

1 Start Here

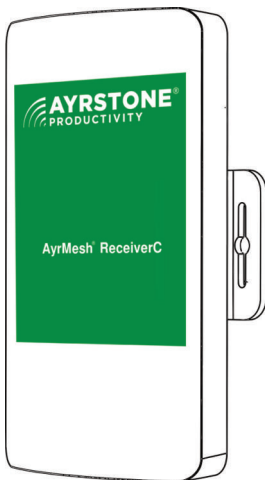


Quickstart Guide - AyrMesh® ReceiverC

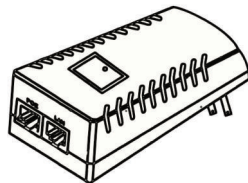
Check Contents of the box:

1. ReceiverC
2. Power Supply
3. (2) Ethernet Cables
4. Metallic strap

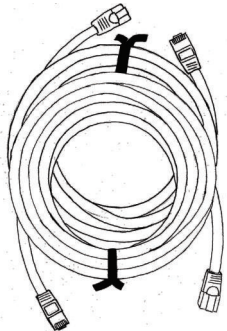
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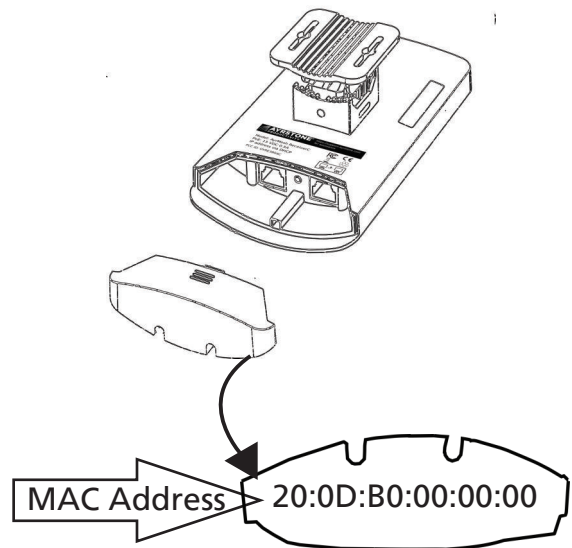
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④



Open the door on the bottom of the Receiver - just put your thumb on the grip lines on the door, press gently, and pull. The MAC address is inside the bottom of the door. Write down the MAC address of your Receiver here (if it's not here already) and store it with these directions.



If you don't have an account on AyrMesh.com, create one now using a device connected to your network (not a cellphone unless it's connected to your router via WiFi):

Login

Username:

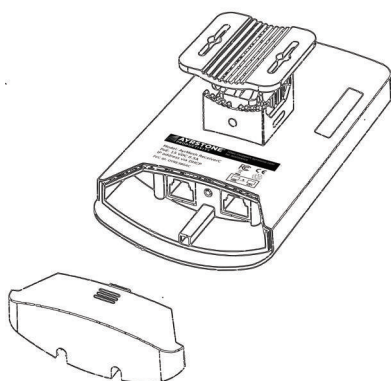
Password:

☐ Remember me

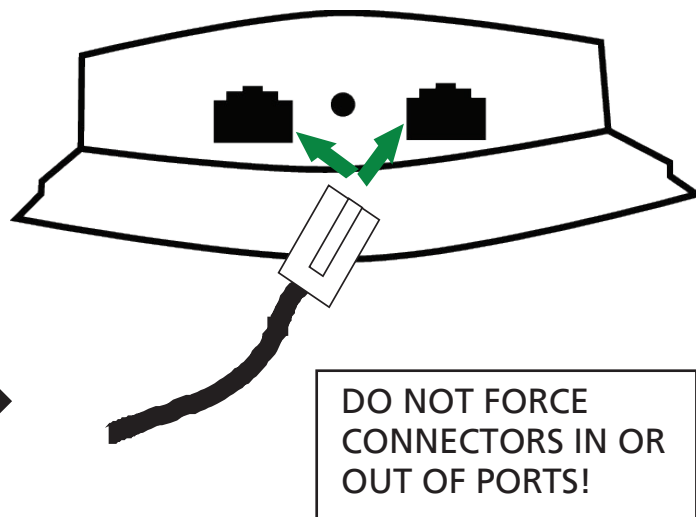
[No Account? Sign up Here!](#) | [Reset Password](#)

2 Assemble the ReceiverC and initialize

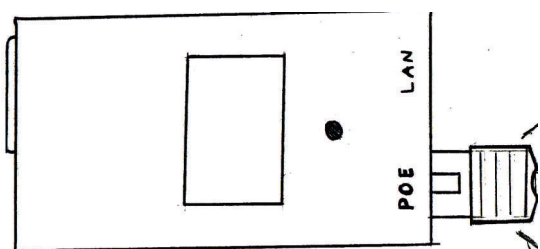
A. The door of your Receiver should already be open; if it's not, please open it:



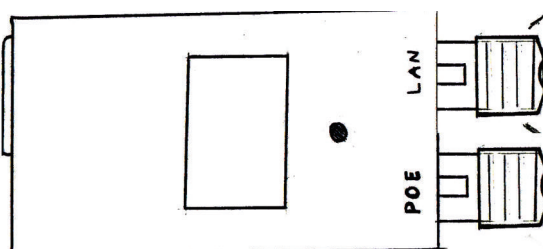
B. Plug an Ethernet cable into either port on the Receiver - slide in until it clicks in place:



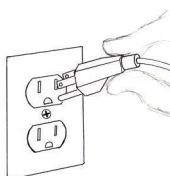
C. Click the other end of the Ethernet cable into the port on the power supply marked "POE":



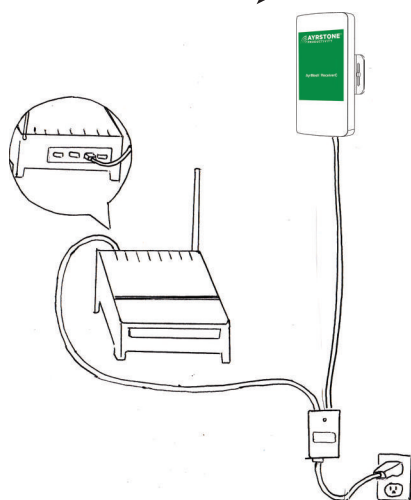
D. Use another Ethernet cable to connect the LAN port of the power supply to one of the LAN ports on your router.



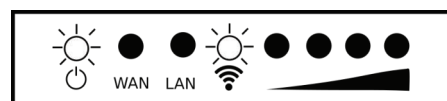
E. Plug the power supply into the wall:



This is how the setup should look:



F. The Power light should be on; the signal lights will go on and off, then the Wireless light should also start blinking:

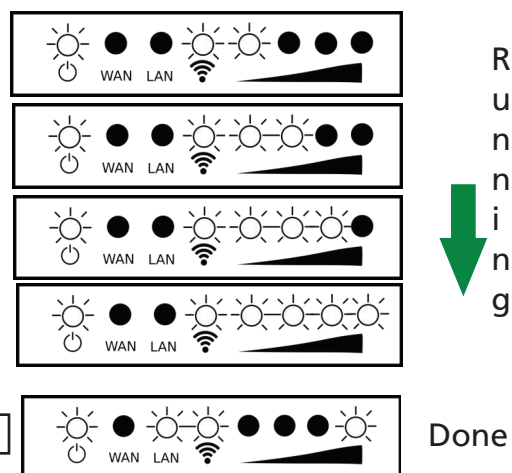
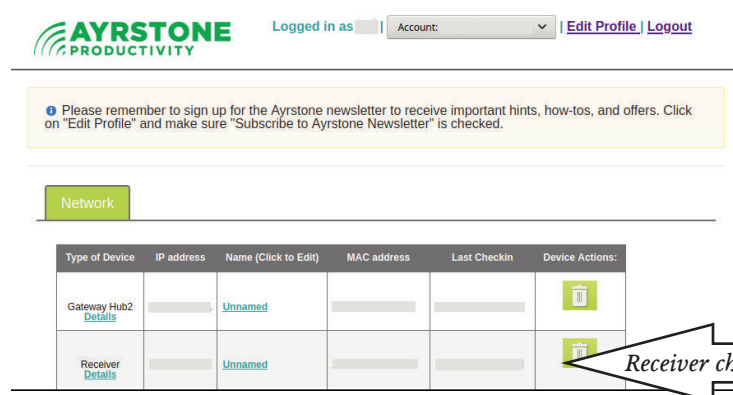


3

Make Sure ReceiverC is Working

It usually takes about 1-2 minutes for the Receiver to check in and show up on AyrMesh.com, but sometimes it takes a bit longer. If it hasn't shown up after 5 minutes, try adding it manually with the MAC address:

The signal lights (4 top lights) will start out "running" from bottom to top (or left to right if it's laying down). When the Receiver has checked in to AyrMesh.com, just the top signal light will be on, as well as either the "LAN" or "WAN" light.



4

Finish the installation

The Receiver should be mounted outside, up high, and pointed at the nearest Hub (unless the Hub is within 400 yards - point it at right angles to the Hub if it is mounted close).

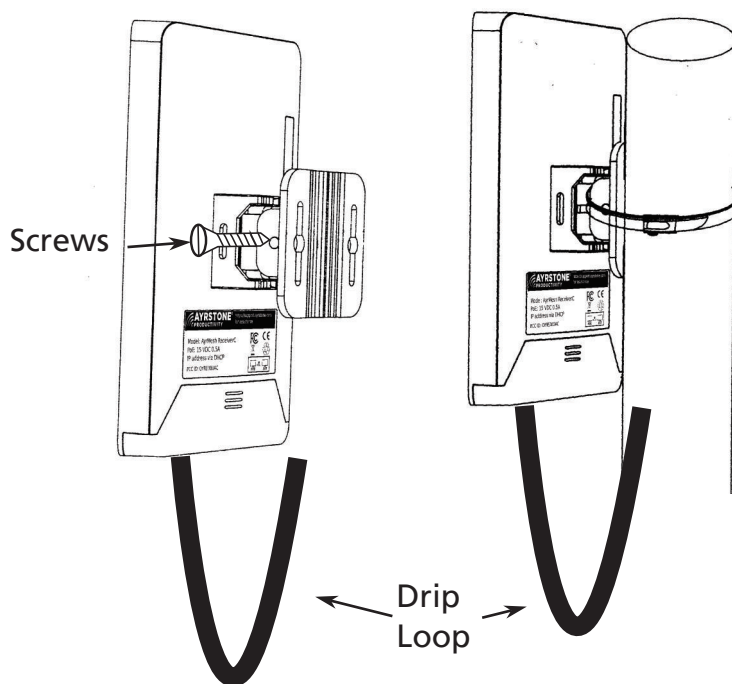
Maximum range for the Receiver depends on having clear line-of-sight to the Hub. With clear line-of-sight, it will work up to 2 miles away.

The Receiver can be mounted to a flat surface with two screws, or to a pole with the included steel band.

Click the Ethernet cable from the Power Supply into either Ethernet port on the bottom of the Receiver.

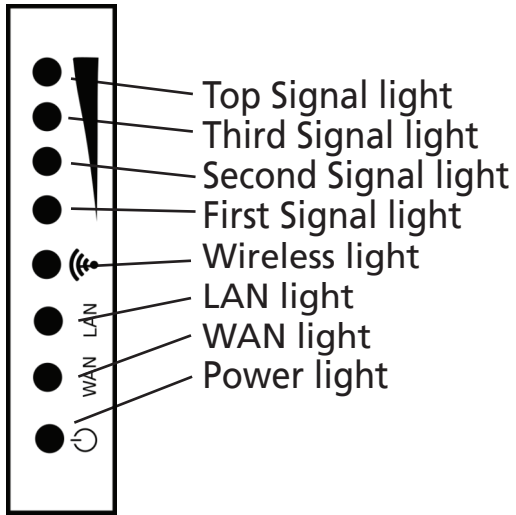
Carefully put the door back on the Receiver - make sure the cable is in one of the cutouts in the bottom of the Receiver.

When mounting the Receiver, make sure to leave a "Drip Loop" in the cable where it enters the building so water does not run down the cable to the power supply.



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Signal lights on the ReceiverC



The Power light should be on steady and the signal lights indicating signal strength as shown:

No lights - no signal

First Signal light - very weak signal

Second Signal light - fair signal

Third Signal light - good signal

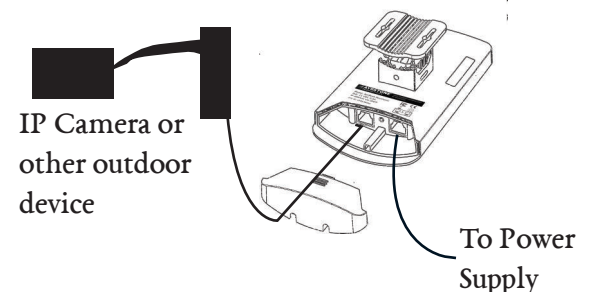
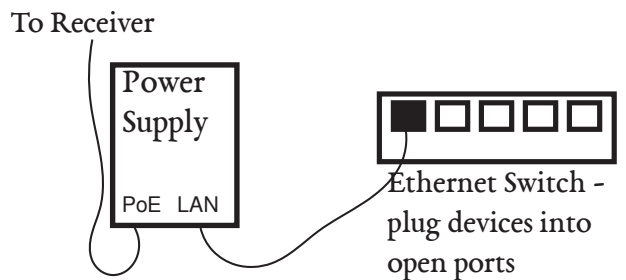
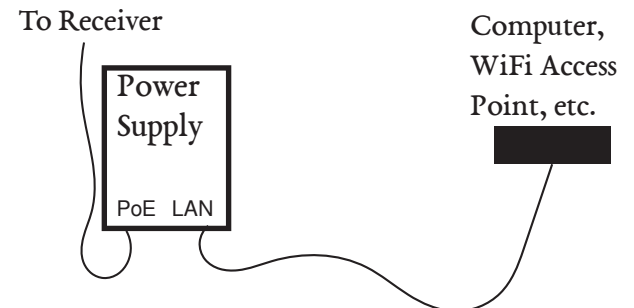
Fourth Signal light - very strong (may be too close)

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Using the ReceiverC

Using the AyrMesh Receiver is extremely simple: just plug whatever indoor device you want to have join your network into the "LAN" port of the Receiver's power supply. For instance, to connect a computer or other device to the AyrMesh Receiver, just run an Ethernet cable from the camera to the Receiver's Power Supply LAN port. You can also connect an Ethernet Switch to provide additional ports. To use the Receiver to connect an outside device, just connect it to the open Ethernet port on the bottom of the Receiver. **NOTE:** the Receiver does NOT provide power (PoE) for external devices.

DO NOT TRY TO USE A ROUTER FOR INDOOR WIFI. A second router will commonly cause an IP address conflict, bringing your entire network to a halt. A wireless router can be used this way, but it must be configured in "access point" mode (if available) or with a separate IP subnet.



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Troubleshooting

• NO LIGHTS ON

- make sure power supply light is on steady (not pulsing or blinking); if not, make sure power cable is fully plugged into power supply and into the wall plug. Make sure the wall plug has power. If power supply won't light up, contact Ayrstone support.
- check cables: make sure all cables are fully clicked into place; use a known-good short Ethernet cable (available at most hardware stores).

• SIGNAL LIGHTS CONTINUE TO "CHASE" AND/OR HUB DOES NOT CHECK IN TO AYRMESH.COM DURING INITIALIZATION

- Make sure your router has Internet access
- If Hub does not appear in your account, enter the MAC address into your account on AyrMesh.com by hand.

• RECEIVER DOES NOT CONNECT TO HUB

- Make sure Hub's signal is strong enough - within 2 miles with good line-of-sight
- Double-check to make sure Receiver appears in your AyrMesh.com account, indicating that it successfully initialized. If not, re-initialize (connect to router)

• NETWORK CRASHES AFTER AYRMESH DEVICE ADDED

- Check for another router - do not use secondary routers on your network unless you understand IP networking, especially subnets and NAT.
- Check for static addresses on your network - do not use static IP addresses on devices in your network; use DHCP reservations instead to avoid IP address conflicts. Also, of course, do not use a second router as an access point unless you are very conversant with IP subnets and NAT.
- Check for network loops - commonly caused by devices with multiple ways to connect to the network (e.g. laptops, printers, or cameras with both Ethernet and WiFi)

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

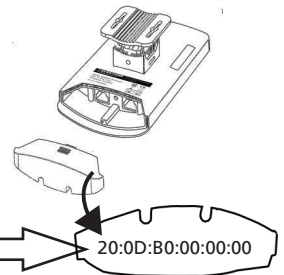
ULTRA-QUICKSTART GUIDE



These minimized directions are intended for more knowledgeable or experienced installers, or just for the impatient. Turn this booklet over for more in-depth instructions, and see <https://support.ayrstone.com> for additional information.

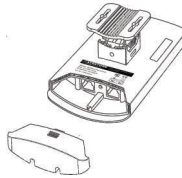
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GET READY: Write down the MAC address of the Receiver in the box below and put it somewhere safe. If you haven't already, create an account on AyrMesh.com from a computer connected to the same router that the Receiver will be connected to. This ensures you won't have to enter the Receiver's MAC address manually.



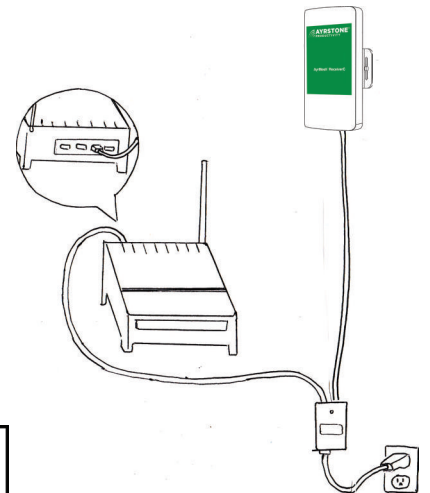
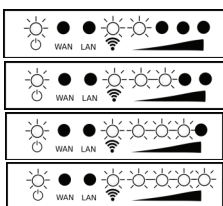
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ASSEMBLE: If you haven't already, open the door on the bottom of the Receiver, exposing the Ethernet ports.



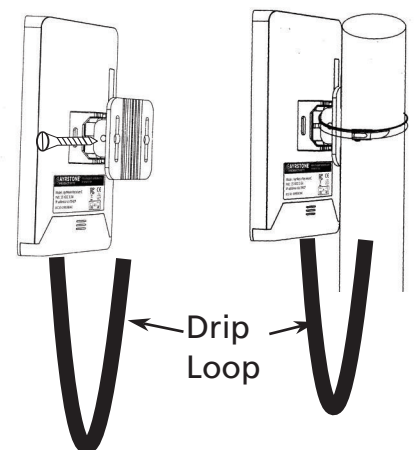
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INITIALIZE: With an Ethernet cable, connect the LAN port of the Power Supply to your router. With another Ethernet cable, connect the PoE port of the Power Supply to either port on the bottom of the Receiver. Plug in the power supply (lights on the Receiver will go on). Wait until the Receiver checks in to AyrMesh.com - the signal lights will "run" from bottom to top, then the top signal light will remain lit. This should take about a minute.



4

INSTALL: Mount the Receiver outdoors, high and "in the clear." Run a long (preferably shielded - STP) Ethernet cable from the power supply (which must be kept dry) to the Receiver - remember to leave a "drip loop" where the cable enters the building to prevent water from coming down the cable inside.



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