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Ayrstone AyrMesh™
Bridge Setup

Quickstart Guide
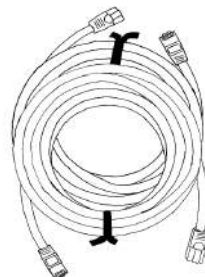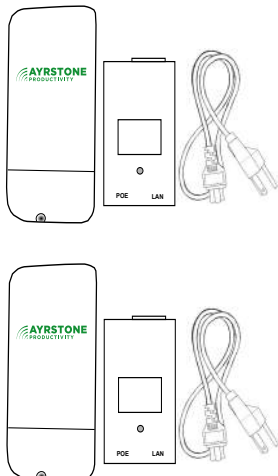Ayrstone.com

1 Start Here

Quickstart Guide- AyrMesh Bridge

Visit **Ayrstone.com/support** for detailed instructions, videos, slide shows, and a troubleshooting guide.

NOTE: The AyrMesh Bridge consists of two radios - the "Gateway" radio, which is connected to your existing network, and the "Remote" radio, which is connected to the device you want connected to your network
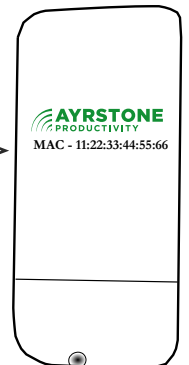
Check the contents of the box:

- AyrMesh Bridge (2 radios)
- Power Supplies (2)
- Power Cords (2)
- Ethernet Cables (2)
- Zip Ties (2 - not shown)

Write down the MAC addresses of your AyrMesh Bridge radios - keep them in a safe place

MAC Address →

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MAC - 11:22:33:44:55:66

If you don't have one, sign up for an account on AyrMesh.com

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Login
Username:
Password: |
☐ Remember me   Login
No Account? Sign up Here! | Reset Password

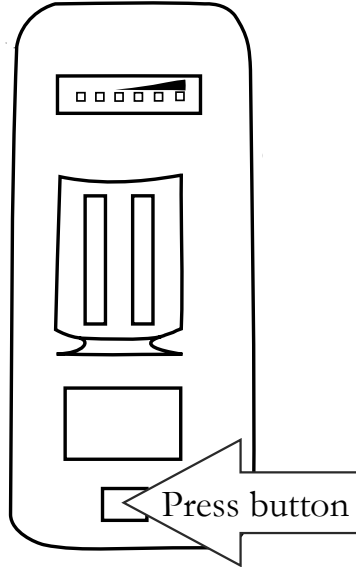**Use a computer connected to the same router as your AyrMesh Bridge!**

2 Assemble and attach to router

NOTE: Each Bridge radio must be "initialized" by connecting it to your router until it shows up in your AyrMesh.com account. This usually takes 5 minutes, but may take longer. We strongly suggest you do each half individually (do one, then the other)

Press button on the back of the Bridge radio and slide door open.

Press button

Click one end of an Ethernet cable into the port on the power supply marked "POE"

LAN

POE

Use another Ethernet cable to connect the LAN port of the power supply to one of the LAN ports on your router.

LAN

POE

Connect the power cable to the power supply
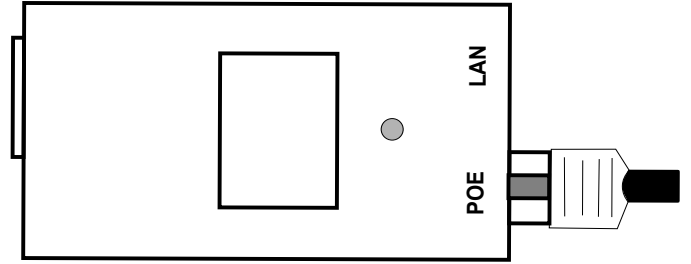
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LAN   Reset

Plug the other end of the Ethernet cable from the "POE" side of the power supply into the port on the Bridge radio - slide in until it clicks in place
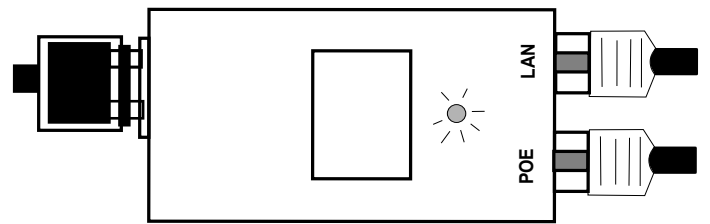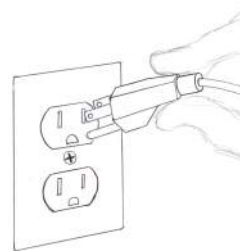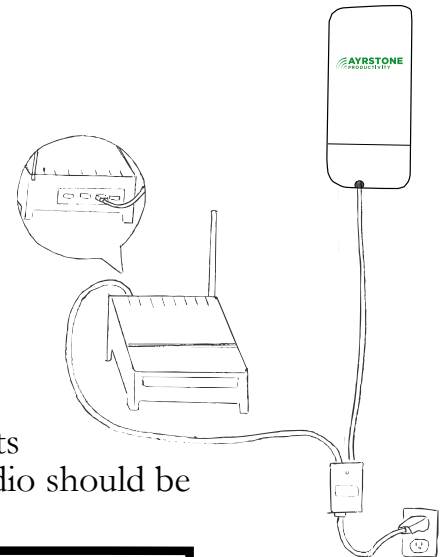
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DO NOT FORCE CABLES INTO OR OUT OF PORTS!

Slide the cover back onto the Bridge radio

Plug in the power supply. This is how the whole thing should look:

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The left two lights on the Bridge radio should be lit up:

Make sure you have an account on AyrMesh.com

3 Let the Bridge initialize itself

Each Bridge radio will check in to AyrMesh.com to download the configuration parameters for your account. This usually takes a few minutes, but may take longer.
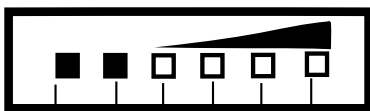
The power and Ethernet lights (left 2) will be on (the Ethernet light may flash), and the signal lights (right 4 lights) will start out "running" from left to right. When the Bridge half has checked in to AyrMesh.com, only the rightmost signal light will be on.

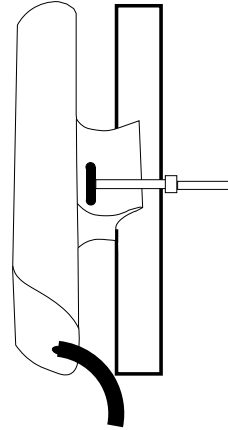Do NOT remove the Bridge radio from the router until after you see this light pattern.

5 Signal Lights on the Remote Half

Right Signal light - green
Third Signal light - green
Second Signal light - yellow
First Signal light - red
Ethernet activity light - green
Power light - green

4 Finish the Installation

Each Bridge radio should be mounted outside, up as high as possible, with the front pointing at the other Bridge radio. Maximum range for the Bridge depends on having clear line-of-sight.

The Bridge is most easily mounted to a pole with a zip-tie, as shown. The Ethernet Cable is connected to the PoE port of the power supply.

Remote radio uses the signal lights to show the signal strength from the Gateway radio. The signal strength is exhibited as follows:
- Just the first (red) signal light - very low signal
- First and second (yellow) light - good signal
- First, second, third (green) light - very good
- All 4 signal lights - excellent signal

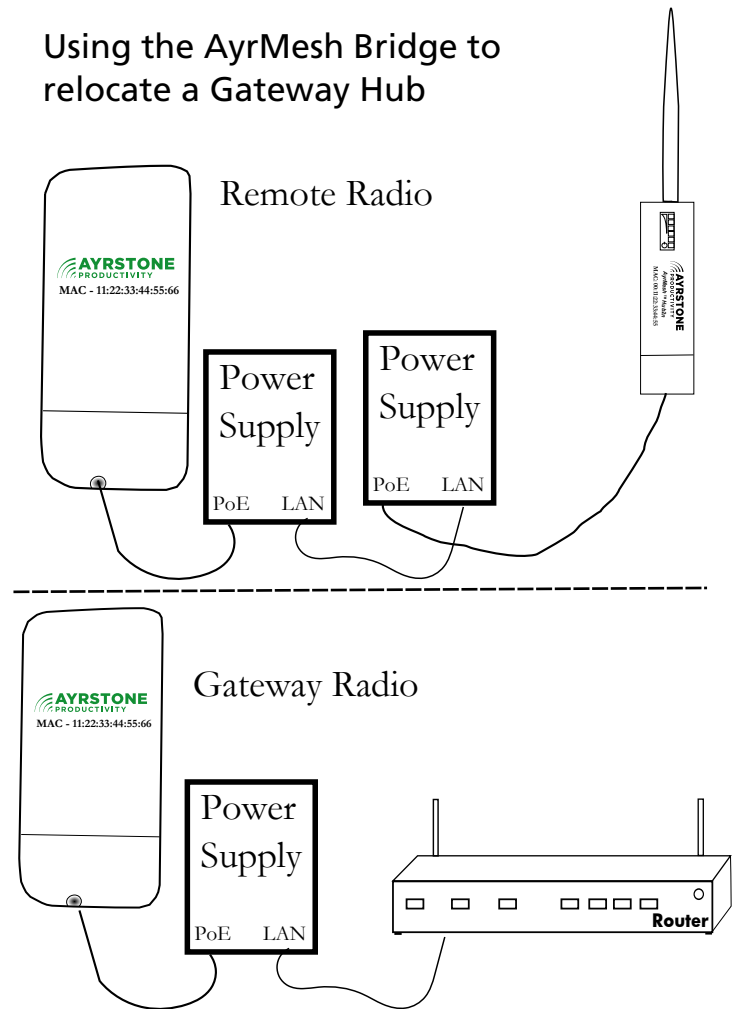The signal lights on a Bridge Remote are refreshed approximately once per second.

NOTE: To prevent water damage, make sure Bridge radios are mounted straight up and that the Ethernet cable has a "drip loop" where it enters any building.

6 Using the AyrMesh Bridge

Using the AyrMesh Bridge is extremely simple: mount the "Gateway" radio up high and in the clear, pointing where the "Remote" radio will be. Plug the "Remote" end into the device that you want on the network. Just plug whatever device you want to have on your network into the "LAN" port of the Remote Bridge radio's power supply.

Using the AyrMesh Bridge to relocate a Gateway Hub

Remote Radio

Gateway Radio

7 Troubleshooting

- *Ethernet Light does not come on, or Bridge does not appear in router's DHCP table, or bridge radio never checks in to AyrMesh.com*
- Check all cables between router and Bridge radio
- *Ethernet Light comes on, Bridge radio appears in router's DHCP table, but Bridge radio does not check in to AyrMesh.com*
- Add Bridge radio's MAC address to your AyrMesh.com account manually
- *Signal lights do not not come on once installed*
- Make sure Remote radio is pointed at Gateway radio and is in range.

See http://ayrstone.com/support for additional information, hints, and troubleshooting tips.