Before using KS-200A you have to program vessel information by a PC computer first. You can use aisconfig-Vx.x.exe to program ship's data onto KS-200A.

- 1. PC computer system requirement
  - Microsoft Windows XP SP2 / Windows 7
  - Resolution not less than : 1024x768
  - At least one USB port
- 2. Connection
  - Connect KS-200A to your PC computer via an USB converter



**USB** converter

Note : Please download the LX08A driver from here

- 3. Configuration
  - 3.1 Switch on your PC computer and KS-200A
  - 3.2 Download the aisconfig-Vx.x.exe onto your PC computer
  - 3.3 Run aisconfig-Vx.x.exe (Direct Run, installation is not require), the below program will appear.

| Serial port COM1        | ▼ NOT Connect(未连接)               |  |
|-------------------------|----------------------------------|--|
| S information(信息)       |                                  |  |
| MMSI Number (MMSI 编号)   |                                  |  |
| Call Sign (呼号)          |                                  |  |
| IMO (IMO编号)             | 0                                |  |
| Name (船名)               |                                  |  |
| Tracking Group ID(网位仪组编 | 号) 0                             |  |
| Ship Type (船类型) 0       |                                  |  |
| Distance A (距离A) 0      | GPS Antenna                      |  |
| Distance B (距离B) 0      |                                  |  |
| Distance C (距离C) 0      |                                  |  |
| Distance D (距离D) 0      | TX Switch(上报开关)                  |  |
| Version(版本是)            | (* TA_ON (开启反射) (* TA_OFF (天闭反射) |  |
|                         | ┌ Mode(发射模式)                     |  |

| Serial(串口)                          |                              |  |  |
|-------------------------------------|------------------------------|--|--|
| Serial port                         | COM1                         | NOT Connect(未连接)                                 |  |
| IS information(信息<br>MMSI Number (M | COM2<br>COM3<br>COM4<br>COM5 | 0  |  |
| Call Sign (呼号)                      | COM6<br>COM7<br>COM8         |  |  |
| IMO (IMO编号)                         | COM9 -                       | 0  |  |
| Name (船名)                           |                              |  |  |
| Tracking Group I                    | D(网位仪组编号 <mark>)</mark>      | 0  |  |
| Ship Type (船类型                      | ॻ) 0                         |  |  |
| Distance A (距离                      | A) 0                         | GPS Antenna<br>(天华)                              |  |
| Distance B (距离)                     | B) 0                         |  |  |
| Distance C (距离)                     | C) 0                         | AB   |  |
| Distance D (距离                      | D) 0                         | TX Switch(上报开关)<br>「TX_ON (开启发射) C TX_OFF (关闭发射) |  |
| Version(版本号)                        |                              | Mode(发射模式)                                       |  |
|                                     |                              |  |  |

3.5 Click the [NOT Connect] button, and then it will change to [Connected]

| Serial port COM1 💌       | NOT Connect(未连接)                                  |  |
|--------------------------|---|--|
| S information(信息)        |   |  |
| MMSI Number (MMSI 编号)    |   |  |
| Call Sign (呼号)           |   |  |
| IMO (IMO编号)              | 0   |  |
| Name (船名)                |   |  |
| Tracking Group ID(网位仪组编号 | 0   |  |
| Ship Type (船类型) 0        |   |  |
| Distance A (距离A) 0       | GPS Antenna                                       |  |
| Distance B (距离B) 0       | (天线) [C]  |  |
| Distance C (距离C) 0       |   |  |
| Distance D (距离D) 0       | TX Switch(上报开关)<br>● TX ON (开启发射) ○ TX OFF (关闭发射) |  |
| Version(版本号)             |   |  |
|                          | © SO-TDMA C CS-TDMA                               |  |

## 3.4 Choose serial port in PC that connected KS-200A.

| Serial port COM1                        | ▼ Connected(已连接)               |  |
|---|--------------------------------|--|
| S information(信息)                       |                                |  |
| MMSI Number (MMSI 编号)                   | 0                              |  |
| Call Sign (呼号)                          |                                |  |
| IMO (IMO编号)                             | 0                              |  |
| Name (船名)                               |                                |  |
| Tracking Group ID(网位仪组编号                | B) 0                           |  |
| Ship Type (船类型) 0                       | T                              |  |
| Distance A (距离A) 0                      | GPS Antenna                    |  |
| Distance B (距离B) 0                      | (天线) [ ] ] [ ]                 |  |
| Distance C (距离C) 0                      |                                |  |
| Distance D (距离D) 0                      | TX Switch(上报开关)                |  |
| Version(版本是)                            | ● IX_ON (开启发射) ● IX_OFF (美闲发射) |  |
| 100000000000000000000000000000000000000 | - Mode(发射模式)                   |  |

3.6 Click [Read], will appear "Successful Reading!" then you can see data in KS-200A.

| Serial port CC   | 0M1 _▼   | Connected(已连接)  |  |
|--|--|---|--|
| 。<br>information(信息)—  |  |   |  |
| MMSI Number (MMS)  | [编号]   | 412552106   |  |
| Call Sign (呼号)   |  | ABCDEFG   |  |
| IMO (IMO编号)  |  | 987654321   |  |
| Name (船名)  |  | ONW aisconfig-V1.10   |  |
| Tracking Group ID(网<br>Ship Type (船类型)<br>Distance A (距离A)<br>Distance B (距离B)<br>Distance C (距离C)<br>Distance D (距离D)<br>Version(版本号) | <ul> <li>協位仪组编号</li> <li>57</li> <li>15</li> <li>14</li> <li>9</li> <li>8</li> <li>1.08</li> </ul> | 5) 66666<br>Successful Reading!<br>确定<br>C<br>A<br>B<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C |  |

Note : If you can't get "Successful Reading!" please check the connection between PC and KS200A or confirm you choose the correct serial port.

3.7 Input your MMSI, IMO, CALL SIGN, NAME, Ship Type data and VHF antenna position A, B, C, D as below



3.8 After input all data, click [Write] to save the edited data onto KS-200A. A "Successful Writing!" message will appear if the edited data is written onto KS-200A successfully.

| Serial port COM1  | ▼ Connected(已连接)                |  |
|---|---------------------------------|--|
| S information(信息)   |                                 |  |
| MMSI Number (MMSI 编   | 号) 412552106                    |  |
| Call Sign (呼号)  | ABCDEFG                         |  |
| IMO (IMO编号)   | 9876 aisconfig-V1.10            |  |
| Name (船名)   | ONW ON ON OTHER                 |  |
| Tracking Group ID(网位<br>Ship Type (船类型) 5<br>Distance A (距离A) 1 | 2组编号) 6666 Successful vvriting! |  |
| Distance B (距离B) 1  |                                 |  |
| Distance C (距离C) g  | A B                             |  |
| Distance D (距离D) 8  | TX Switch(上报开关)                 |  |
| Version(版本号) 1  | 08 Mode(发射模式)                   |  |

## 4. FINISHED

Note :

1) For TX switch, Please always keep it on "TX-ON" unless you don't want to report your boat's information for some special case.

2) For Mode, you can either choose on SO-TDMA or CS-TDMA. It is advised to leave it on SO-TDMA mode.

3) For the Tracking Group ID, It is used together with Onwa AIS tracking buoy. If you do not have any Onwa AIS tracking buoy onboard you can leave it blank or enter any number.

4) Please find the most common Ship type number. Example : for Sailing boat please enter "36" in the Ship Type column.

| 30 | Fishing  |
|----|--|
| 31 | Towing   |
| 32 | Towing: length exceeds 200m or breadth exceeds 25m |
| 33 | Dredging or underwater ops                         |
| 34 | Diving ops   |
| 35 | Military Ops                                       |
| 36 | Sailing  |
| 37 | Pleasure Craft                                     |
| 38 | Reserved   |
| 39 | Reserved   |
| 40 | High speed craft (HSC), all ships of this type     |