

1 Start Here



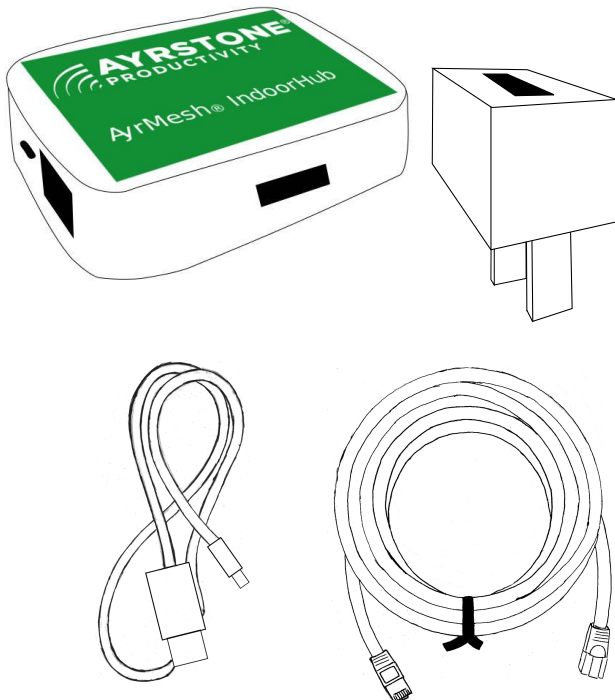
Quickstart Guide - AyrMesh® IndoorHub

Turn over for one-page "Ultra QuickStart" Instructions.

Please visit <http://support.ayrstone.com> for detailed instructions, videos, slide shows, and a troubleshooting guide.

AyrMesh IndoorHubs can be used two ways: as a Gateway, which is a simple access point, and as a Remote, which acts as a wireless extender for an IndoorHub Gateway.

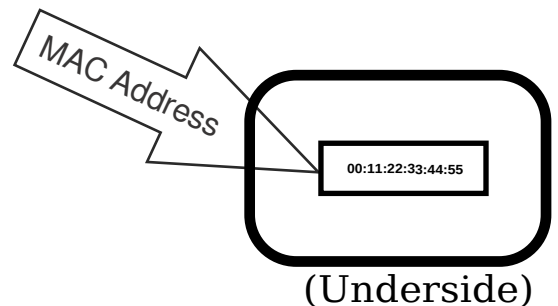
Check the contents of the box:



- IndoorHub
- USB Power Supply
- USB micro cable
- Ethernet Cable

Write down the MAC address of your IndoorHub, write it here, and keep it in a safe place:

0C:EF:



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



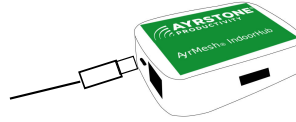
Use a computer connected to the same port you're using for the IndoorHub!

A screenshot of the AyrMesh login page. It features a "Login" section with fields for "Username:" and "Password:". Below these fields are checkboxes for "Remember me" and a "Login" button. At the bottom of the login section, there are links: "No Account? Sign up Here!" and "Reset Password". An arrow points from the "No Account? Sign up Here!" link to the text "If you don't have an account, sign up for one on AyrMesh.com" located above the screenshot.

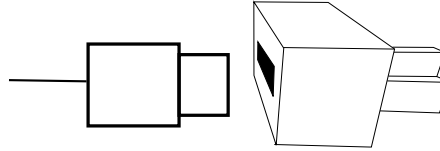
2

Assemble and Connect

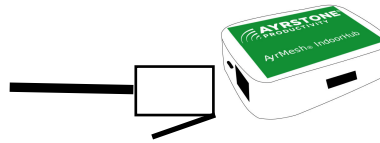
Connect the "micro" side of the USB cable to the IndoorHub:



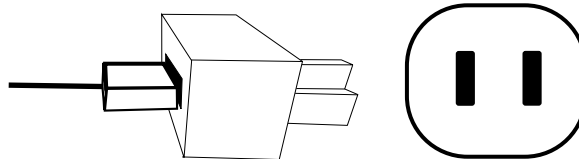
Connect the "regular" side of the USB cable to the power supply:



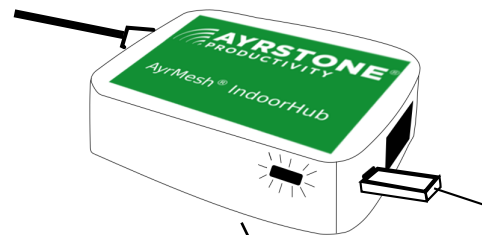
...And then connect the IndoorHub to your network with an Ethernet cable (use either port on the IndoorHub):



Plug the power supply into the wall and wait for the IndoorHub to boot:

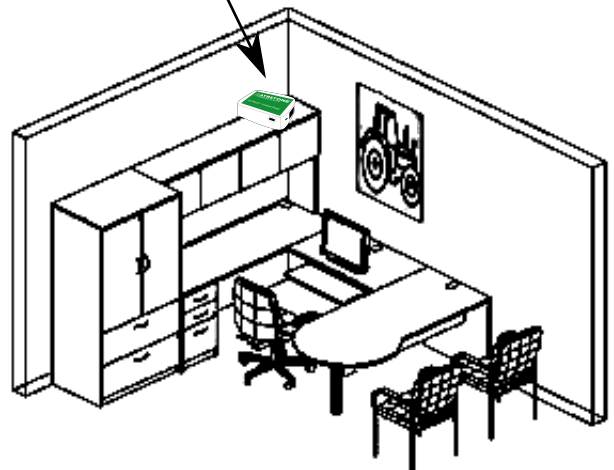


Wait for the light on the IndoorHub to stay on solid (no blink) - this indicates the IndoorHub has successfully checked in to AyrMesh.com and downloaded its configuration. For a Gateway IndoorHub (one connected to your network with an Ethernet cable), that's it - mount the IndoorHub where you want it. For a Remote IndoorHub, that indicates it is initialized. It can be disconnected from the Ethernet and moved wherever you want it to be installed.



For best performance, mount IndoorHubs as high and "in the clear" as possible.

Make sure you have an account on AyrMesh.com



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Make sure the IndoorHub is working



Gateway Hub	192.168.1.132	connected	15/12/2013 3:00 PM	1
Receiver Hub	192.168.1.133	connected	15/12/2013 3:00 PM	1
Indoor Hub	192.168.1.134	connected	15/12/2013 3:00 PM	1
Receiver Hub	192.168.1.135	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.136	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.137	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.138	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.139	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.140	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.141	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.142	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.143	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.144	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.145	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.146	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.147	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.148	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.149	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.150	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.151	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.152	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.153	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.154	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.155	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.156	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.157	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.158	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.159	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.160	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.161	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.162	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.163	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.164	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.165	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.166	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.167	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.168	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.169	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.170	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.171	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.172	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.173	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.174	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.175	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.176	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.177	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.178	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.179	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.180	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.181	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.182	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.183	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.184	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.185	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.186	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.187	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.188	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.189	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.190	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.191	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.192	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.193	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.194	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.195	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.196	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.197	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.198	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.199	connected	15/12/2013 3:00 PM	1
Gateway Hub	192.168.1.200	connected	15/12/2013 3:00 PM	1

IndoorHub is checking in

The light on the IndoorHub indicates its state. For a Gateway IndoorHub, the light should be on steady. For a Remote IndoorHub, the light should blink, and the rate of the blink indicates the signal strength to the next IndoorHub. Blinking quickly (less than a second on and off) means the IndoorHub is not "talking" to another Hub. One second on and one second off indicates a very strong signal, while 4 seconds on and 4 seconds off indicates a very weak signal.

It usually takes less than a minute for the IndoorHub to check in and show up on AyrMesh.com, but sometimes it can take a little longer.

The IndoorHub will have the same encryption passkey as your AyrMesh Hubs (as set on AyrMesh.com), and the SSID will be the same but with "_IndoorAP" appended on the end. This is to keep AyrMesh Receivers from connecting to the IndoorHub.

Note that devices can be plugged into either Ethernet port of the IndoorHub to connect them to the network.

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Troubleshooting

If a Gateway IndoorHub's light is blinking quickly, then the device it's connected to may not be online. Make sure the Bridge, Receiver, Hub, or router it is connected to is actually online and able to reach the Internet.

If a Remote IndoorHub's light is blinking quickly, then it cannot reach the Internet, usually because it cannot connect to another IndoorHub. Make sure the Gateway IndoorHub is working correctly, as well as any other IndoorHubs between this one and the Gateway.

Low bandwidth (slow upload/download) may be caused by several things:

- Low bandwidth at the device the Gateway IndoorHub is connected to - check it.
- Poor positioning of IndoorHub(s) - higher and in the clear is better.
- Too many IndoorHubs - bandwidth is diminished at each "hop" across an IndoorHub, and too many IndoorHubs in a relatively small area will interfere with each other.

Note that IndoorHubs will only mesh with other IndoorHubs, not with the Outdoor Hubs - to use a Remote IndoorHub, you must have a working Gateway IndoorHub.

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

ULTRA-QUICKSTART GUIDE

These directions are minimized for more knowledgeable/experienced installers. For the "regular" Quickstart instructions, turn these directions over. For more detailed instructions, please see <https://support/ayrstone.com>

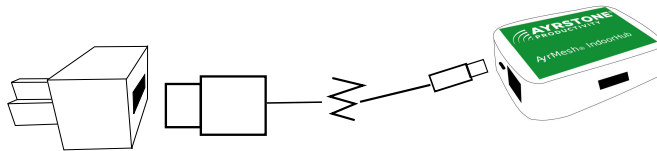
1

GET READY: Write down the MAC address of the IndoorHub and put it someplace safe. If you haven't already, create an account on AyrMesh.com. Note: if you don't already have AyrMesh devices, create the account from a computer connected to the same router you'll connect the IndoorHub to. Otherwise you may need to enter the MAC address manually.

MAC Addr: 0C:EF:

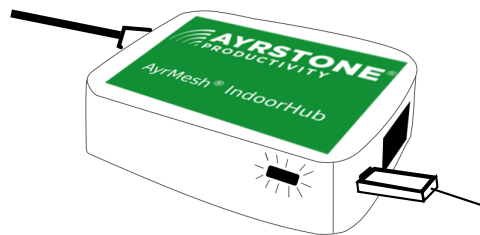
2

ASSEMBLE: Connect the IndoorHub to the power supply with the USB cable.



3

INITIALIZE: With an Ethernet cable, connect one of the Ethernet ports of the IndoorHub to your network (router, Hub, Receiver, Bridge radio, etc.), then plug in the power supply. Wait until the IndoorHub checks in to AyrMesh.com - the light will go from blinking rapidly to steady on. This should take about a minute.



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INSTALL: Mount the IndoorHub as high and "in the clear" as possible. You can connect other devices to either of the Ethernet ports on the IndoorAP.

