



Ayrstone AyrMesh® Wireless Farm Networking

Having wireless data access all over your farm is no longer a luxury – it’s a necessity. But cellular service is spotty (at best) and, besides, it’s expensive and doesn’t support all the devices you can use with WiFi.

But everyone knows WiFi is just for use indoors, or out in the garden at most. Until now...

Ayrstone AyrMesh uses high-power outdoor meshing WiFi to let you quickly, inexpensively, and easily cover thousands of acres with WiFi. You can even bring your network into outbuildings and provide indoor WiFi.

AyrMesh allows you to extend wireless coverage anywhere you need it - across acres or tens of thousands of acres.

Learn more about Ayrstone AyrMesh at:

Ayrstone.com

AyrMesh Key Features:

- Uses standard WiFi – works with thousands of common devices
- Meshing allows coverage of hundreds or even thousands of acres
- Very easy to set up and use – no technician required
- Modular – from a single Hub to provide WiFi in the yard to farm-wide WiFi over thousands of acres and into buildings
- Guaranteed – only money-back guarantee in the industry
- Friendly customer service – folks who don’t expect you to be a "techie"

Get the AyrMesh® System and use your Internet connection anywhere on the farm.

The AyrMesh Wireless Farm Network allows you to have a normal WiFi connection out on your porch, in the garden, across the yard, into your office, barns, and other outbuildings, and even out into your fields. It allows you to use the Internet in places on your farm you can't get cellular data, and to save money on all your cellular data connections. It lets you set up cameras and other security equipment to make your farm safer for you and your family. Finally, it helps you automate the farm by giving you a strong, reliable Local-Area Network (LAN) that all the new automation and Internet of Things (IoT) devices can use.

The AyrMesh Hub - build your network.

The AyrMesh Hub is the building block of the AyrMesh network : small, lightweight, and weatherproof. The first Hub, called the Gateway, connects to your router and is mounted outside, up high and in the clear for maximum range. Additional Hubs, called Remotes, require only power and extend the network across your property. Hubs can be up to 2.5 miles apart, and Remote Hubs can be “stacked” up to 3 hops away in every direction. Each Hub provide a normal WiFi N (802.11n) signal for laptops, tablets, smartphones, and other WiFi devices; Remotes also provide an Ethernet port for wired devices. The first step in building your AyrMesh network is to put up Hubs where you want to have WiFi, starting wherever you have your Internet connection. The system is completely modular: you can just start with one Hub to see how it works, then add more Hubs to build out your network later.



AyrMesh Cab Hub2 - bring your AyrMesh Network to your Farm Machines.



The AyrMesh Cab Hub2 is a special Hub that is used on farm equipment - tractors, sprayers, combines, even trucks or UTVs - to provide connectivity for devices in and around those machines. It works just like any other Hub, but connects to the in-cab power and includes special antennas for use on vehicles. It communicates with all the Hubs on your network to keep you connected.

AyrMesh Receiver – connect buildings and non-WiFi devices.



Bring your network inside of buildings where outdoor WiFi won't penetrate, or connect Ethernet-only devices with the AyrMesh Receiver. Small, lightweight, weatherproof, and easy to mount, the AyrMesh Receiver turns the WiFi signal from the AyrMesh Hub to an Ethernet connection. You can connect any Ethernet device to it, connect an Ethernet switch to create more Ethernet ports, or use an AyrMesh IndoorHub for indoor WiFi.

AyrMesh IndoorHub – Indoor WiFi for your farm buildings.



The IndoorHub is a simple, small device that works with the AyrMesh outdoor products – the AyrMesh Hubs, Receivers, and Bridges – to provide a strong indoor signal. It connects to the LAN port of any AyrMesh device and provides indoor WiFi connectivity, configured to avoid interfering with your Hubs. It even has an Ethernet port so wired devices can be connected. The IndoorHub is also a meshing access point, so multiple IndoorHubs can be used to “fill” a large building.

AyrMesh Bridge - for the longer hop

The AyrMesh Bridge is a simple point-to-point microwave bridge. It does not provide WiFi; it simply connects one place to another as if they were connected by a wireless Ethernet cable – up to 5 miles long!



The AyrMesh Bridge works in the 5.8 GHz microwave band, so it does not interfere with the AyrMesh Hubs.



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