**Moray 3D Demo.**

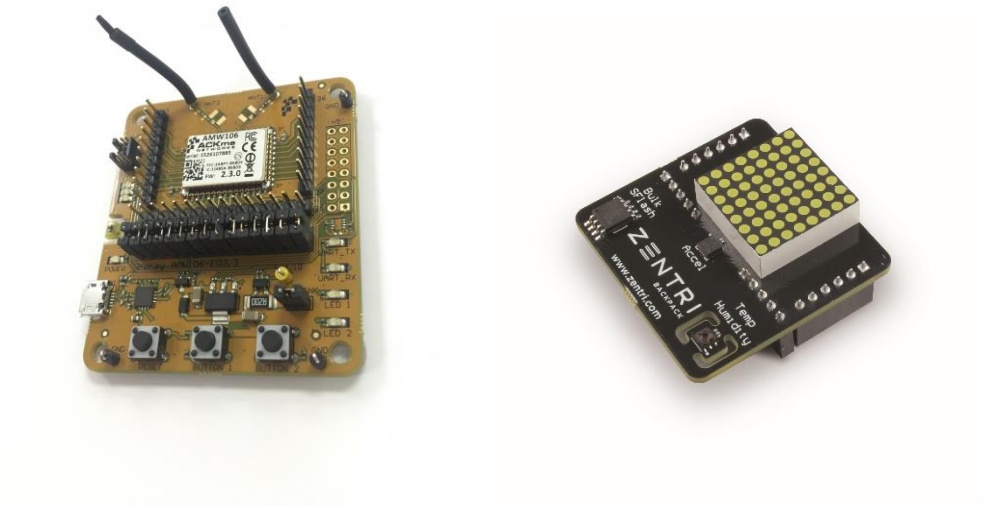
*WARNING: The Moray3D firmware is a NON STANDARD firmware designed purely for field sales agents to show some possibilities. As this demo is NON STANDARD, it should NOT be given away. The code is unsupported and customers cannot use the demo board in the manner it was intended*

Introduction

With our solution, customers can use the module as a peripheral to an external microcontroller, or for added security, run their encrypted application directly on the module.

Moray3D demonstrates a simple application that shows a number of Wi-Fi services including webserver, mDNS, DHCP server and SoftAP. The demo also demonstrates the module acting as an $I^2C$ master with a number of peripherals on the bus. On the $I^2C$ bus is an LED display, serial Flash, humidity sensor and a temp sensor.

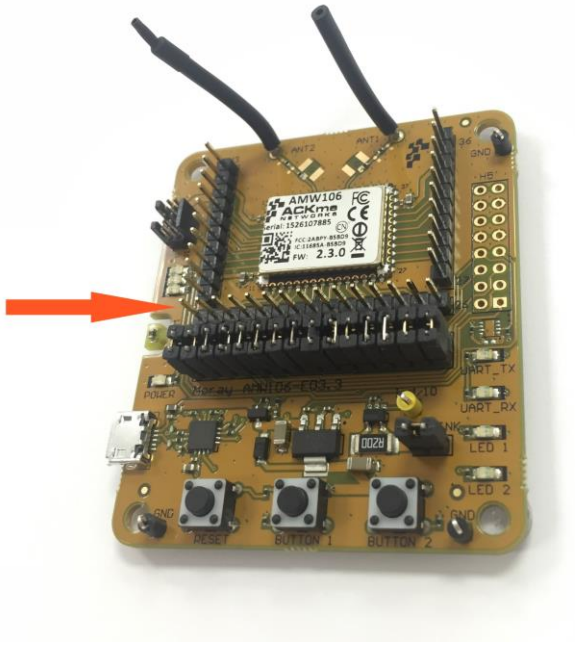
How to use this demonstration?

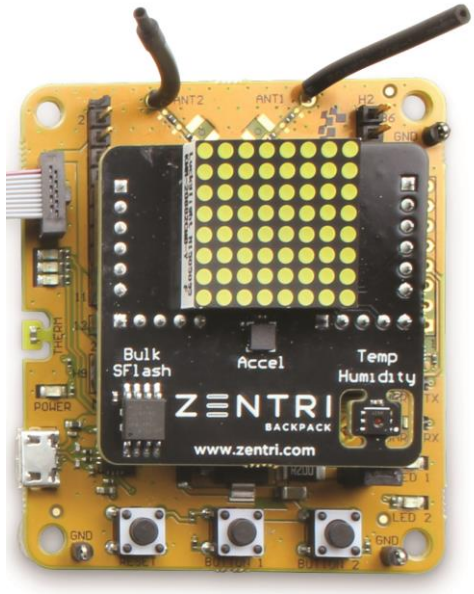



Above, Left : AMW106-E03 (Moray106)
Above Right : ASG001 (Monitor board with additional Display)

Ensure antennas are extended 90 degrees up from the module.

Attach the LED/Sensor board (ASG001) to the main Moray106 board (AMW106-E03). Ensure the bottom connector of the ASG001 connects to the bottom row of the pins on the AMW106-E03 board.

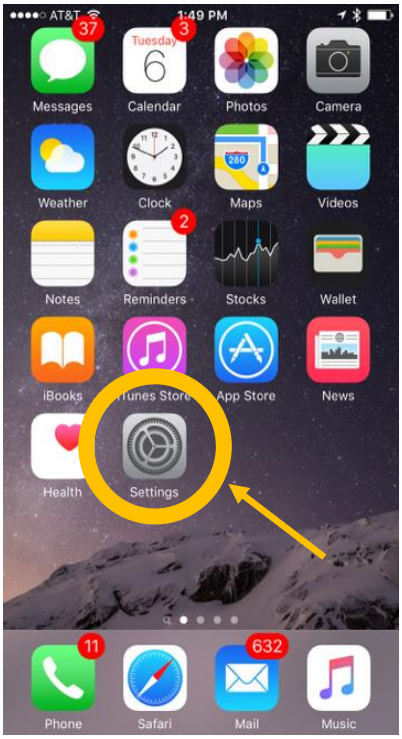


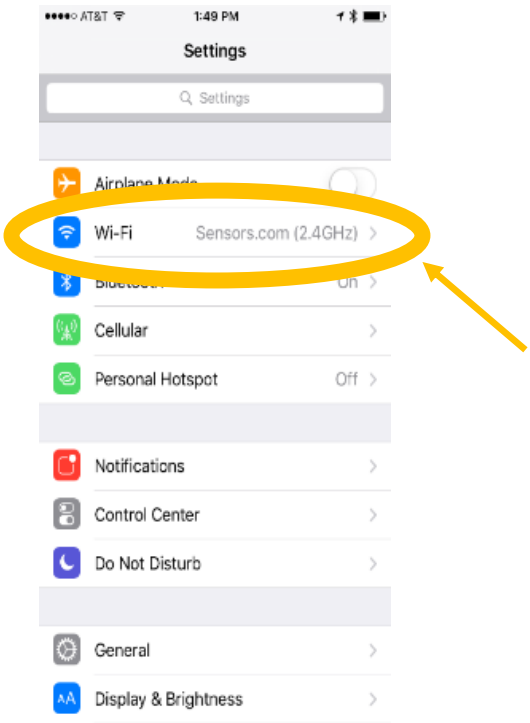




Power the unit via the supplied USB cable

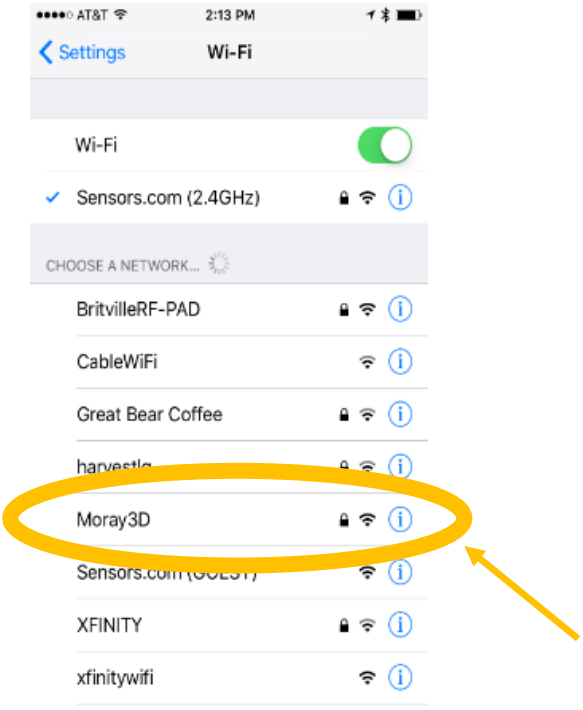
The display will show the name “Moray3D”

Open your smartphones settings page, steps shown below are based on the iPhone.
Then select the Wi-Fi settings

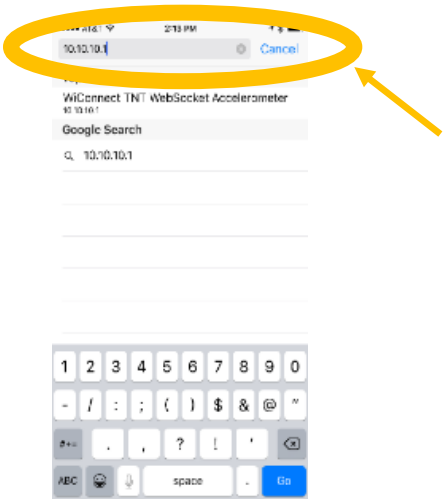


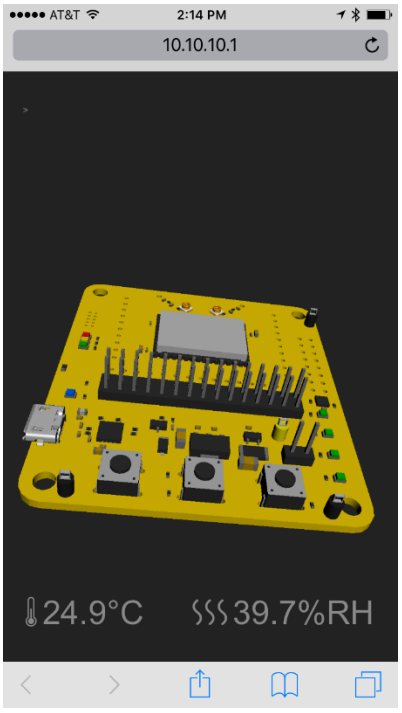

Next, Select Moray3D from the list:

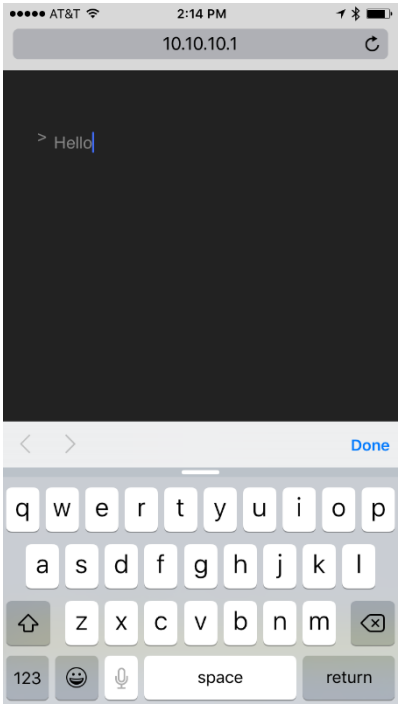


Open a browser and EITHER type the ip address, “10.10.10.1” or the name assigned to the mDNS server; “moray3d”




The webpage will load and immediately display the temperature and humidity, blowing on the appropriate sensors will show real time changes in the browser. After a second or two the module will also show the Moray106 on the browser window. Moving the Moray106 will also appropriately move the image on the screen through data supplied by the gyro. Additionally, the message on the display be be changed by pressing the small “>” in the top left corner of the browser screen.


AT&T
2:14 PM
10.10.10.1
24.9°C
39.7%RH


AT&T
2:14 PM
10.10.10.1
> Hello
Done
q w e r t y u i o p
a s d f g h j k l
z x c v b n m
123
space
return