

KS-200A+ WIFI user manual

KS-200A+ 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

Configure KS-200A+ WIFI module

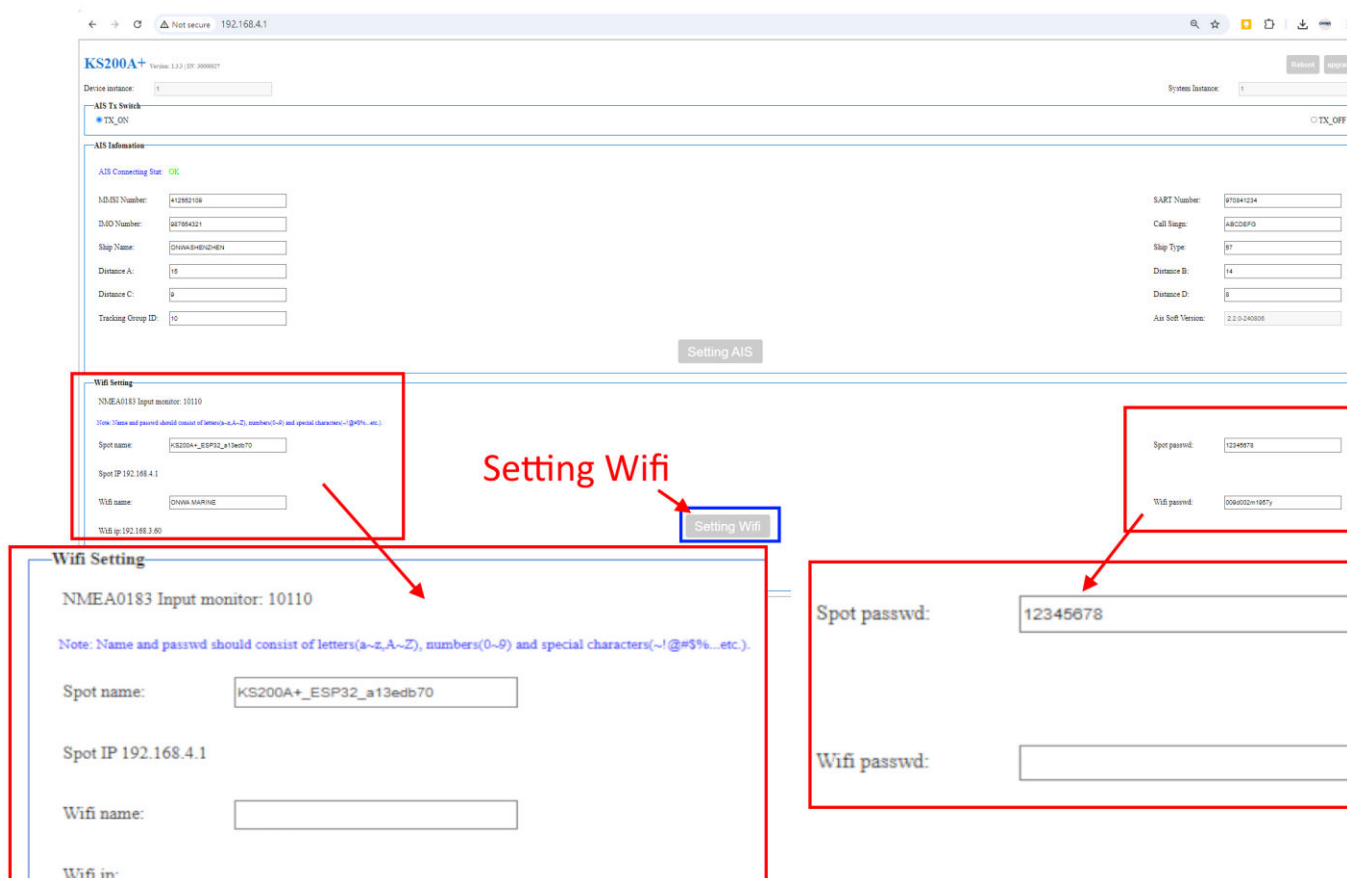
1. Connect KS-200A+ to N2K network, it will power up automatically
2. Check the WIFI network on your mobile or PC
3. Select the WIFI link starting with "KS-200A+"



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.

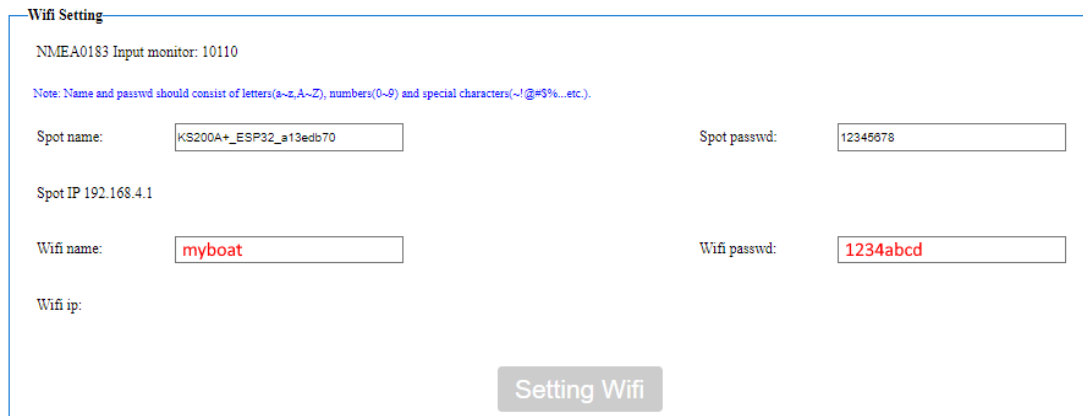
Note : it is advised to switch off the KS-200A+ and power up again to make the change valid.

Use KS-200A+ WIFI module as a hotspot

Note : In case it is not necessary to connect the KS-200A+ 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 KS-200A+ and power up again to make the change valid.

3. There are a valid IP address appear when KS-200A+ WIFI module successfully connected to WIFI router onboard.

Wifi Setting

NMEA0183 Input monitor: 10110

Note: Name and passwd should consist of letters(a-z,A-Z), numbers(0-9) and special characters(~!@#%...etc.).

Spot name: Spot passwd:

Spot IP 192.168.4.1

Wifi name: Wifi passwd:

Wifi ip: **192.168.3.60**

Setting Wifi

4. Then you can configure the IP and port in the application software, please study the below chapter "Example of using NMEA data of KS-200A+ through WIFI network"

Example of using NMEA data of KS-200A+ through WIFI network

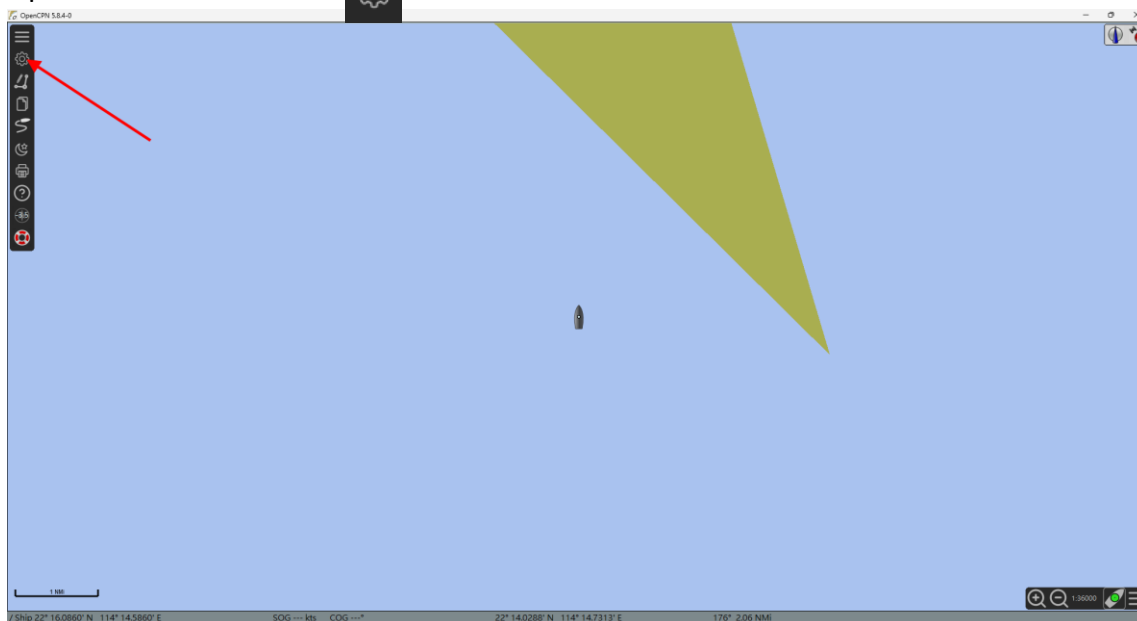
There are two ways to access KS-200A+ : Hot Spot or WIFI Terminal

1) If there is no WIFI router onboard, KS-200A+ is used as a hot spot

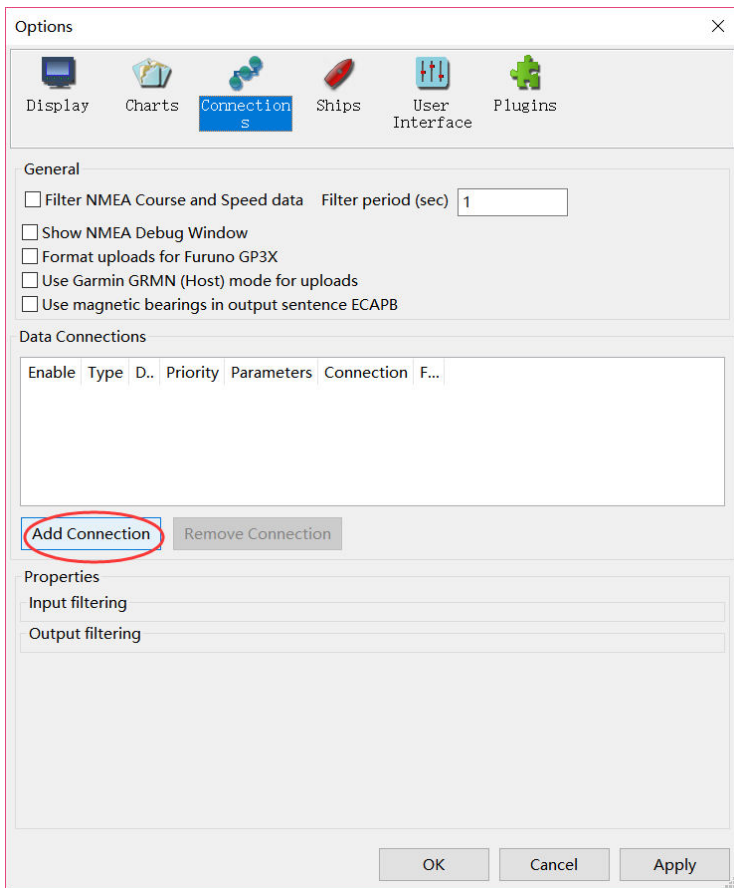
1.1) Connect PC WIFI network to KS-200A+ hot spot

1.2) We use OPENCNP PC version as an example:

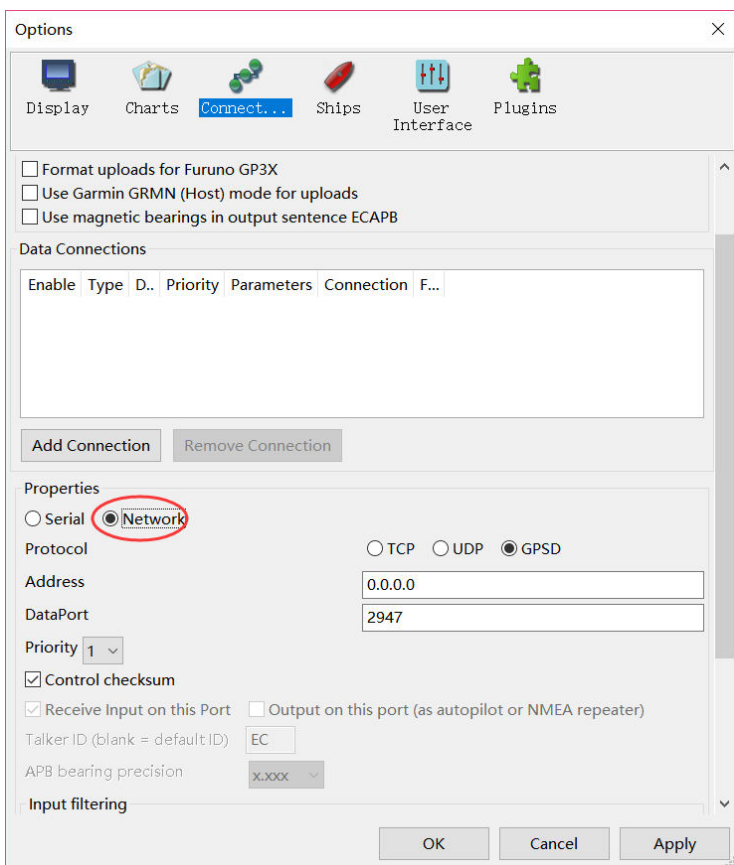
Open OPENCNP and click



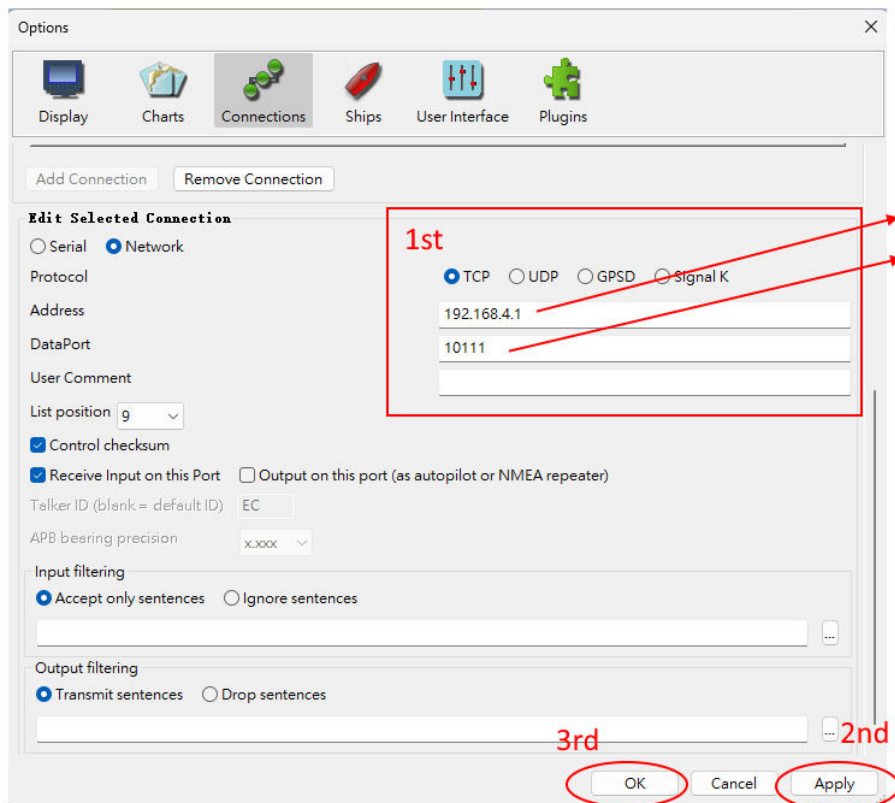
1.3) Select "Add Connection"



1.4) Select "Network"

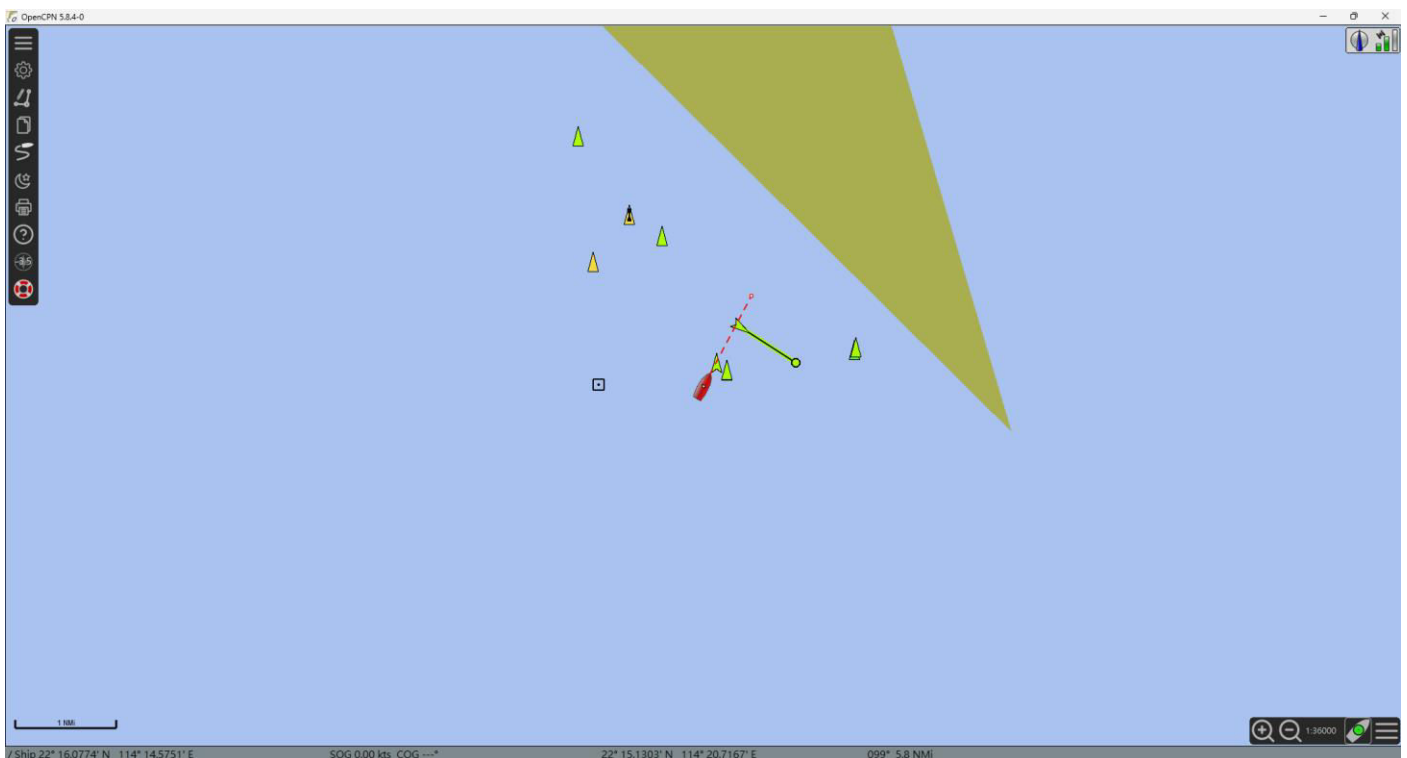


1.5) Fill the network information as shown below.



- 1st : Click [TCP]
- Enter "192.168.4.1" to Address field
- Enter "10111" to DataPort field or "10111"
- 2nd : Click [Apply]
- 3rd : Click [OK]

1.6) You can then see the data sending from KS-200A+ through hot spot.



2) Connect KS-200A+ 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 KS-200A+ 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.

Wifi Setting

NMEA0183 Input monitor: 10110 N2K to NMEA0183 monitor: 10111


Spot name: Spot passwd:

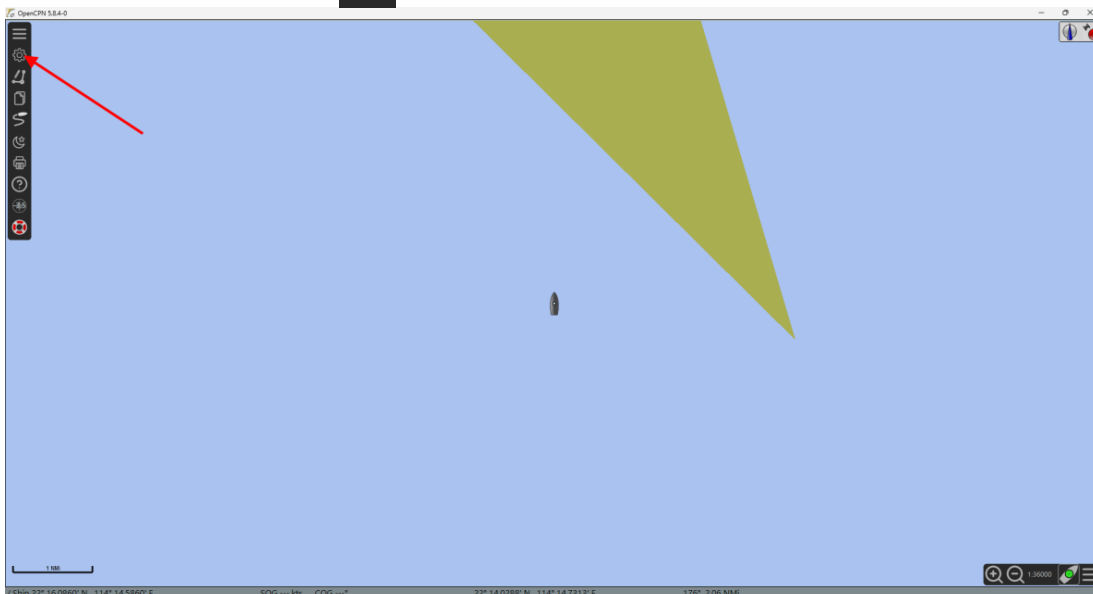
Spot IP 192.168.4.1

Wifi name: Wifi passwd:

Wifi ip:

2.3) We also use OPENCNP PC version as an example:

Open OPENCNP and click 



2.4) Select "Add Connection"

Options

Display Charts **Connections** Ships User Interface Plugins

General

Filter NMEA Course and Speed data Filter period (sec)

Show NMEA Debug Window

Format uploads for Furuno GP3X

Use Garmin GRMN (Host) mode for uploads

Use magnetic bearings in output sentence ECAPB

Data Connections

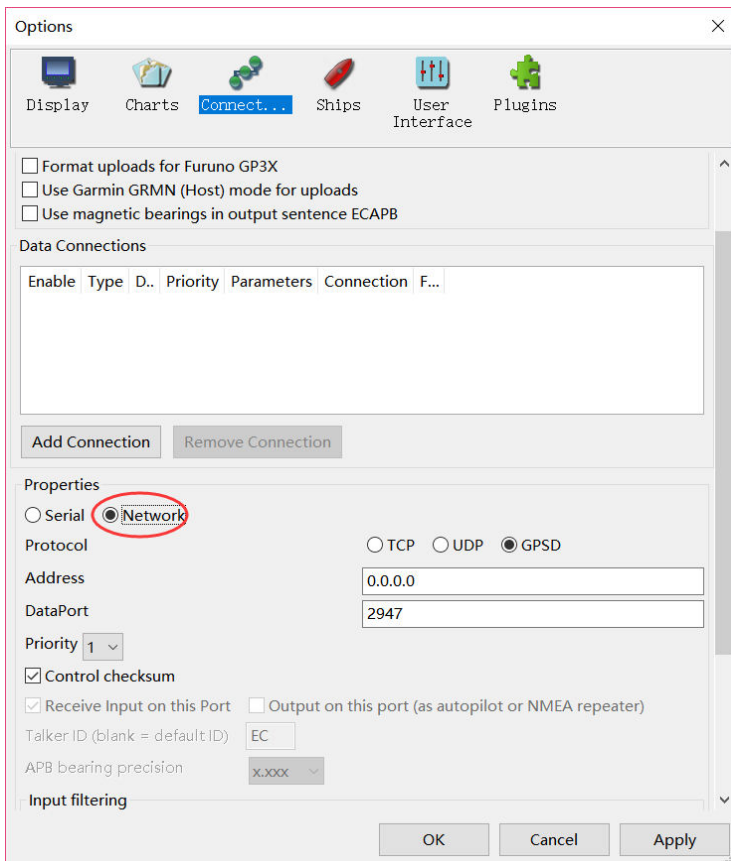
Enable	Type	D..	Priority	Parameters	Connection	F...
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Properties

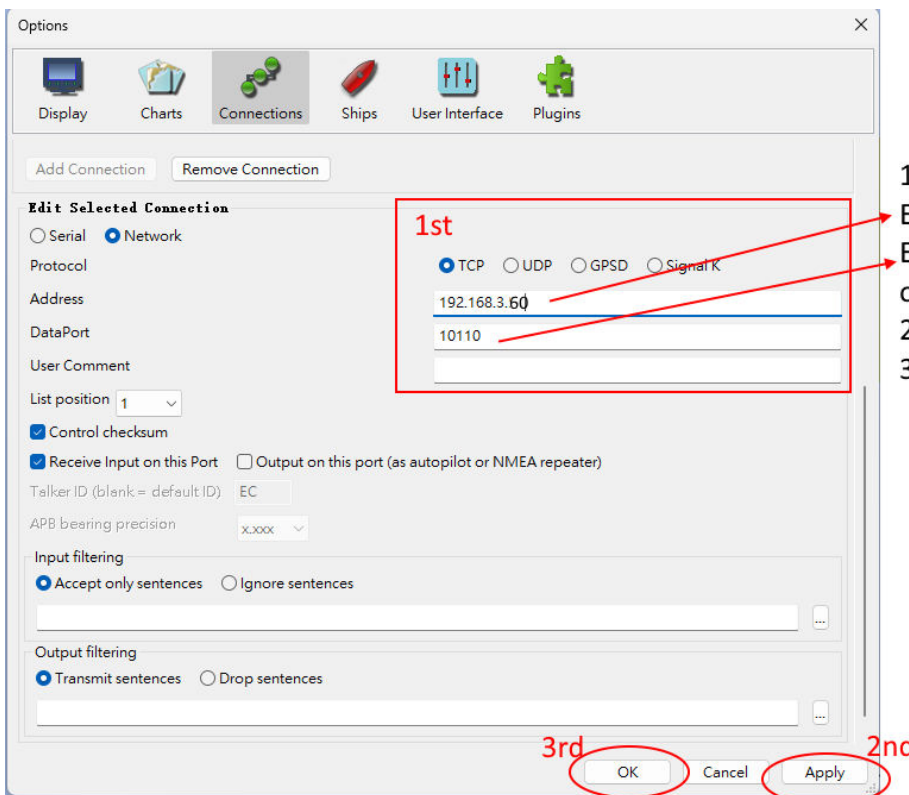
Input filtering

Output filtering

2.5) Select "Network"



2.6) Fill the network information as shown below.



- 1st : Click [TCP]
- Enter "192.168.3.60" to Address field
- Enter "10110" to DataPort field or "10111"
- 2nd : Click [Apply]
- 3rd : Click [OK]

2.7) You can then see the data sending from KS-200A+ through WIFI router

