KC-2W (KC-2W_MK2 new version) WIFI user manual

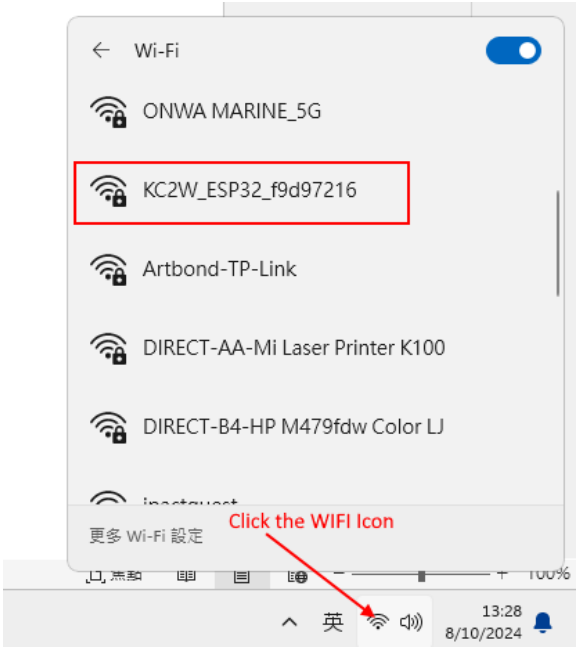
KC2W WIFI can use as a WIFI hotspot or a WIFI terminal.

1. As a WIFI hotspot its IP is fixed 192.168.4.1, it is used if there are no WIFI router onboard your boat.
2. As a WIFI terminal, the IP is distributed by the WIFI router. You can check the IP as shown below. It is used if there are already WIFI router onboard your boat to share the data.

Note :
- In this manual N2K means NMEA2000
- PGN is the data in the N2K network

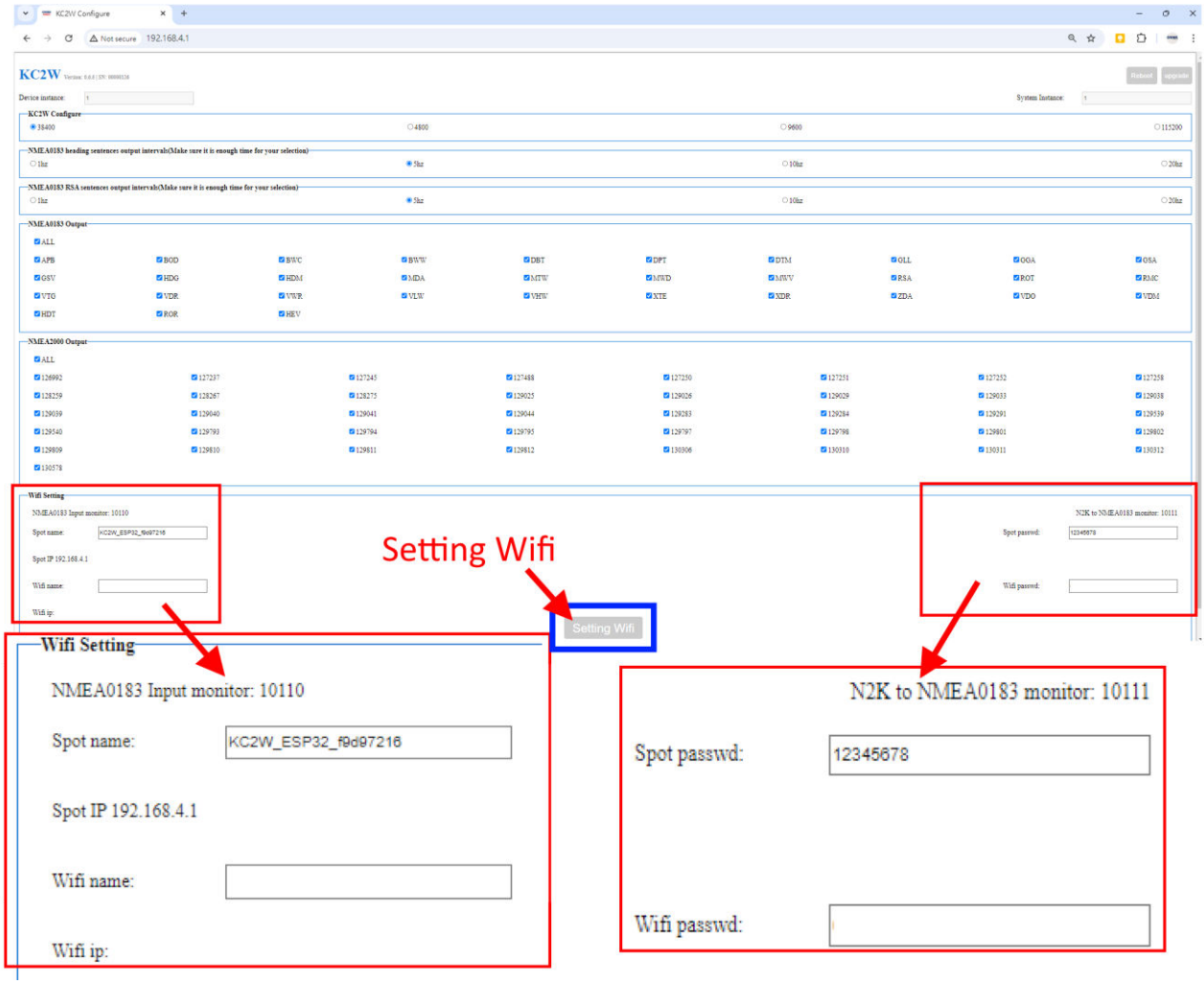
<u>Configure KC-2W WIFI module</u>

1. Connect KC-2W to N2K network, it will power up automatically
2. Check the WIFI network on your mobile or PC
3. Select the WIFI link starting with “KC2W”



4. Enter the default password “ 12345678”

5. Open the browser and enter “192.168.4.1”



6. You can change Spot name and Spot passwd if you want or keep it as default.

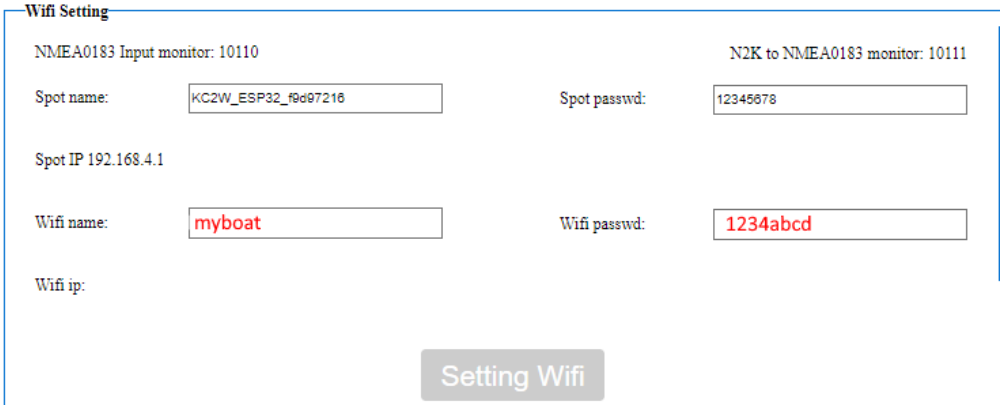
7. If you want to change Spot name and Spot passwd, click “Setting Wifi to save the change.
Note : it is advised to switch off the KC-2W and power up again to make the change valid.

Use KC-2W WIFI module as a hotspot

Note : In case it is not necessary to connect the KC-2W WIFI module to WIFI router onboard please leave Wifi name and Wifi passwd blank otherwise the WIFI module will keep trying to connect to external WIFI router.

Use WIFI module as a WIFI terminal

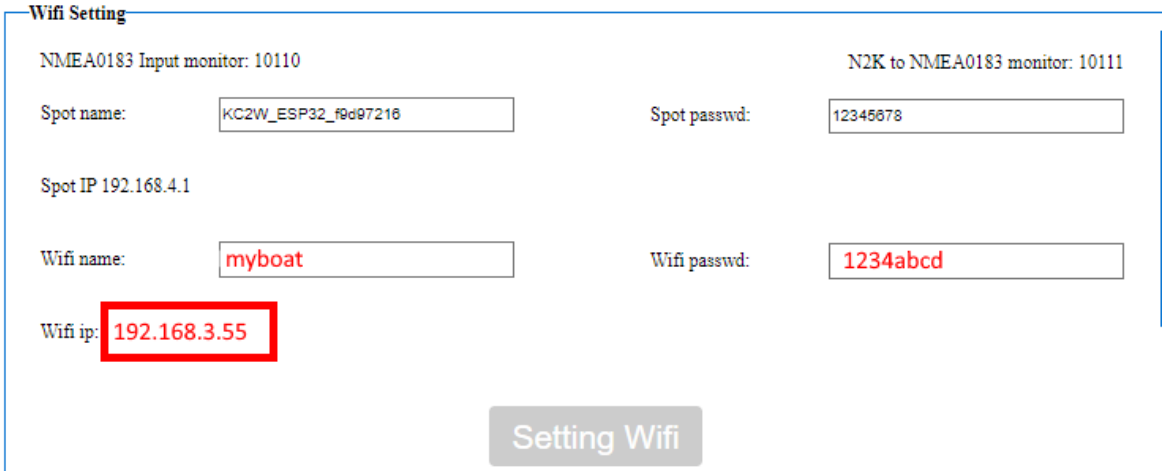
1. Enter the name and password of the WIFI router onboard your boat



Example :
Wifi name : myboat
Wifi passwd : 1234abcd

2. Click “Setting Wifi” to save the settings
Note : it is advised to switch off the KC-2W and power up again to make the change valid.

3. There are a valid IP address appear when KC-2W WIFI module successfully connected to WIFI router onboard.

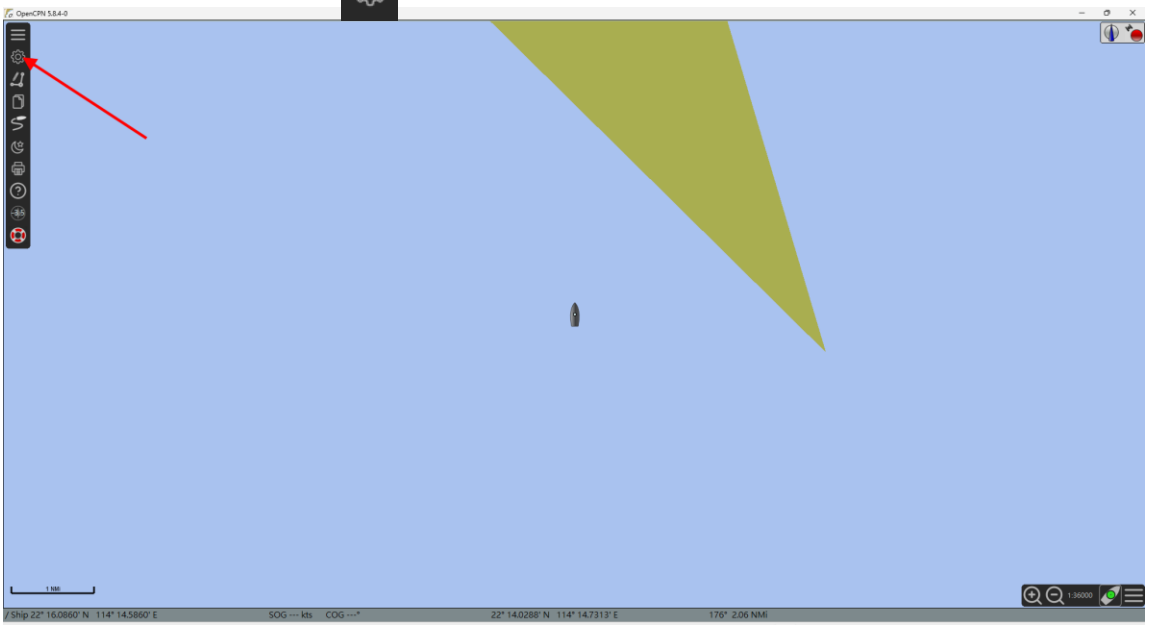


4. Then you can configure the IP and port in the application software, please study the below chapter “Example of using NMEA data of KC2W through WIFI network”

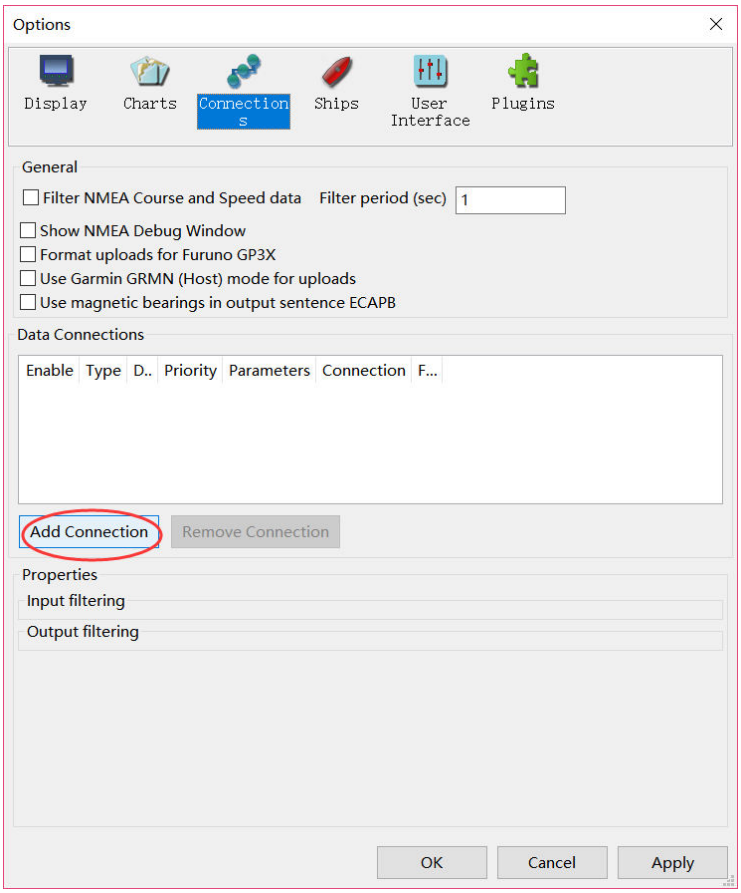
<u>Example of using NMEA data of KC2W through WIFI network</u>
There are two ways to access KC-2W : Hot Spot or WIFI Terminal

1) If there is no WIFI router onboard, KC-2W is used as a hot spot
1.1) Connect PC WIFI network to KC-2W hot spot

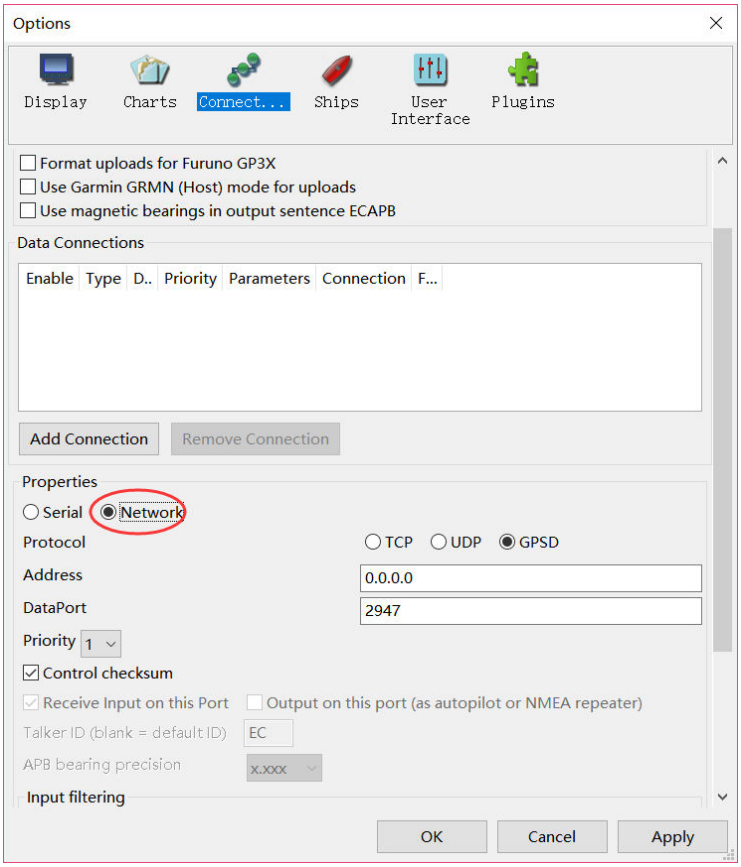
1.2) We use OPENCPN PC version as an example:
Open OPENCPN and click 



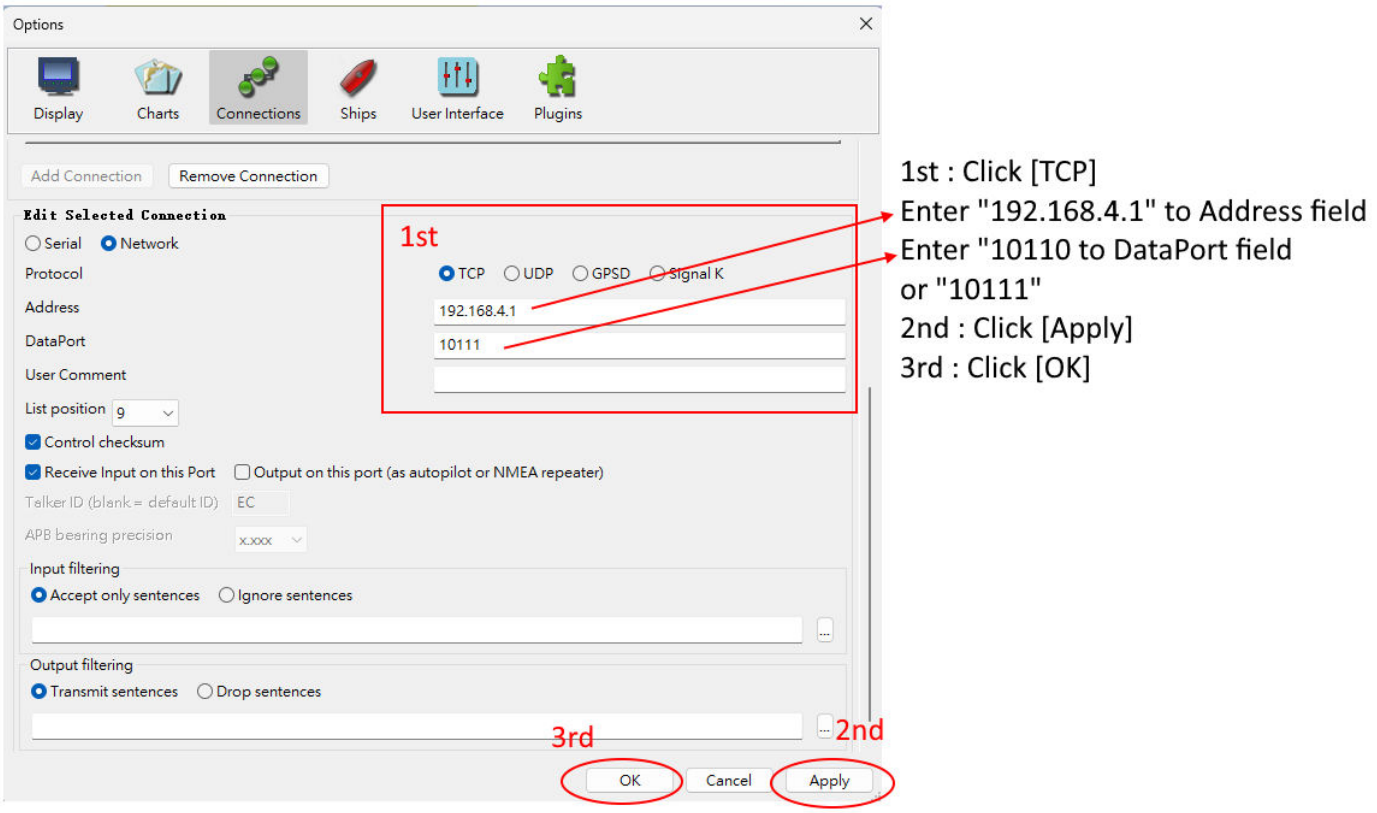
1.3) Select “Add Connection”



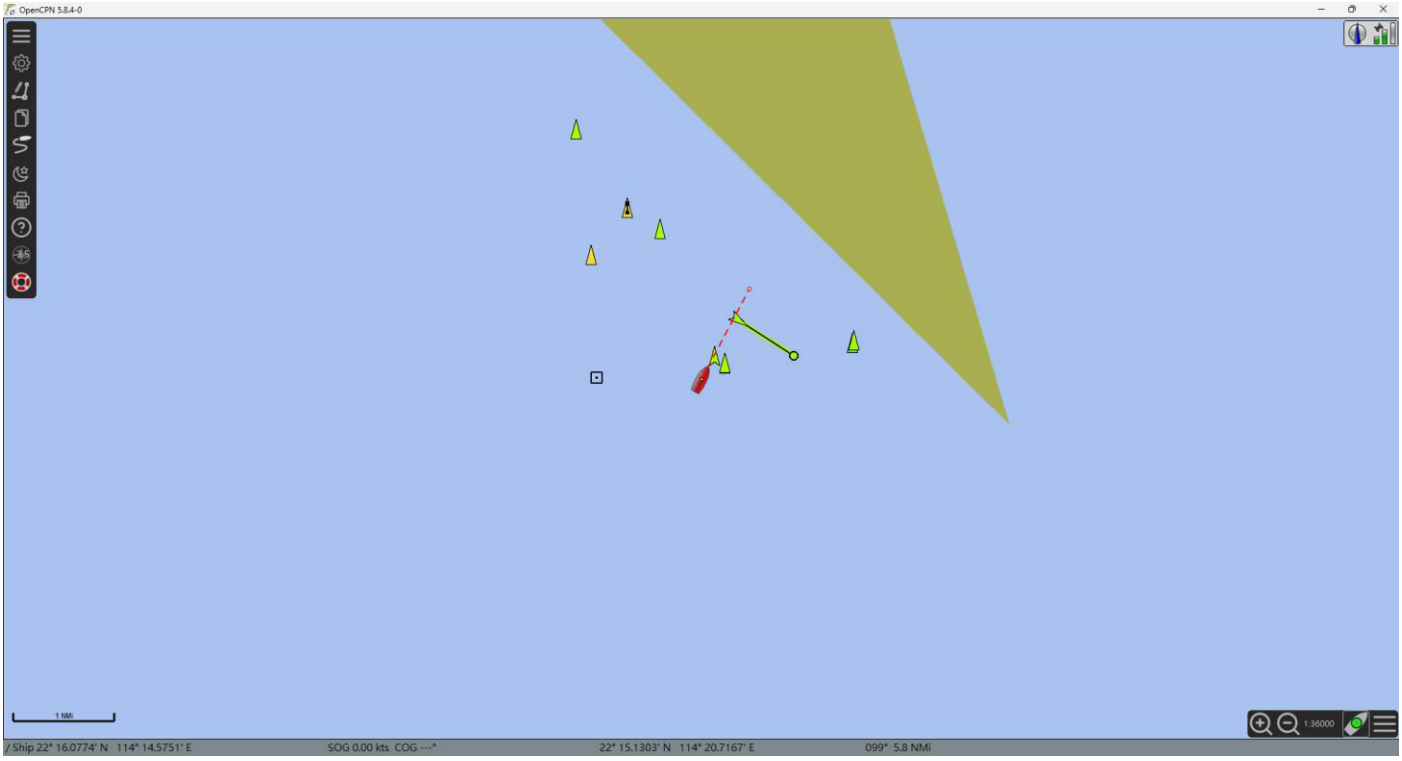
1.4) Select “Network”



1.5) Fill the network information as shown below.



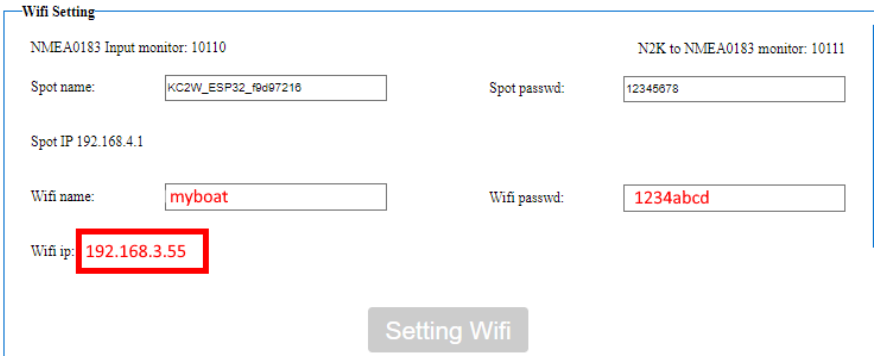
1.6) You can then see the data sending from KC-2W through hot spot.



2) Connect KC-2W to WIFI router onboard

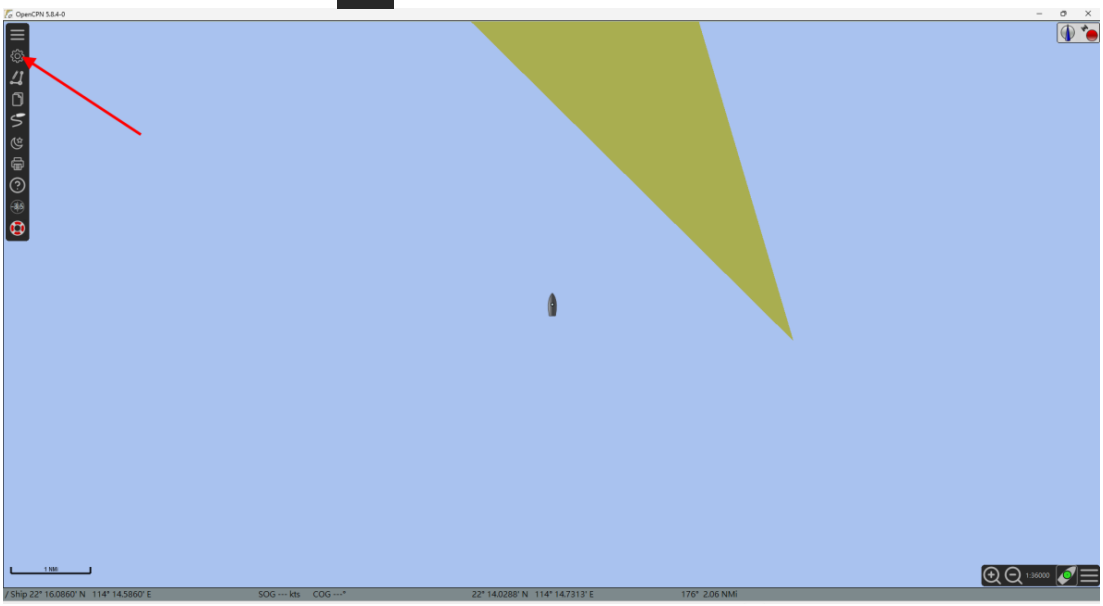
2.1) Enter the Wifi name and Wifi passwd as mentioned above.

Note : In case it is not necessary to connect the KC-2W WIFI module to WIFI router onboard please leave Wifi name and Wifi passwd blank otherwise the WIFI module will keep trying to connect to external WIFI router.

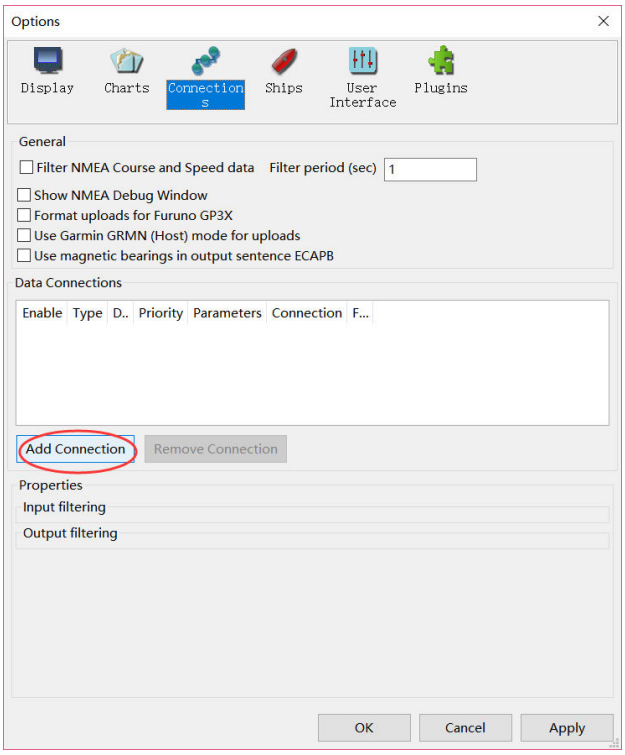


2.2) Connect PC WIFI network to WIFI router onboard.

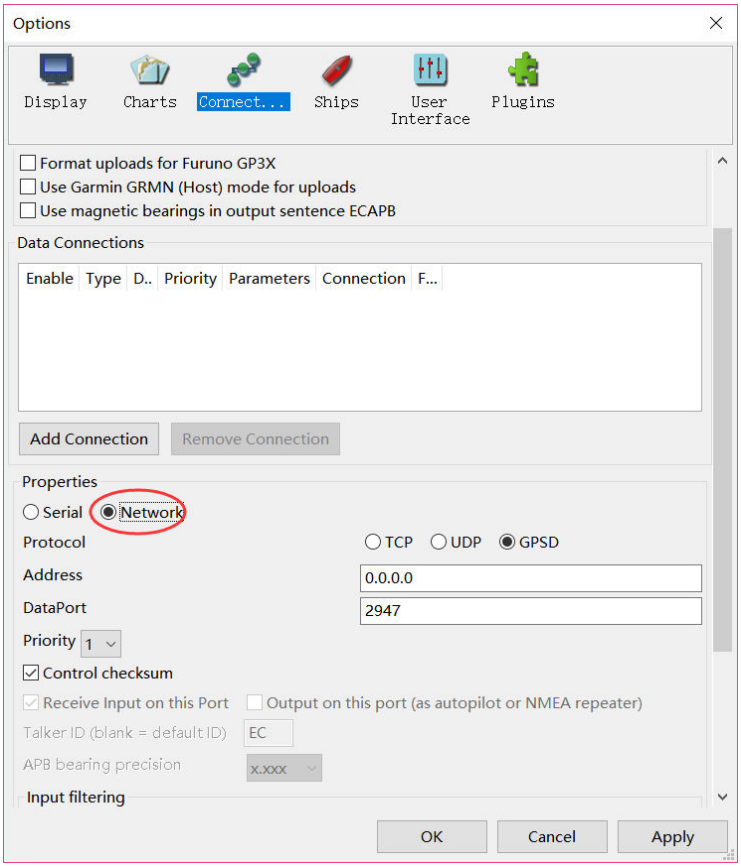
2.3) We also use OPENCPN PC version as an example:
Open OPENCPN and click 



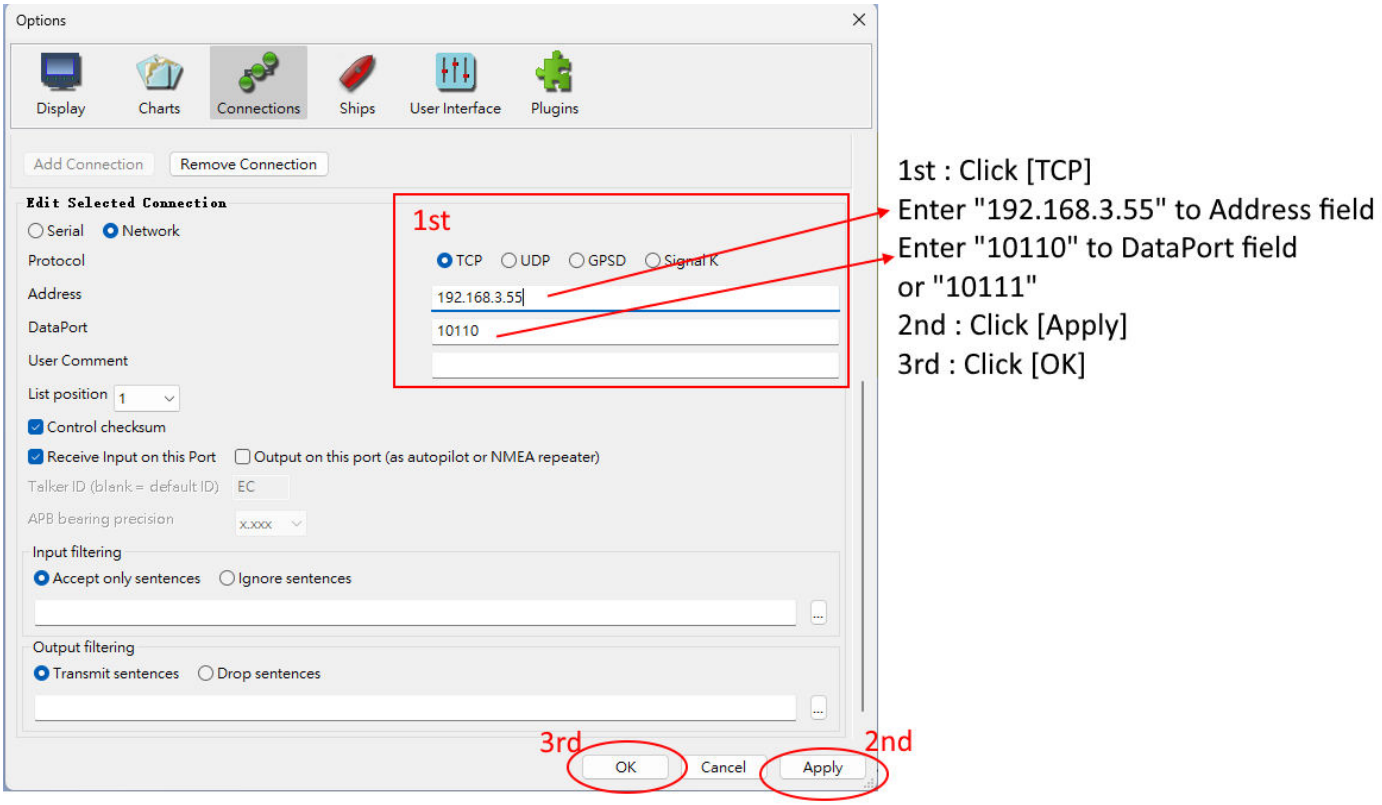
2.4) Select “Add Connection”



2.5) Select “Network”



2.6) Fill the network information as shown below.



2.7) You can then see the data sending from KC-2W through WIFI router