
---End---	

Click on "OPTIONS" Link



Ayrstone AyrMesh[®] IndoorHub

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IP address: [REDACTED]	Channel: 11
SSID: AyrMesh	Firmware version: 72003
Signal strength to next Hub: dBi	Load: 0.12,0.11,0.07
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Site Survey

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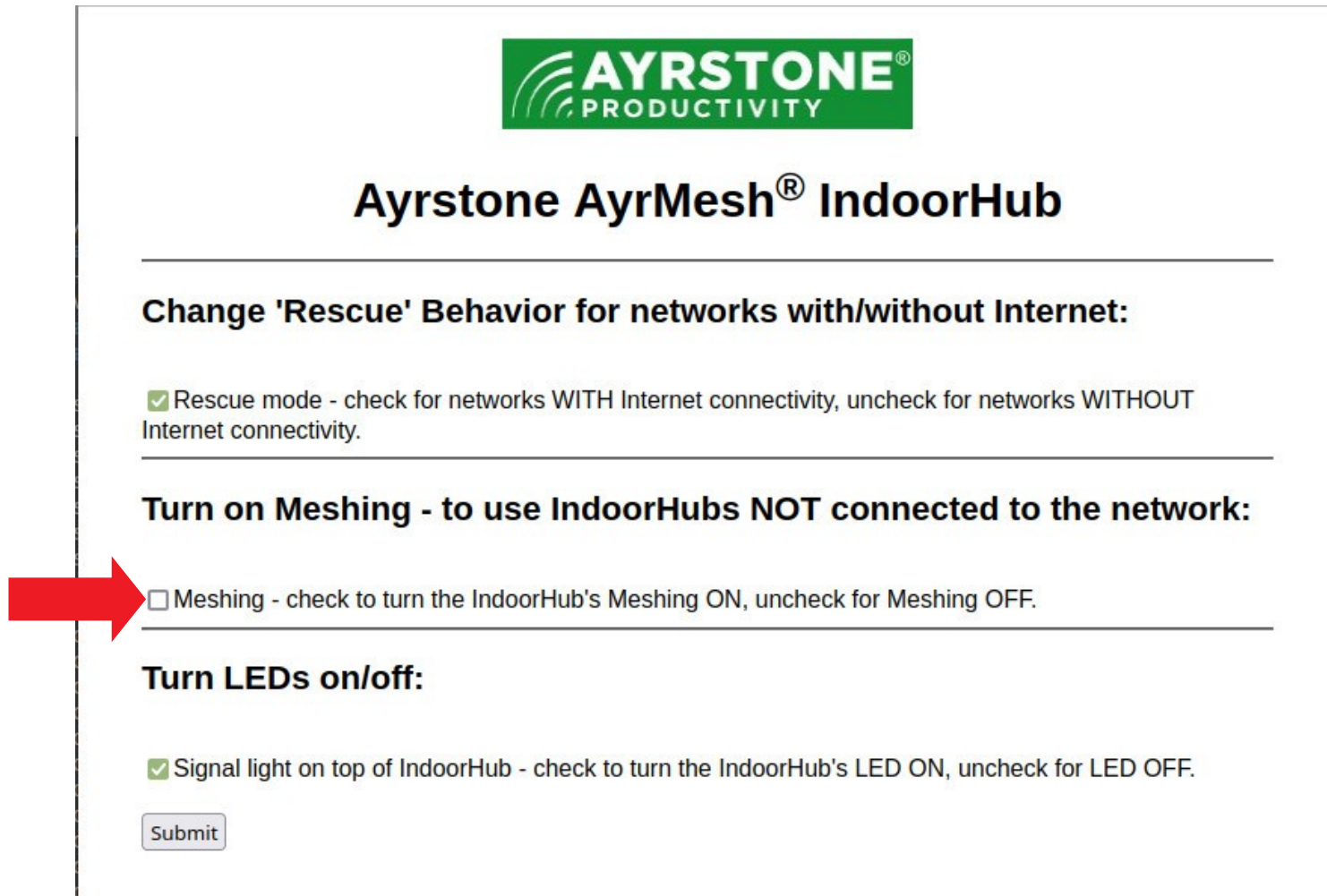
Client List


MAC address	Signal strength
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---End---



Click on “Turn on Meshing” box





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Change 'Rescue' Behavior for networks with/without Internet:

Rescue mode - check for networks WITH Internet connectivity, uncheck for networks WITHOUT Internet connectivity.

Turn on Meshing - to use IndoorHubs NOT connected to the network:

Meshing - check to turn the IndoorHub's Meshing ON, uncheck for Meshing OFF.

Turn LEDs on/off:

Signal light on top of IndoorHub - check to turn the IndoorHub's LED ON, uncheck for LED OFF.

Then Click on “Submit”



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IndoorHub will reboot



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IndoorHub is in Rescue mode

Meshing is ON

Light is OFF

INDOORHUB WILL REBOOT NOW

Notes...

- Set up one IndoorHub at a time. If there are two IndoorHubs with meshing on connected to the network via Ethernet, they will create a network loop and the network will crash
- The light on top of the IndoorHub will indicate the signal strength to the nearest IndoorHub:
 - Flashing green once per second – very strong signal
 - Flashing green once every 2 seconds – good signal
 - Flashing green once every 3 seconds – weak signal
 - Flashing yellow once every second – very weak signal
 - Flashing red once every second - no signal

Other options



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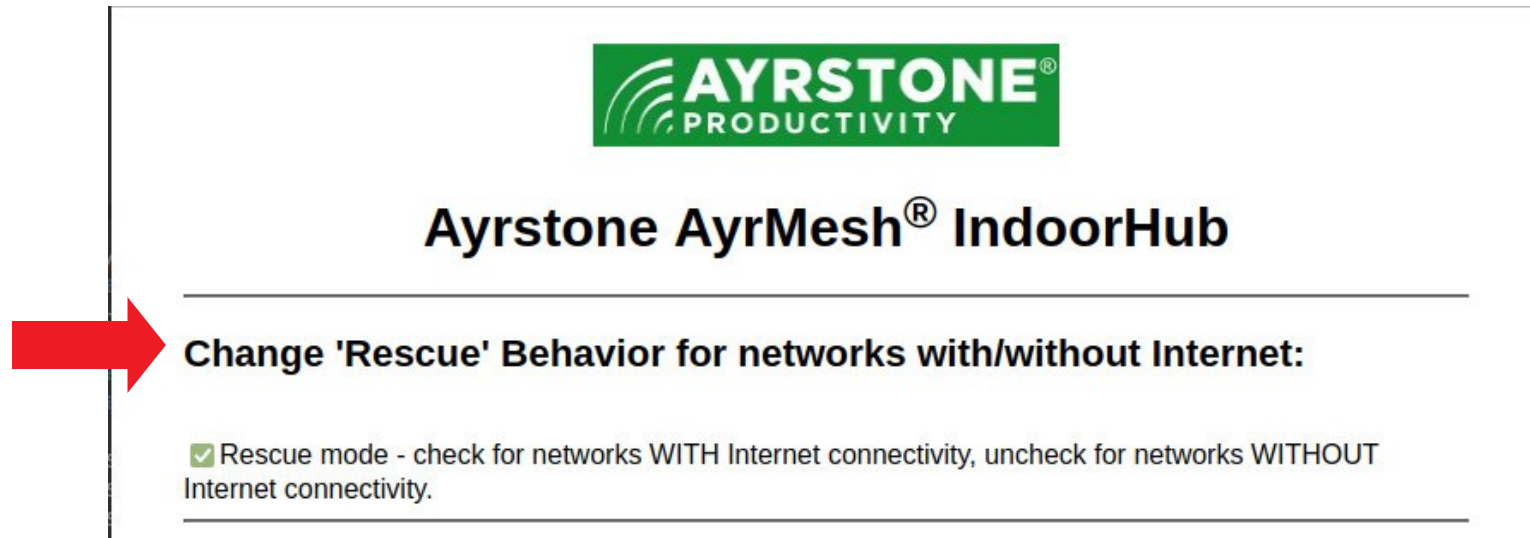


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Submit

Rescue Mode



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Rescue mode - check for networks WITH Internet connectivity, uncheck for networks WITHOUT Internet connectivity.

Rescue mode automatically reboots the IndoorHub if it misses 10 consecutive checkins to Ayrmesh.com (50 minutes).

If you have a network not connected to the Internet, turn Rescue mode off (uncheck this box) and click "Submit"

Top LED



The LED on top of the IndoorHub provides useful information about its connectivity, especially if it is being used as a Remote IndoorHub. However, it will always be on and/or blinking, which may be undesirable in some situations.

Unclick the box next to “Signal light on top of IndoorHub” to turn the light off (it will still blink blue when the Hub is booting). Click “Submit.”

Turn LEDs on/off:

Signal light on top of IndoorHub - check to turn the IndoorHub's LED ON, uncheck for LED OFF.

Submit