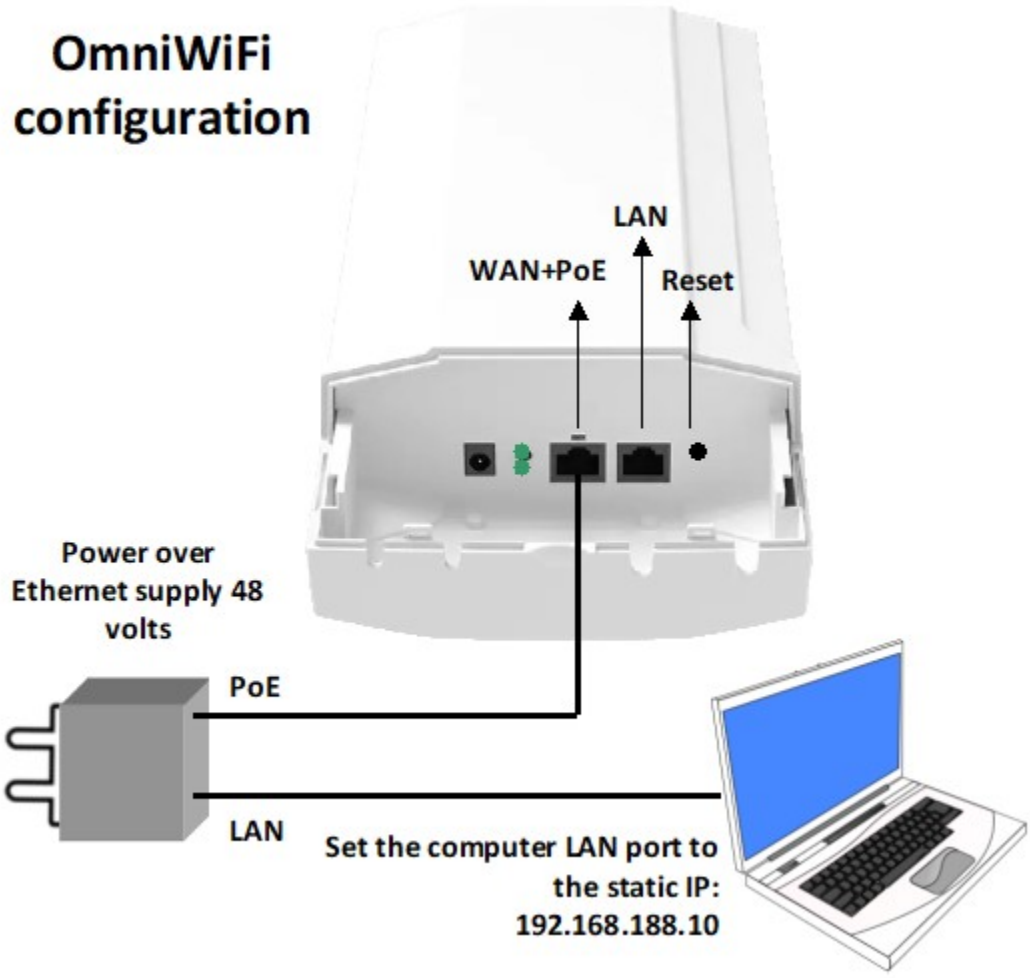
OmniWiFi wireless access point: configuration procedure

This document describes how to configure the OmniWiFi product for use in public WiFi applications. The configuration has the following sections.

- Set a static IP address on the computer for the configuration process
- Set the OmniWiFi product in the AP mode (access point)
- Change the wireless name that is transmitted, the SSID.
- Add an encryption key to the wireless transmission.
- Change the password to login to the administrator pages.

If the password is forgotten then press the reset button to return to the factory setting and configure the product again.

To configure the OmniWiFi, connect a computer as shown in the figure. The computer LAN port must be configured for the static IP address 192.168.188.10.

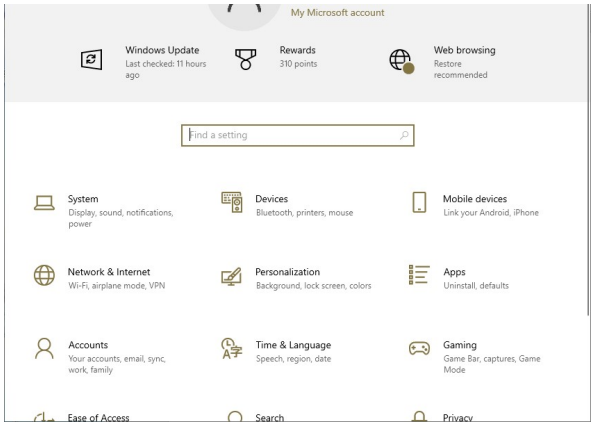


Configuring a Windows 10 PC computer for a fixed IP address for configuration of the OmniWiFi wireless access point

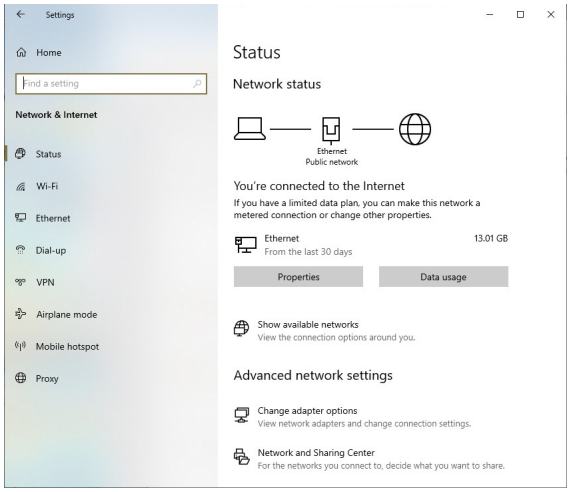
If you are familiar to configure a computer with a static IP then skip this section.

To configure the OmniWiFi wireless access point the computer must first be configured for a static IP address. The screen shots are for Windows 10

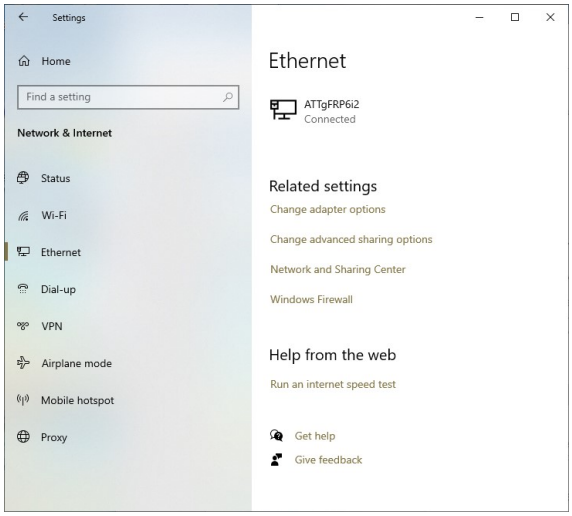
STEP 1: Open the settings window and click the network and Internet settings



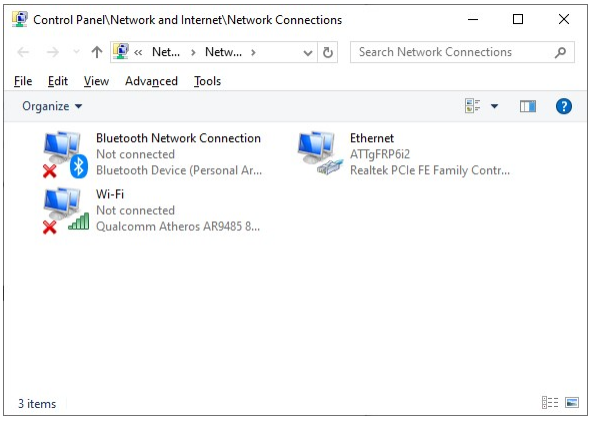
STEP 2: Click on the Ethernet settings



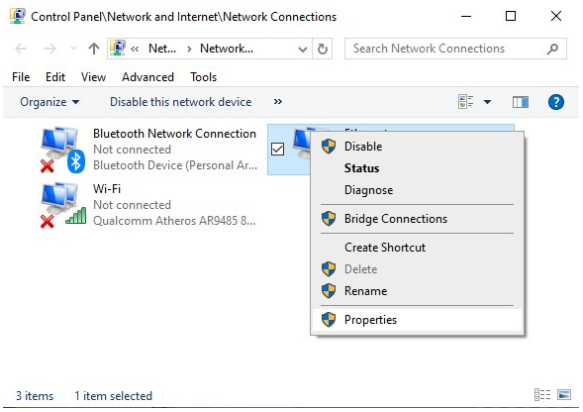
STEP 3: Click on change adapter options to open the network connections window



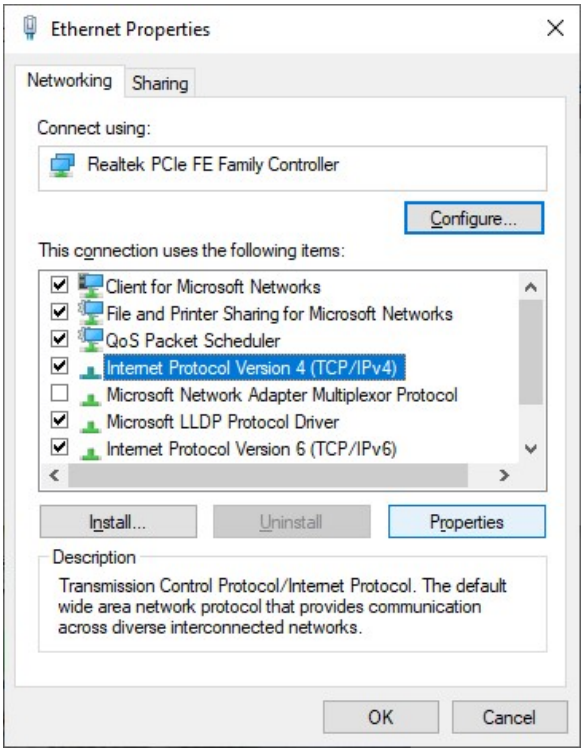
STEP 4: The network connections window



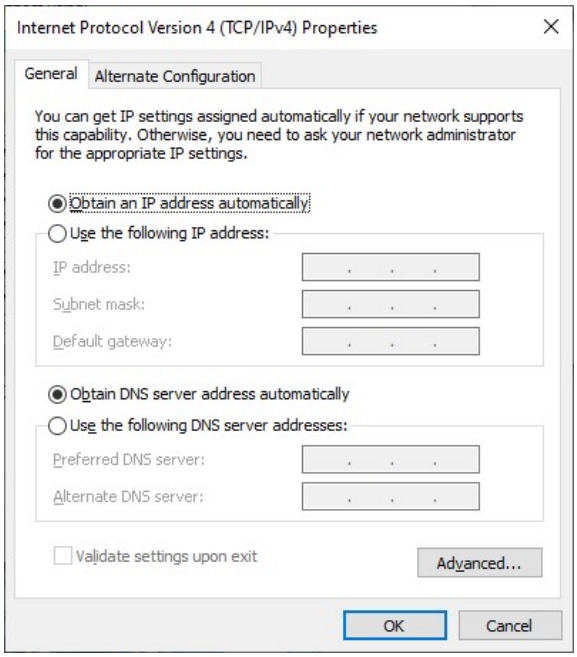
STEP 5: Right click on the Ethernet icon then click properties



STEP 6: Select Network protocol version 4 then click the properties button



STEP 7: The Internet protocol page will open, click the name use the following IP address



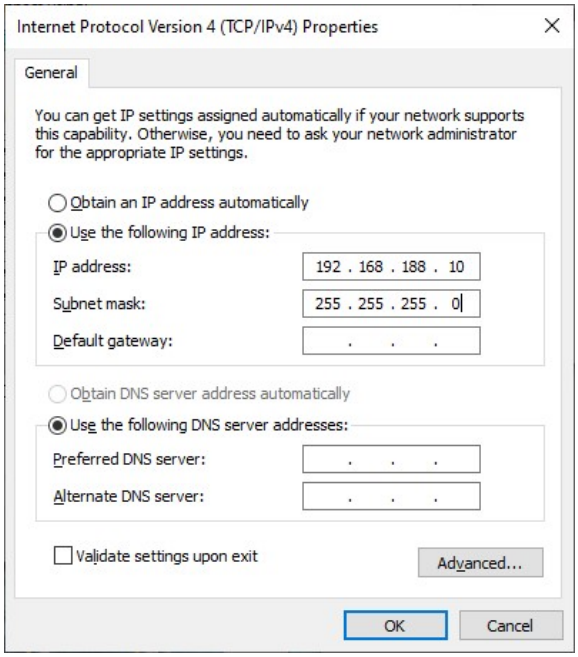
STEP 8: Enter the IP address

192.168.188.10

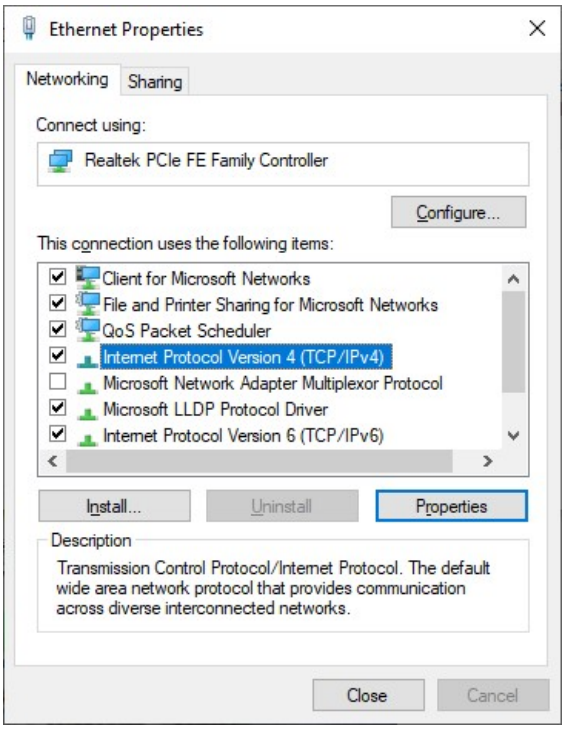
Enter the subnet mask

255.255.255.0

click the ok button



STEP 9: Click the close button



The computer is now configured for the static IP address: 192.168.188.10 and can now be used to configure the OmniWiFi wireless access point

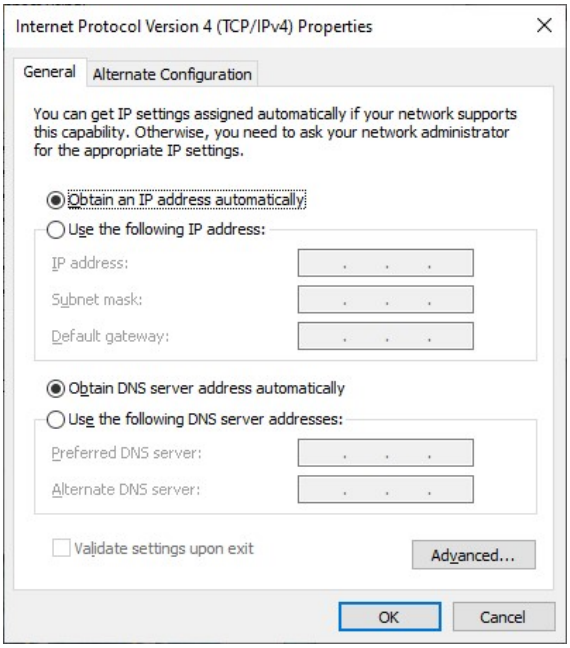
After configuration of the OmniWiFi restore the computer to the DHCP setting

STEP 10: Open the Internet protocol window then click

Obtain an IP address automatically

Click the ok button

The PC settings are now restored

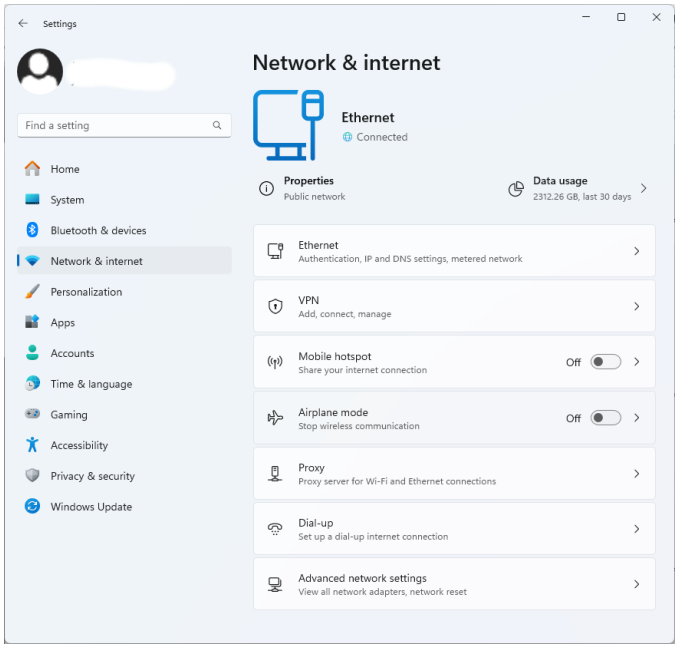


Configuring a Windows 11 PC computer for a fixed IP address for configuration of the OmniWiFi wireless access point

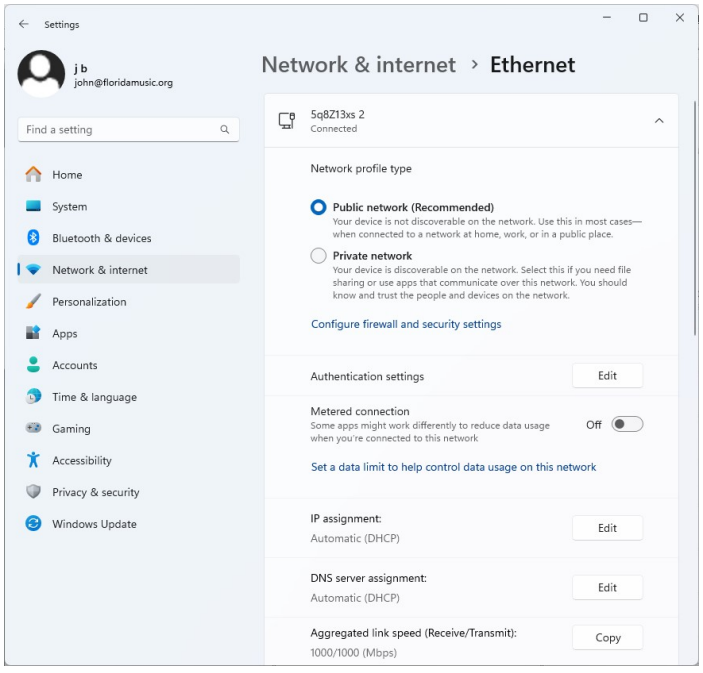
If you are familiar to configure a computer with a static IP then skip this section.

To configure the OmniWiFi wireless access point the computer must first be configured for a static IP address. The screen shots are for Windows 11

STEP 1: Open the settings window and select the network and Internet settings

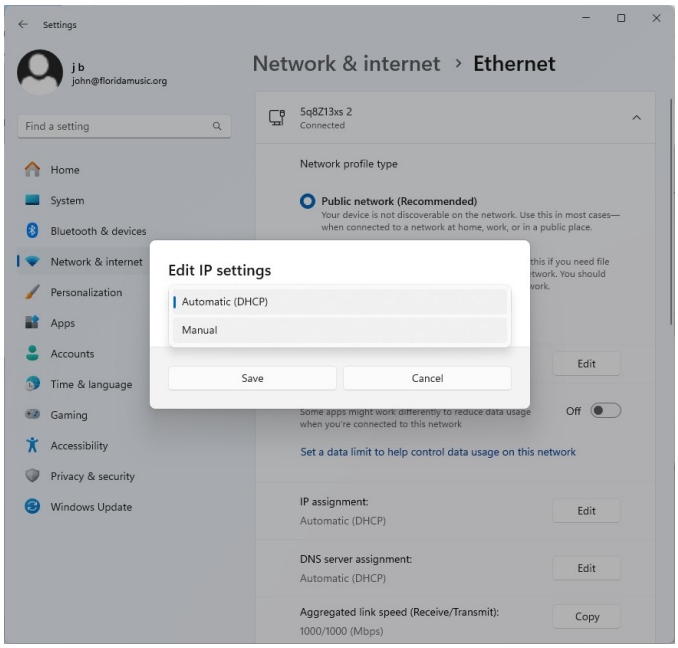


STEP 2: Click the IP assignment edit button

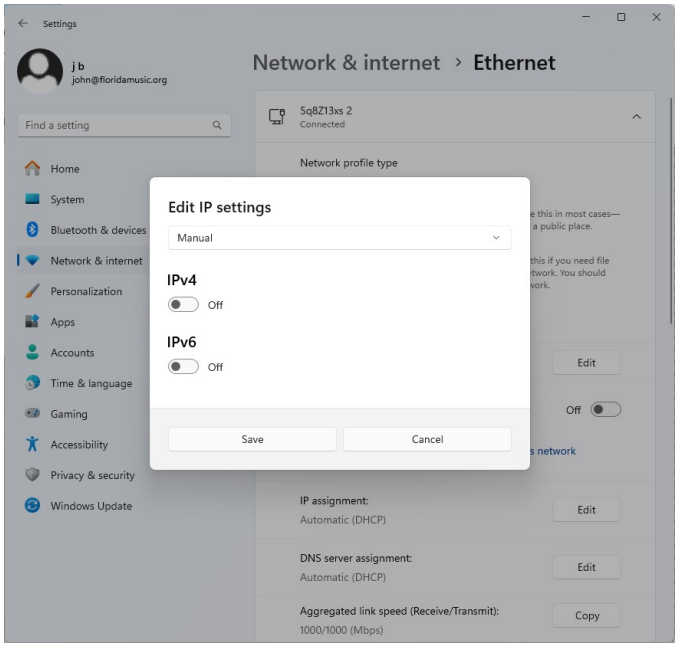


STEP 3: Click the drop down menu edit IP settings

Click manual



STEP 4: Click the button IPv4



STEP 5: Enter the static IP settings

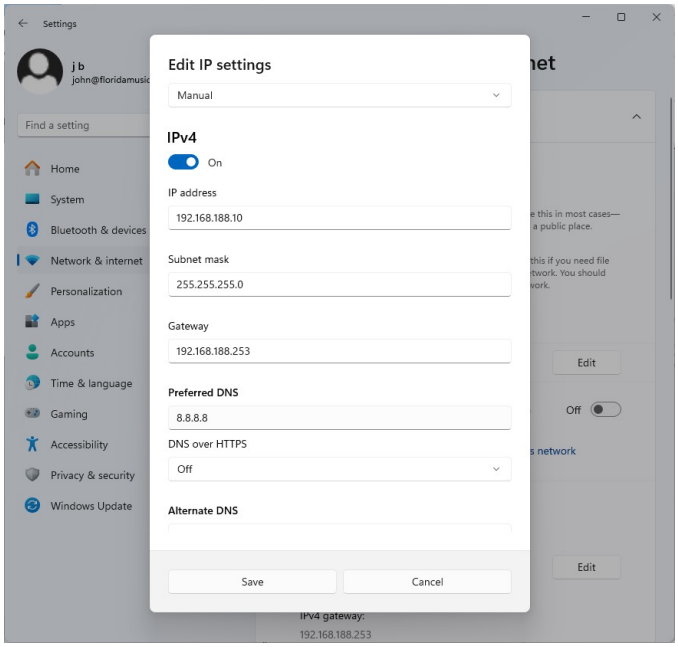
IP address: 192.168.188.10

Subnet mask: 255.255.255.0

Gateway: 192.168.188.253

Preferred DNS: 8.8.8.8

Click the save button



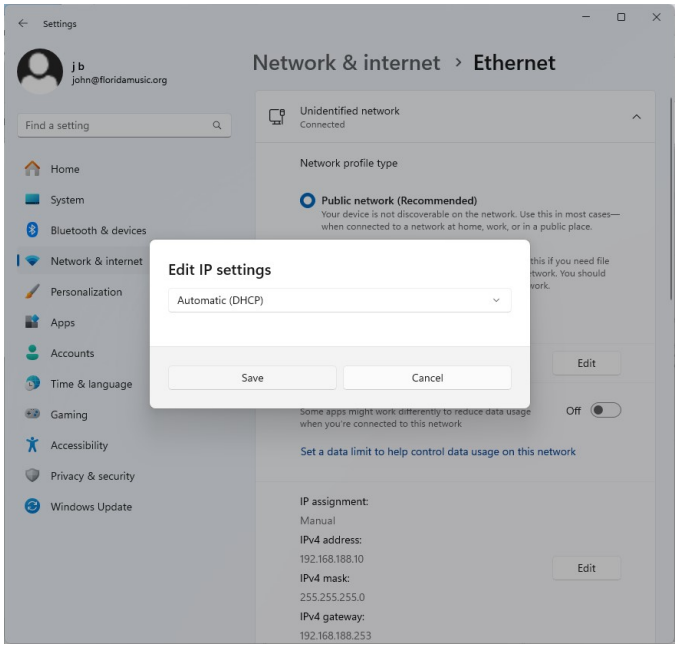
The computer is now configured for the static IP address: 192.168.188.10 and can now be used to configure the OmniWiFi wireless access point

STEP 6: After the OmniWiFi is configured open the edit IP settings window

Click automatic DHCP

Click the save button

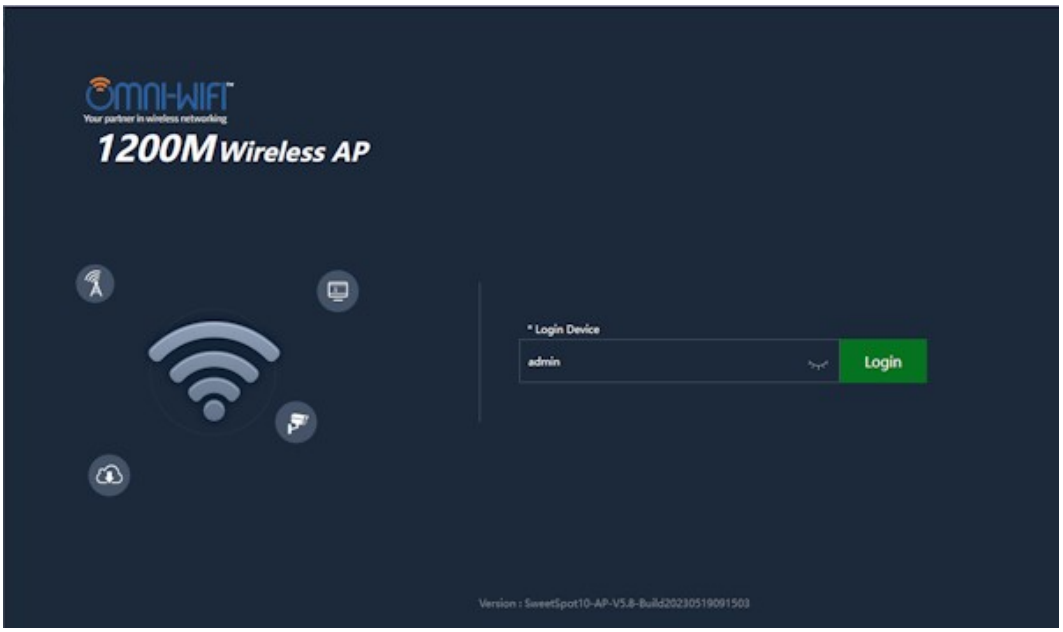
The PC settings are now restored



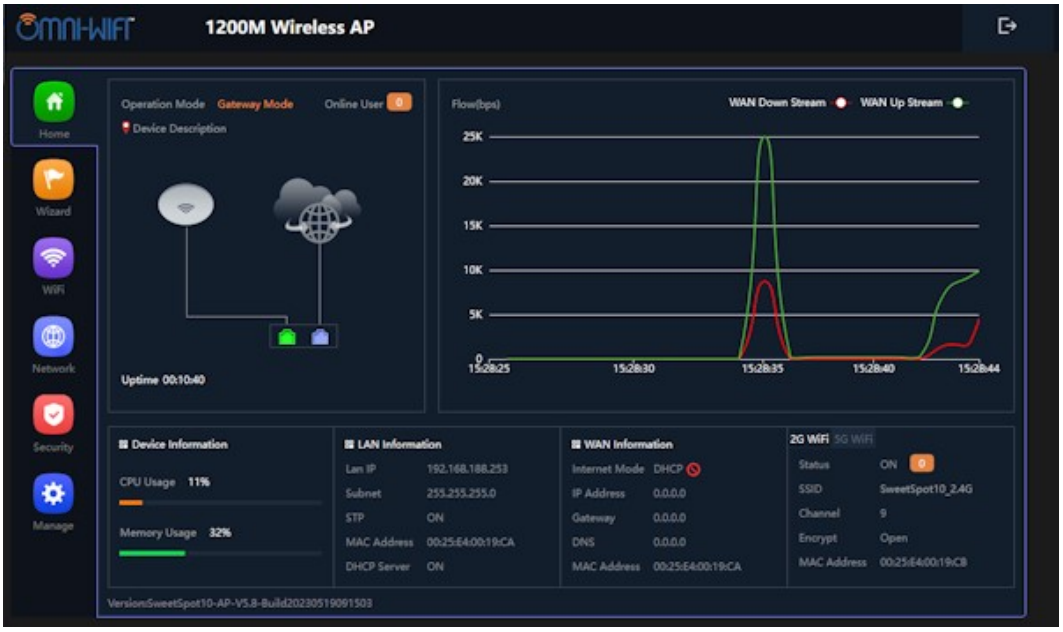
Configuring the OmniWiFi wireless access point

With the computer configured for a static IP of 192.168.188.10, open a browser tab and type the login page IP address: 192.168.188.253

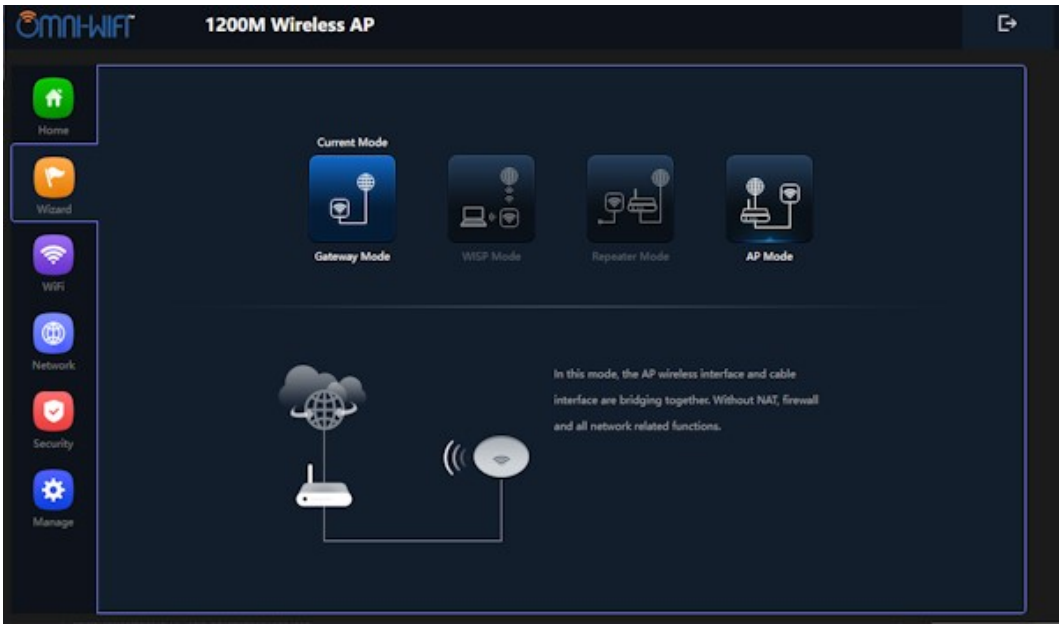
The login page will open. Enter the password **admin** and click login.



After login the **home** page opens.

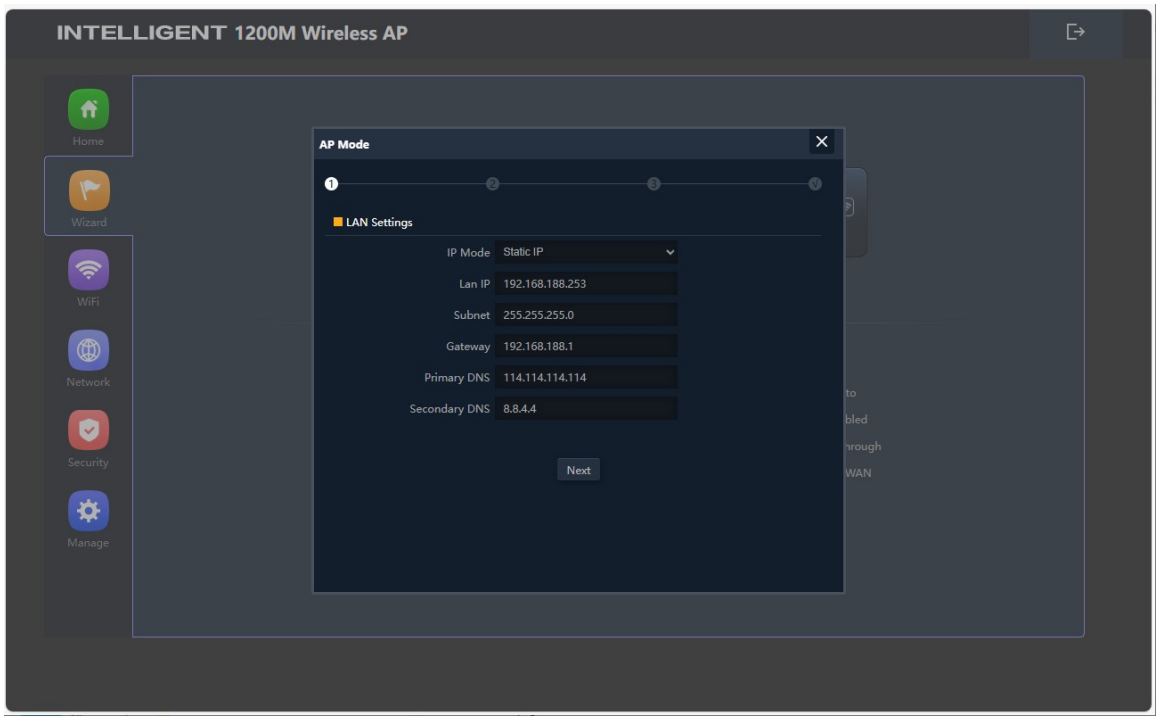


Click the **wizard** tab; verify the OmniWiFi mode of operation, this should be the AP mode

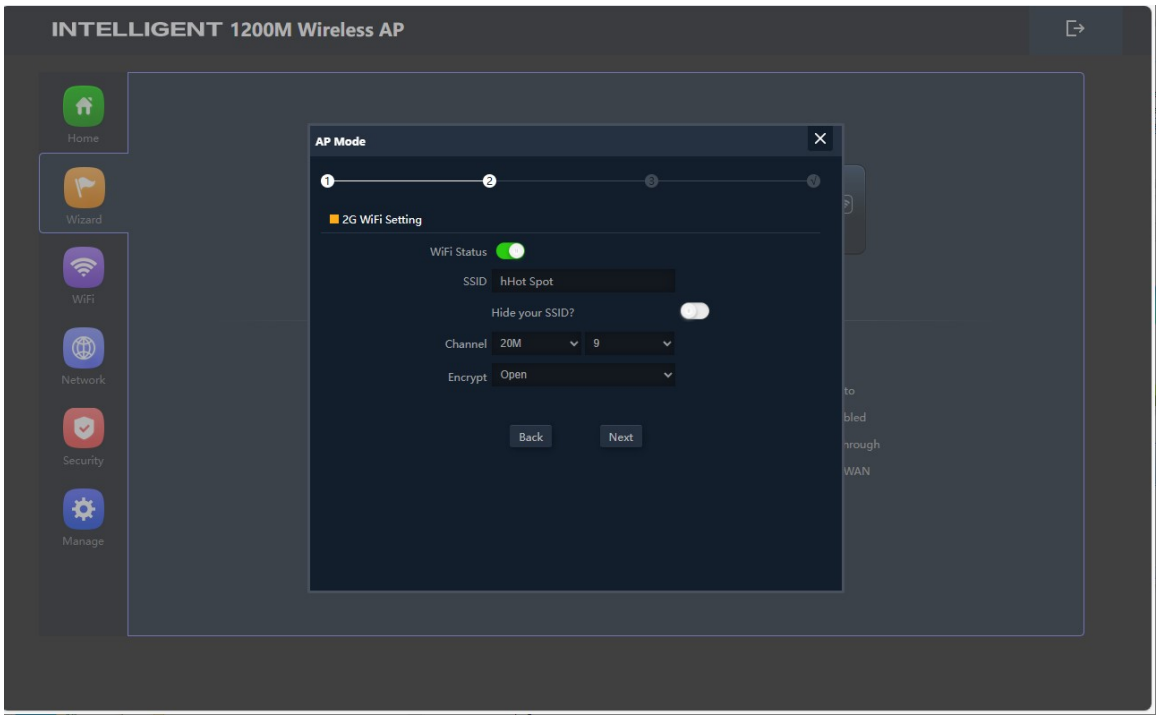


Click the **AP mode** button to set the AP mode, the OmniWiFi will open a window to request confirmation

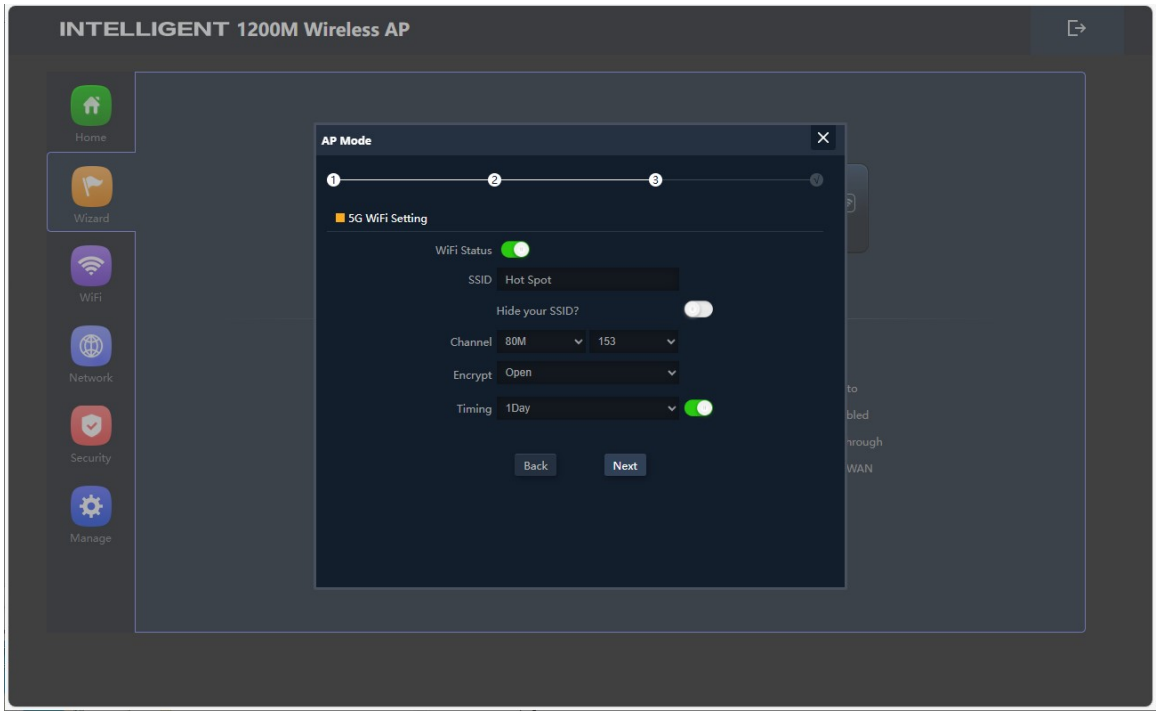
The LAN settings window will open, click **next**



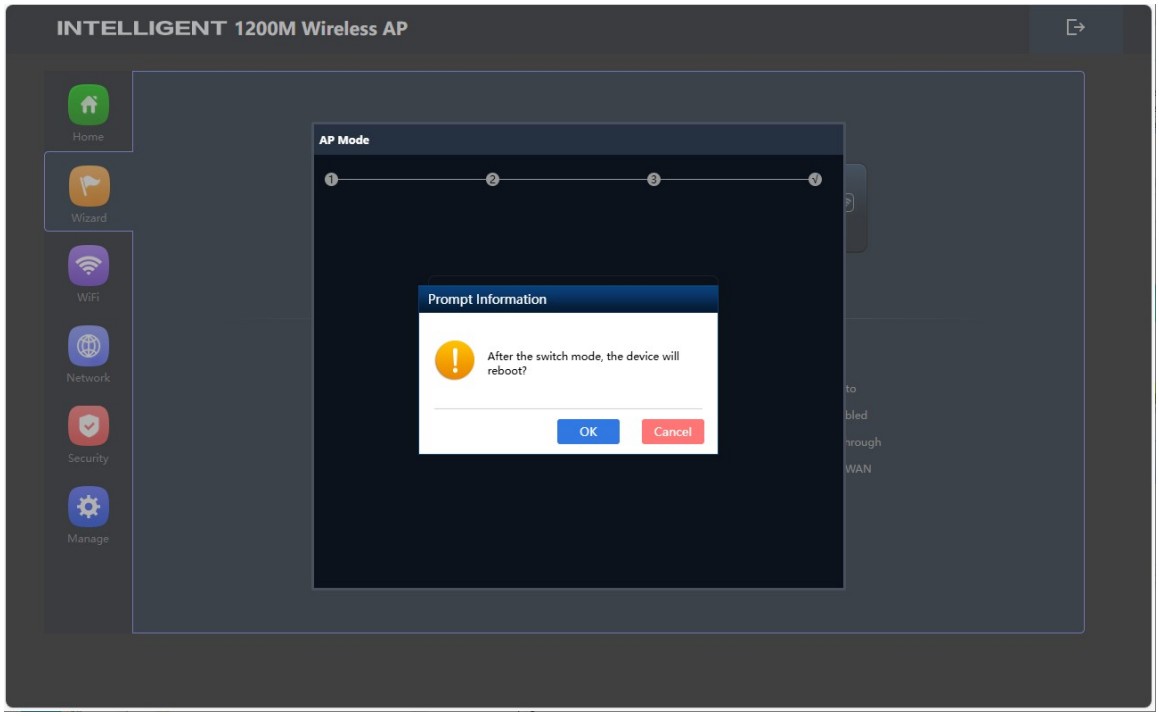
The2G WiFI settings window will open, click **next**



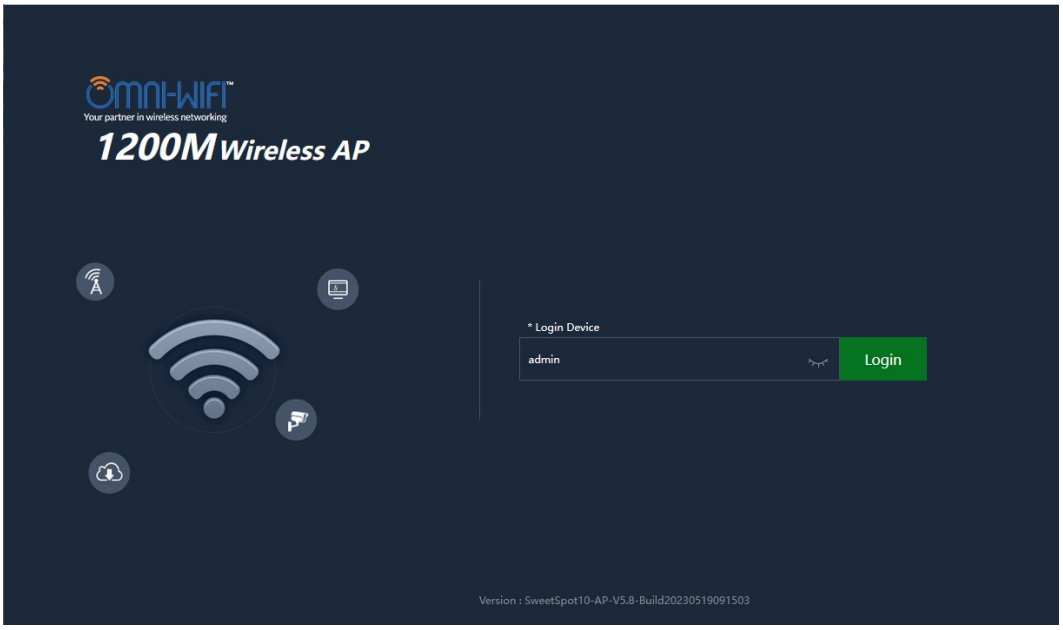
The 5G WiFi settings window will open, click **next**



The reboot window will open, click OK. The OmniWiFi will reboot after which it is ready for use as a wireless access point.

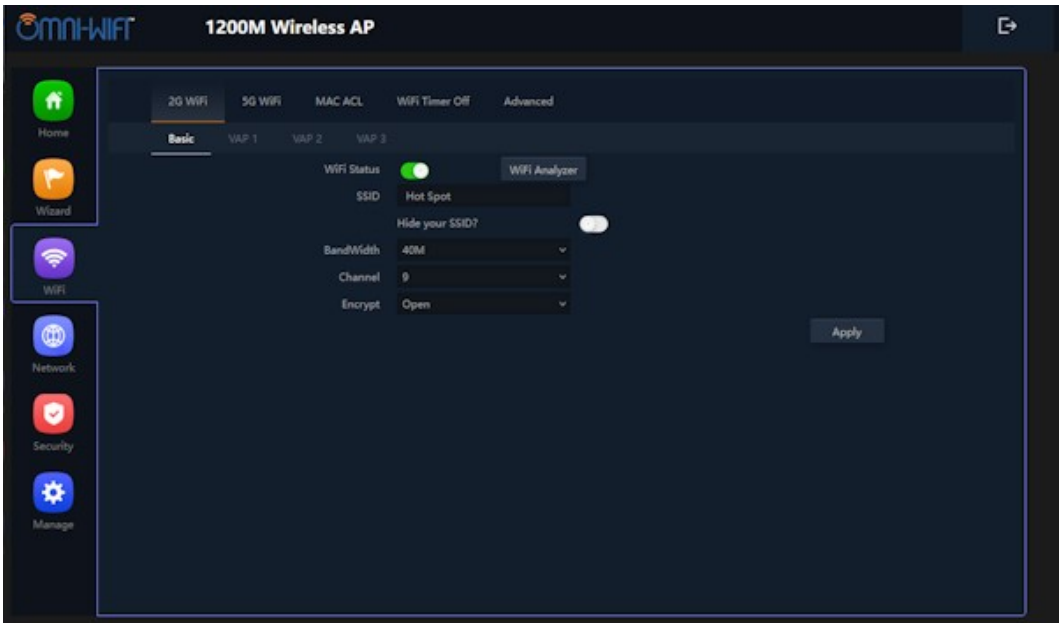


Login again after the reboot, the password is **admin**

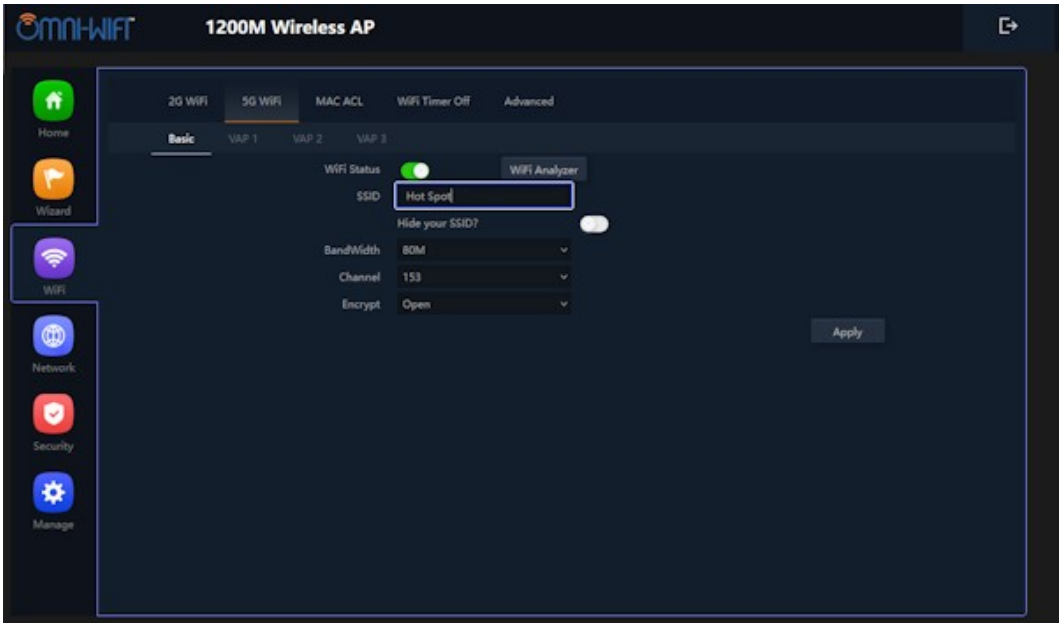


Click the **WiFi** tab.

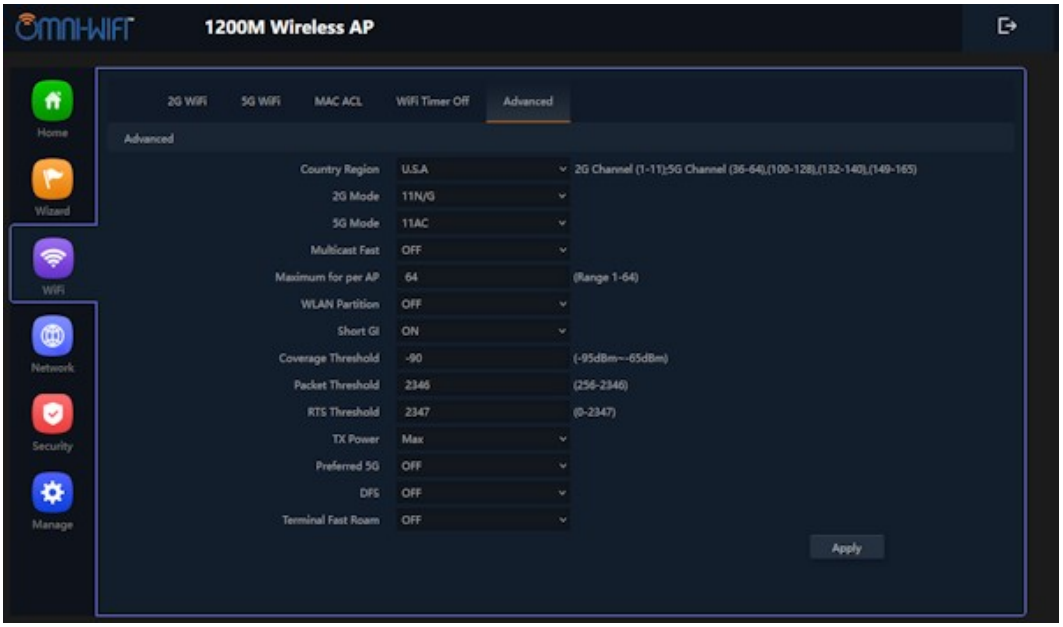
On the **2G WiFi** menu (2.4 GHz) the wireless broadcast name (SSID) is set as **Hot Spot**, this can be changed by typing a new name**.** The **WiFi password** (WPA encryption key) is set to open so there is no encryption; this is the correct configuration for public WiFi Internet. The WiFi password can be changed to encryption. If this is changed then a password (encryption key) must be added in the box that appears below, the default password is 66666666. After a change click **Apply**.



On the **5G WiFi** menu (5.8 GHz) the wireless broadcast name (SSID) is set as **Hot Spot**, this can be changed by typing a new name**.** The **WiFi password** (WPA encryption key) is set to open so there is no encryption; this is the correct configuration for public WiFi Internet. The WiFi password can be changed to encryption. If this is changed then a password (encryption key) must be added in the box that appears below, the default password is 66666666. After a change click **Apply**.

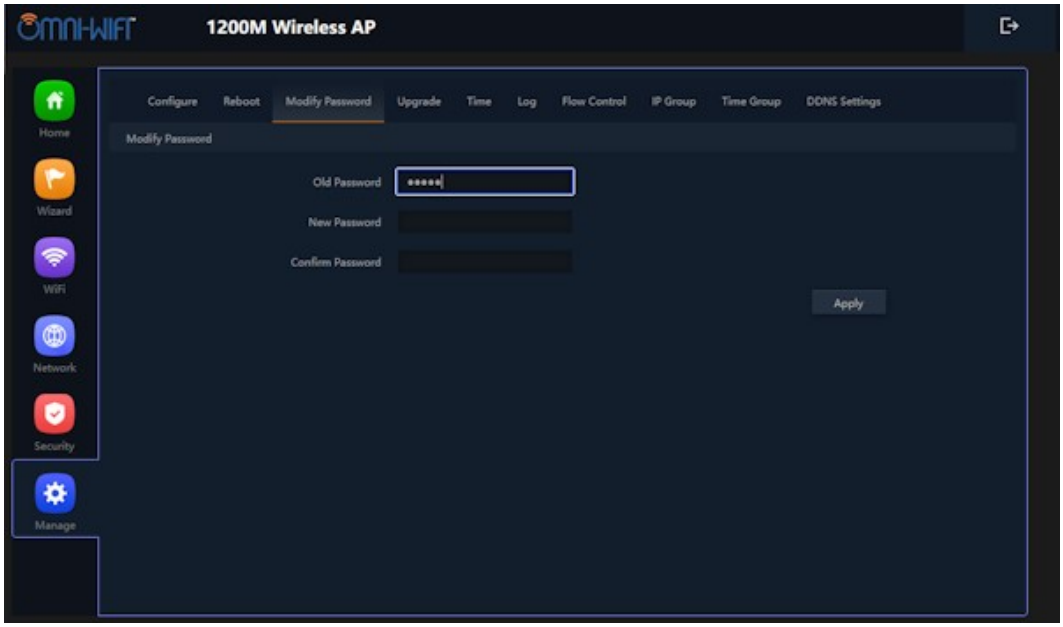


Click the **advanced** menu and select the **country region**, the default is set to the USA. Select your country from the drop down menu and then click **Apply.**



The final step is to select the **Manage** tab and then select the **Modify Password** menu. Enter the default password **admin** and then enter and confirm your new password. When the password has been entered click **Apply.**

Note that if the password has been lost or forgotten then the OmniWiFi will have to be reset to the factory default using the reset button and then reconfigured.



Click the right arrow at the top right of the screen to logout of the administration page.

Change your computer LAN port IP setting to DHCP client.

Test the OmniWiFi Internet access when connected to the Internet

Connect the OmniWiFi WAN port to the PoE power supply and then to the Internet router LAN port.

Connect the computer WiFi to the wireless name (SSID) **Hot Spot.**

Open a browser and connect to any website.

If an Internet website cannot be accessed then return to the configuration steps.