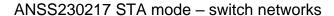
# **Application Note**

ANSS0230228 – SeaSmart STA Mode – Switch networks

Chetco Digital Instruments, Inc

Revision 022823





SeaSmart G3 Web Page can be used to sensor data in wireless STA (station) mode. STA Mode allows SeaSmartG3 Gateway to join a local router based network and share any available internet connections.

You will need to provide local network credentials including SSID and passwords.

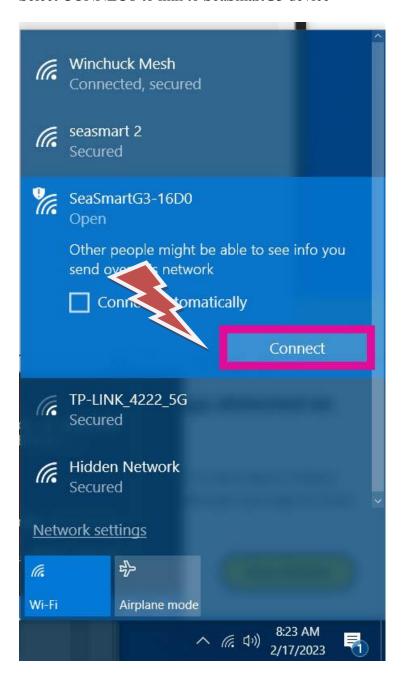
The first step is to connect to the wireless controller in Access Point (AP) mode. AP mode does not require any local network or router and is a direct wireless connection between device and fixture

Go to your devices Wireless control panel and select the SeaSmartG3 access point





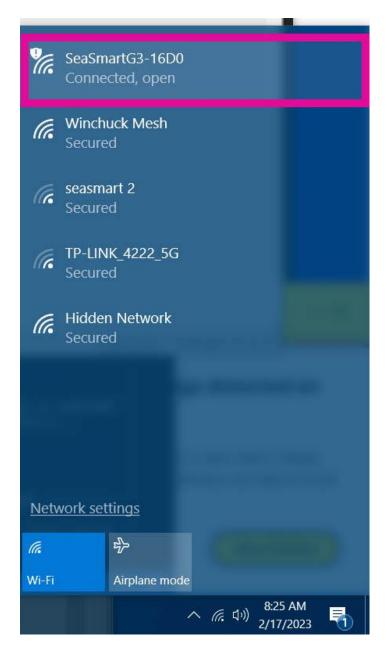
## Select CONNECT to link to SeaSmartG3 device

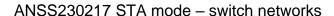




When connected directly to SeaSamrtG3 in AP mode you will not have internet access.

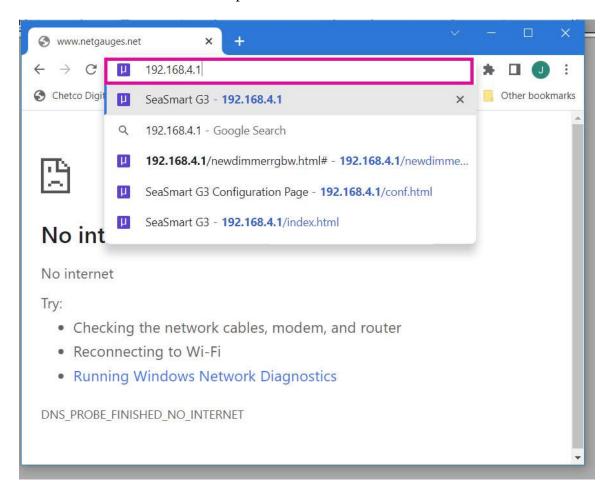
To have both internet access and connection to light fixture you will need to set up Station Mode(STA) which uses a local router and internet access point.







Once connected to device in AP mode, you can start up your local web browser and enter the default device IP address - http://192.168.4.1

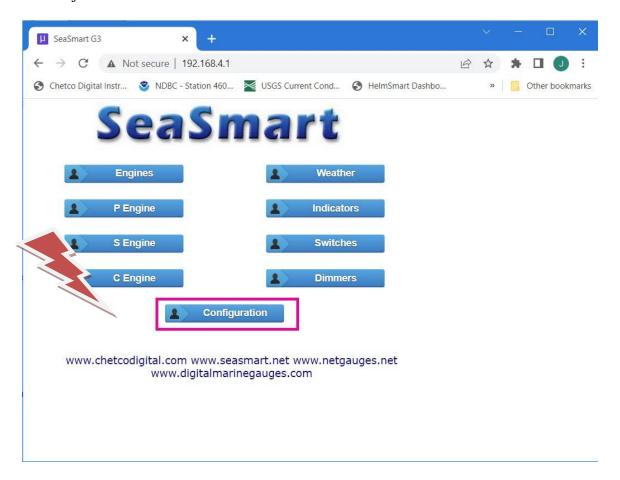




### ANSS230217 STA mode - switch networks

The Web page will load and you will have access to several buttons. The bottom CONFIGURATION button will take you device set up options such as joining a local infrastructure network (STATION MODE).

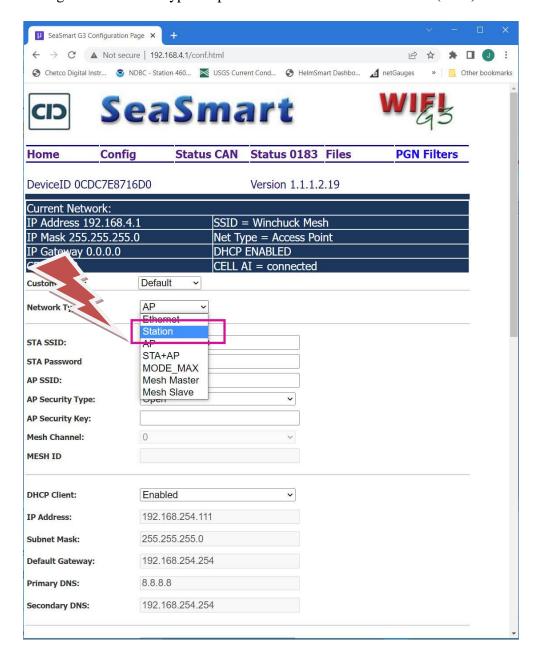
You will need to provide the local SSID and password for the router based network you wish to join.





A new window with a control bar showing current device status.

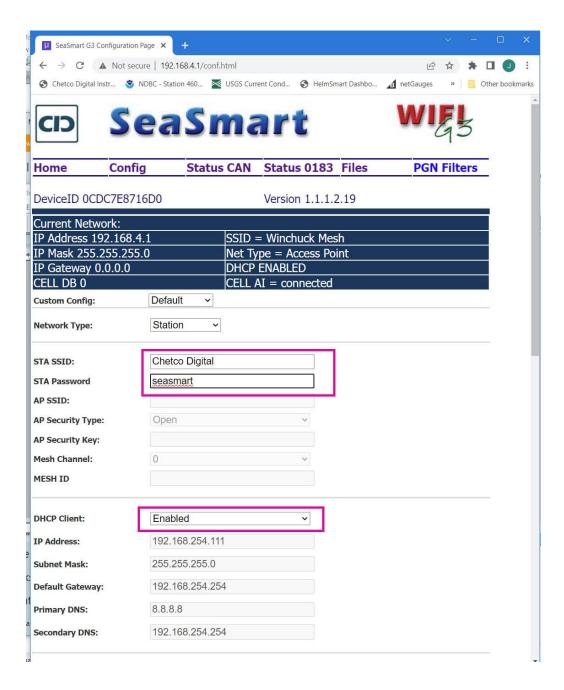
Change the Network Type drop-down from AP mode to Station (STA) mode





Enter the SSID and passwords for the local router based network you wish to join.

You should also enable DHCP mode to allow the router to automatically assign network address to the SeaSmartG3 Gateway



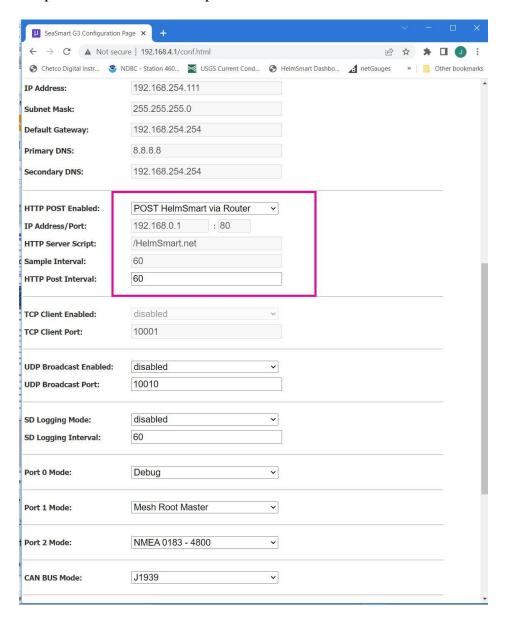




You can also enable upload of sensor data to the HelmSmart Cloud Service by activating HTTP POST via Router.

This will use the local router's internet access to send SeaSmart G3 sensor data directly to the Cloud Service

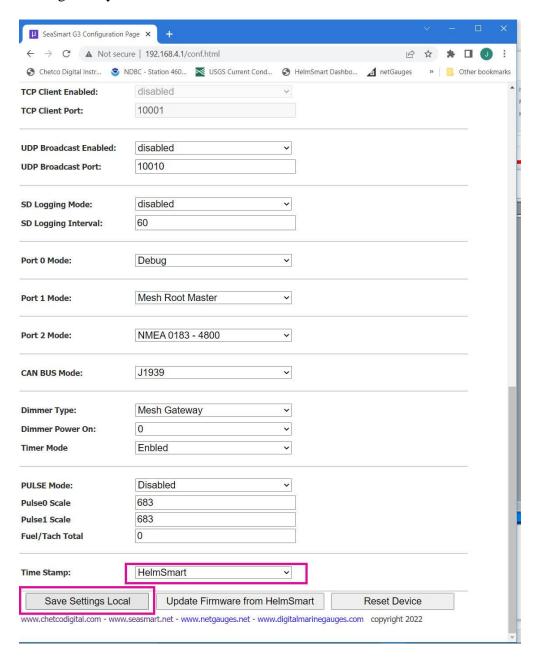
Keep the default 60 second update rate unless a slower rate is desired.





At the bottom of the Config page SAVE the new Config and be prepared to reset the device.

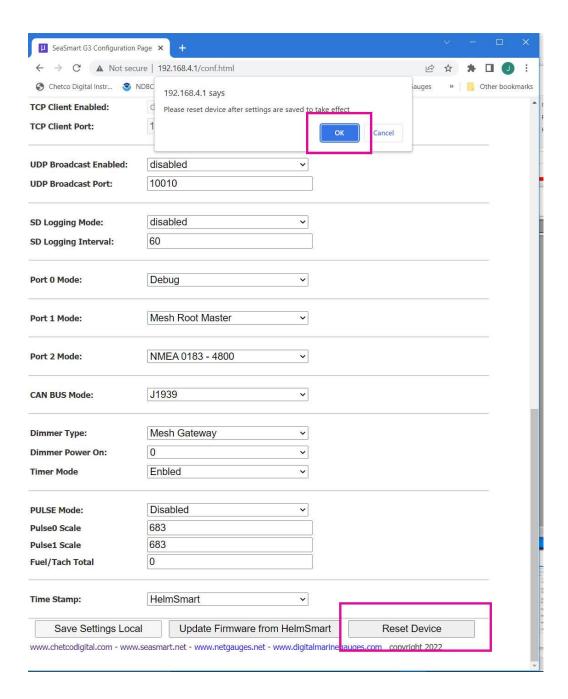
You will also want to be sure to select HelmSmart as the device time source to keep all messages in sync.





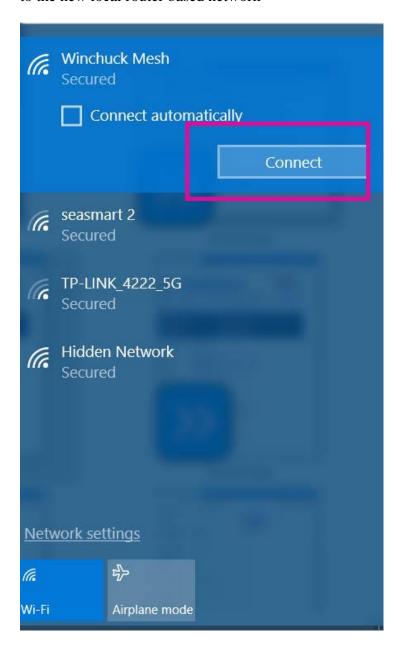
Confirm the RESET action and select the RESET button at the bottom right.

You can also power reset the Gateway at this point if desired





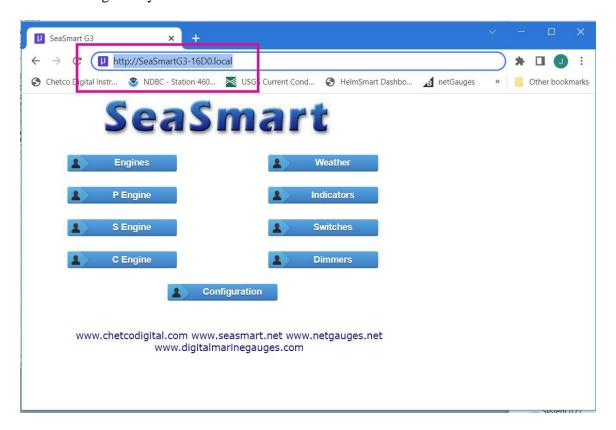
At this point you will lose connection to the SeaSmartG3 AP mode and need to reconnect to the new local router based network





### ANSS230217 STA mode - switch networks

Once you are reconnected to the STATION network you can enter the SeaSmart URL to discover the gateway on the new network.





### ANSS230217 STA mode - switch networks

SeaSmartG3 uses mDNS to register device names with the local router so you do not need to search by address. If your router does not support mDNS, you may need to use the router's interface utilities to determine the actual IP address automatically assigned to the SeaSmartG3 gateway

