

1 Start Here

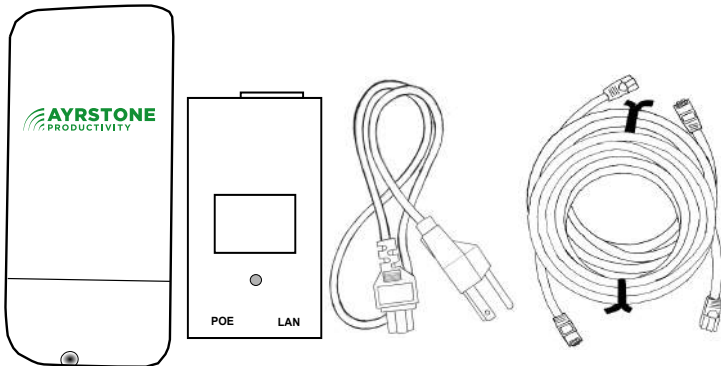


Quickstart Guide - AyrMesh™ Receiver

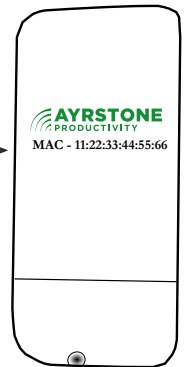
Visit [Ayrstone.com/support](https://www.ayrstone.com/support) for detailed instructions, videos, slide shows, and a troubleshooting guide.

Check the contents of the box:

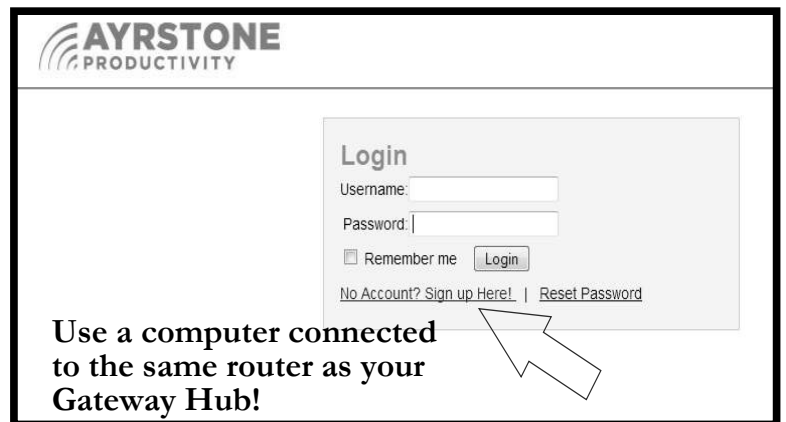
- AyrMesh Receiver
- Power Supply
- Power Cord
- (2) Ethernet Cables
- Zip Tie (not shown)



Write down the MAC address of your Receiver and keep it in a safe place



If you don't have one, sign up for an account on [AyrMesh.com](https://www.ayrstone.com)

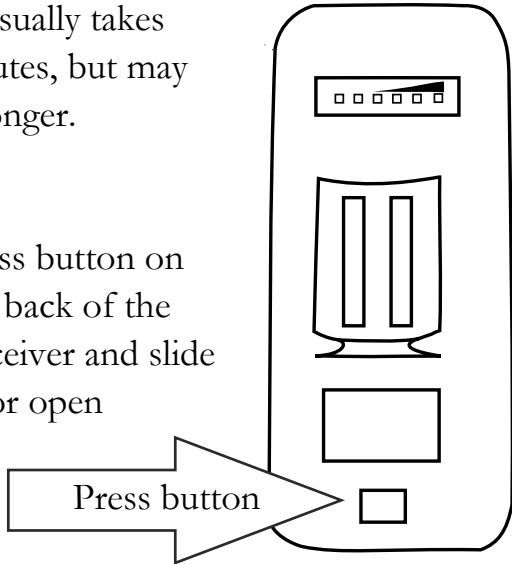


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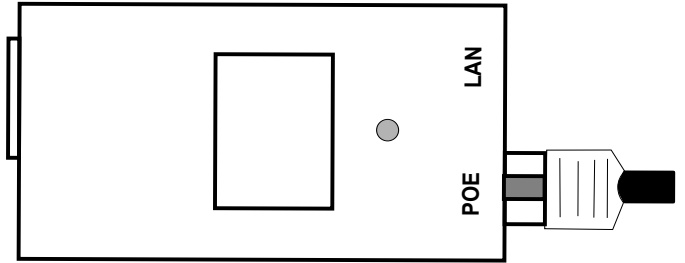
Assemble and attach to router

NOTE: Receiver 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.

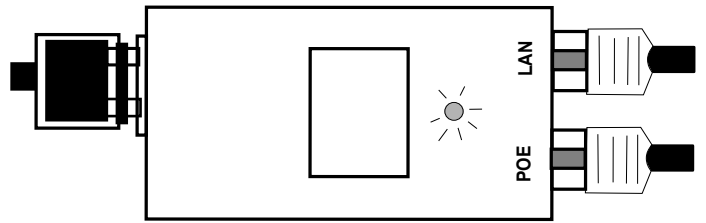
Press button on the back of the Receiver and slide door open



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



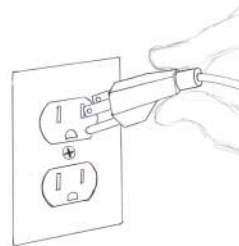
Use another Ethernet cable to connect the LAN port of the power supply to one of the LAN ports on your router.



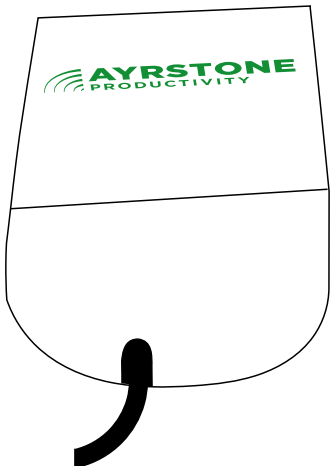
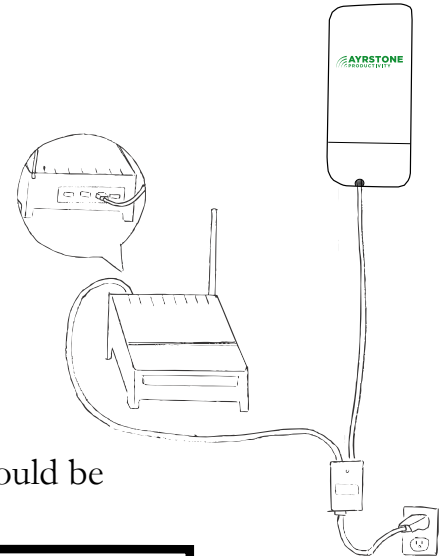
Connect the power cable to the power supply



Plug the other end of the Ethernet cable from the "POE" port on the power supply into the port on the Receiver - slide in until it clicks in place



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



DO NOT FORCE CABLES INTO OR OUT OF PORTS!

Slide the cover back onto the Hub

The left two lights on the Receiver should be lit up:



Make sure you have an account on AyrMesh.com

3 Let the Receiver initialize itself

The Receiver will check in to AyrMesh.com to download the configuration parameters for your AyrMesh Hubs. This usually takes a few minutes, but may take half an hour.



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 Receiver has checked in to AyrMesh.com, only the rightmost signal light will be on.

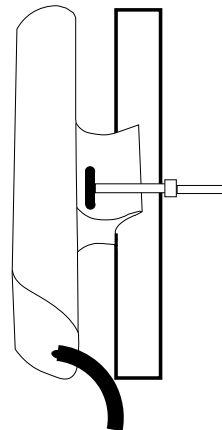


Do NOT remove the Receiver from the router until after you see this light pattern.

4 Finish the Installation

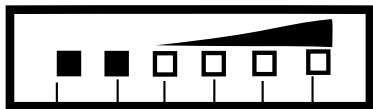
The Receiver should be mounted outside, up as high as possible, with the front pointing at the nearest AyrMesh Hub.

Maximum range for the Receiver depends on having clear line-of-sight.



The Receiver 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.

5 Signal Lights on the Receiver



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

Receivers use the signal lights to show the signal strength to the nearest Hub. 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 Receiver are refreshed approximately once per second.

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

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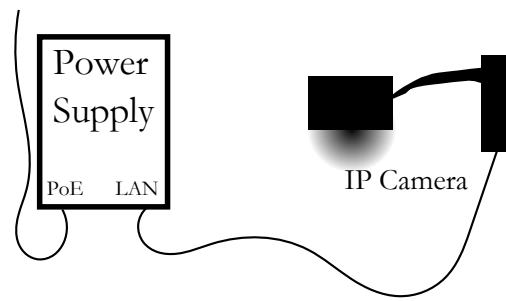
Using the AyrMesh Receiver

Using the AyrMesh Receiver is extremely simple: just plug whatever device you want to have join your network into the "LAN" port of the Receiver's power supply.

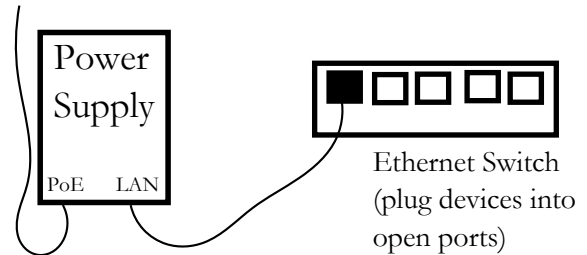
For instance, to connect an IP camera to the AyrMesh Receiver, just run an Ethernet cable from the camera to the Receiver's LAN port.

To use the Receiver to provide connectivity inside a building, mount the Receiver outside and connect a WiFi Access Point's "WAN" port to the Receiver's "LAN" port with an Ethernet Cable. Make sure the WiFi Access Point is in "bridge" mode (or plug into one of the "LAN" ports) with its DHCP server off so it is not acting as a router. Also make sure it has a different IP address from your main router.

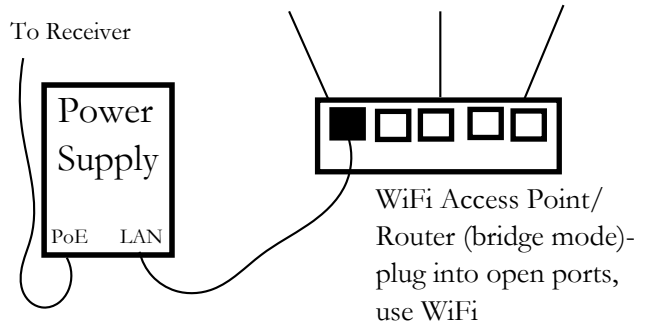
To Receiver



To Receiver



To Receiver



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Troubleshooting

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

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