



Wi-Fi Antenna Installation Hot Spot Setup & Customization

Unpack the box and find the following items:

- 15 dbi High Gain Omni Directional Antenna
- Ubiquiti Bullet M2^{HP} Wireless Station/Router
- Ubiquiti AirGateway Hot Spot
- Cat5 Ethernet Cable
- POE Injector module
- These instructions

Mounting the Antenna



The 15 dbi high gain antenna should be mounted vertically in a location with an unobstructed 360° view of the horizon. A minimum desired height is 12 feet above the water. Use the manufacturer supplied mounting to attach the antenna on a vertical pole or antenna mount. Assure the radio is mounted where the indicator lights can be easily seen.

Unscrew the bottom cap from the bottom of the Bullet M2 Radio and carefully remove and save the small white seal from the cap. Insert the small end of the Cat5 cable through the end cap and plug it into the jack at the base of the Bullet M2 Radio. Replace the end cap, twist the white seal to open the split, place it over the Cat5 cable and insert it into the end of the end cap.



Routing the Cat5 cable.

- Never splice a Cat5 cable. If you need additional length, replace the cable with a continuous Cat5 cable of the length required.
- When routing the Cat5 cable there is absolutely no loss of signal in the cable so pick a routing that is easy for you. Avoid attaching it to wiring bundles that may contain AC current. DC current will have no effect.
- Pick a convenient location inside the boat where you will mount the Air Gateway Hot Spot and Power Injector. This should be a place that is easy to reach from your navigation station or desk but yet out of the way and adjacent to a 12 Volt DC power source.

Mounting the AirGateway Hot Spot & Power Injector

Locate a source of 12 Volts DC power that is protected by a 5 Amp or less DC Breaker or fuse. *If you do not have such, you must add a 5 Amp or less DC Breaker to your ships electrical panel or add an in-line 2 Amp fuse when connecting the Power Injector cable to the ships power.*

Connect Power Injector power cable to ships power.

Connect the Power Injector cable to 12 DC power as follows:

- a) Connect the wire with the red stripe to 12 Volts DC positive (+) power.
- b) Connect the solid black wire to 12 Volt DC negative (-) ground.

Assembling the AirGateway Hot Spot

- Connect the power injector onto the AirGateway.
- Plug the Cat5 cable from the antenna into the POE jack on the AirGateway.
- When complete, it should look like the picture to the right.
- If desired, a Ethernet enabled device such as a Printer, Navigation System or Data Switch hosting multiple devices may be connected to the LAN port on the AirGateway.

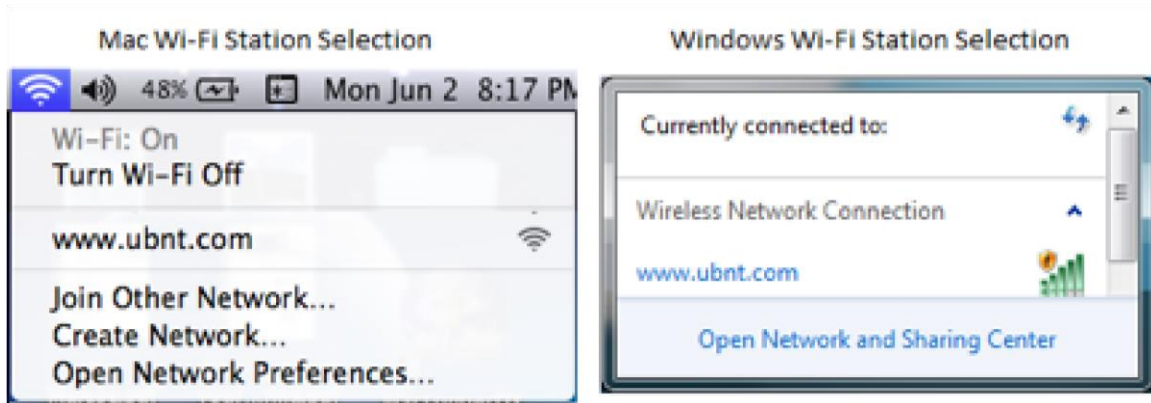
This completes the installation of your Wi-Fi for Boats Wi-Fi Antenna System.

Next we will Setup & Customize your AirGateway Hot Spot.



AirGateway Hot Spot Setup

For next part of the instructions we will be using your computer's Wi-Fi.
Turn on your computer's wi-fi and select www.ubnt.com as the wi-fi station.



Open your internet browser and enter 192.168.1.1 on the address line.



Press Return

Press Enter

Your browser will open with the following screen.

The image shows a screenshot of the AirOS login page. The page has a dark background with the "airOS" logo in the top left. The login form includes fields for "Username:" (with "ubnt" entered), "Password:" (with "****" entered), "Country:" (with a dropdown menu showing "Select Your Country"), and "Language:" (with a dropdown menu showing "English"). Below the form is a "TERMS OF USE" section with a paragraph of text and a checkbox labeled "I agree to these terms of use". A "Login" button is located at the bottom right of the form.

Username: **ubnt**

Password: **ubnt**

Select **United States**

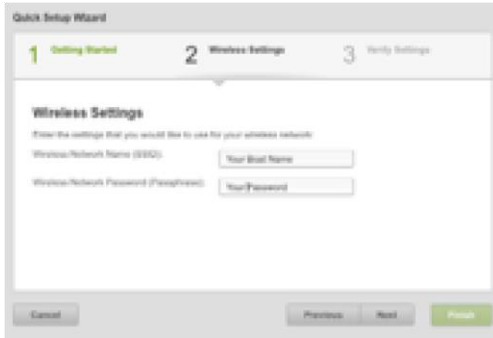
Select English

Click the "I agree to these terms of use" box and then

Click Login



On the next screen enter **Admin** in both the the New Password and Verify Password boxes and press Next to proceed.



Enter a **Name** for your AirGateway Hot Spot. A suggestion is to use the name of your boat for the Wireless Network Name.

Enter a secret **Password** that secures your AirGateway Hot Spot.

Press Next to proceed.



Verify the information you have entered. If you need to make a correction you can press Previous to make corrections and then proceed.

If everything is correct, press Finish

Close your browser while the AirGateway Hot Spot Restarts.

Restart your Wi-Fi connection and in a few moments you will see a new station appear with the **Name** you selected for your Hot Spot. When you connect you will be ask for the secrete **Password** you entered for the Wireless Network Password in the steps above.

Your Hot Spot setup and customization is complete. Continue with the “Using your Wi-Fi for Boats System” instructions.

Thank you for your purchase! If you experience any problems please contact me by calling my cell phone at 202 286-0213 or e-mail to dalton@wififorboats.com.