# LoRa device (TAG11)
# Configuration Manual V1.0

## 1. USB RS232 Cable



Please use the RS232 special configuration cable which is provided by our company to connect the computer to configure the device.

## 2. Steps

1) PL-2303 driver is for RS232 configuration cable,



Please install                                                        in    windows    systems
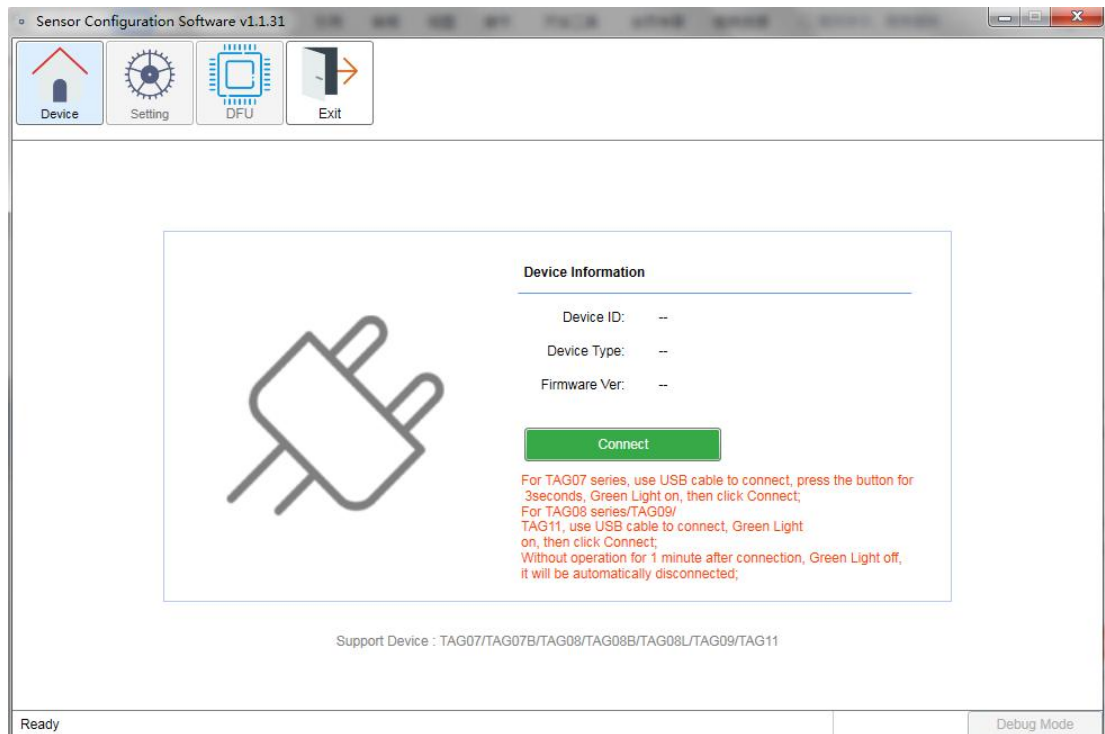(XP/Vista/Win7/Win8/Win10)
2) Connect the configuration cable to the computer.
3) After the device is installed successfully, return to the desktop, select "My Computer"-> right-click -> choose "Manager"-> "System Tools" -> "Device

Manager" -> "Ports", and you will find the port which configuration cable is connected. ![Prolific USB-to-Serial Comm Port (COM3)] .
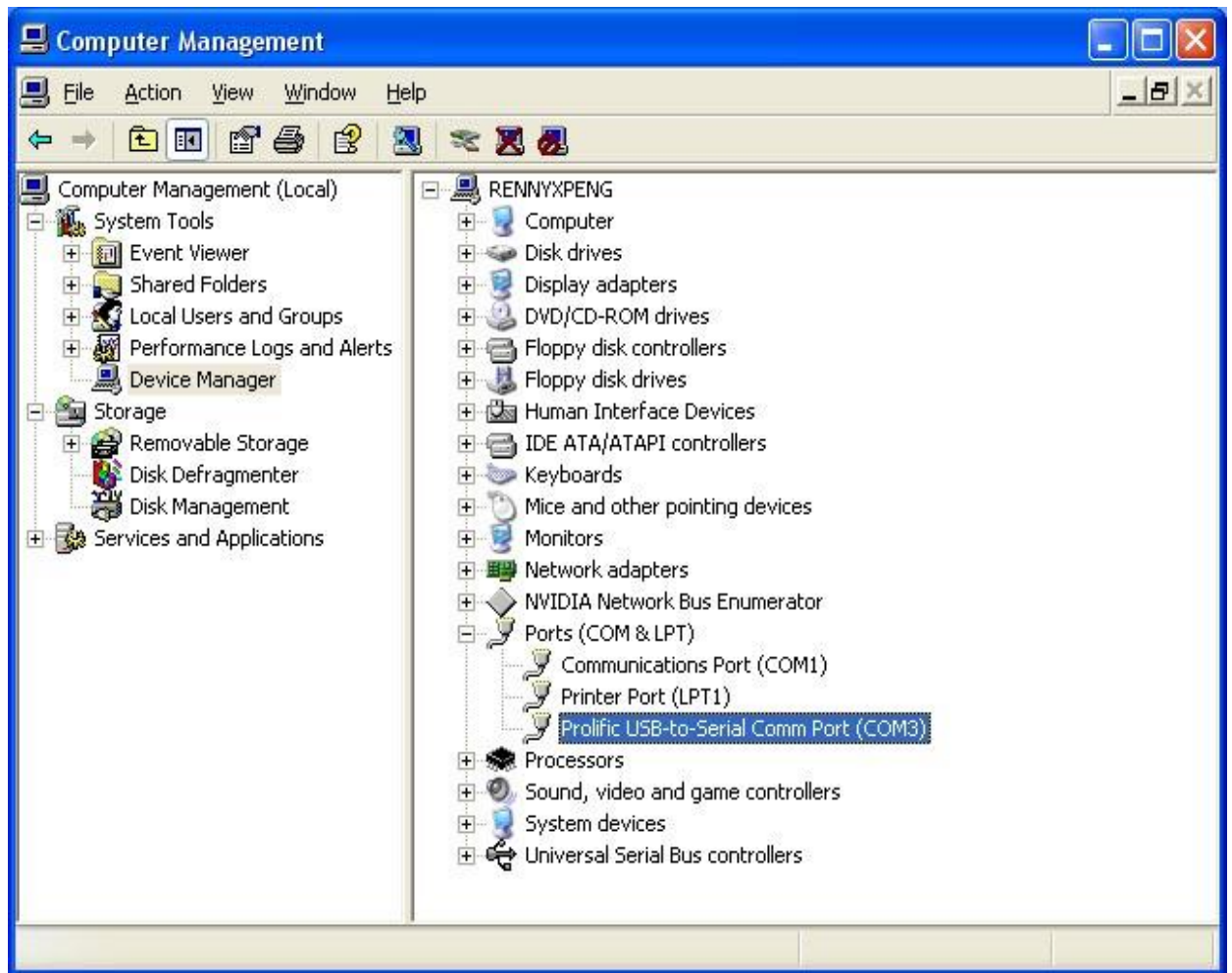


## 3. Configure Software

1）Connect the device to computer through the RS232 configuration cable.

2）Run the configuration software ![Sensor Configuration Software.exe]

**Device Information**

Device ID:  --

Device Type:  --

Firmware Ver:  --

Connect

For TAG07 series, use USB cable to connect, press the button for 3seconds, Green Light on, then click Connect;
For TAG08 series/TAG09/
TAG11, use USB cable to connect, Green Light on, then click Connect;
Without operation for 1 minute after connection, Green Light off, it will be automatically disconnected;

Support Device : TAG07/TAG07B/TAG08/TAG08B/TAG08L/TAG09/TAG11

3）Connection

4）A.Confirm that the switch of the device is on, if it is on, connect the RS232 configuration line to the device and the computer until the green light is always on , and then click "Connect";

B. Confirm that the switch of the device is on, if it is off, please turn it to on first, wait for the light off, and then connect the RS232 configuration line to the device and the computer until the green light is always on and then click "Connect";

After successful connection, the following image interface will appear (If the device is not operated within 1 minute and the green light is off, the device will automatically disconnect, and you need to click "connect" again before you can continue to configure the device).
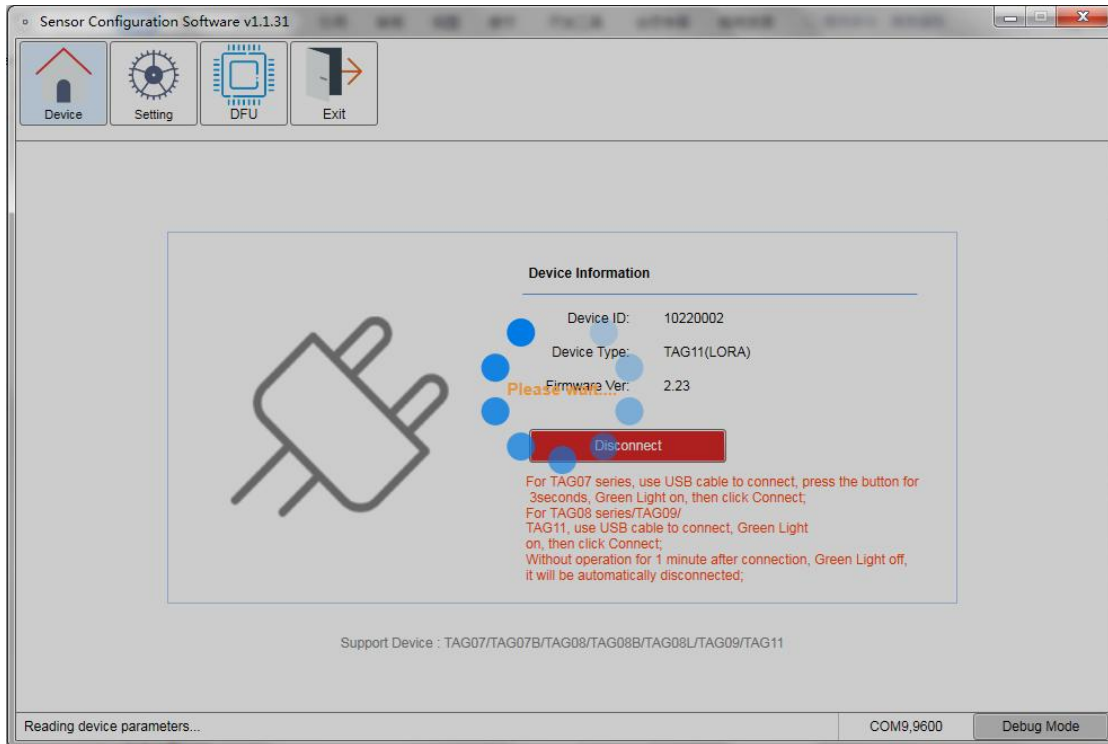
4）Setting

After successful connection, the device will automatically change to the setting interface:
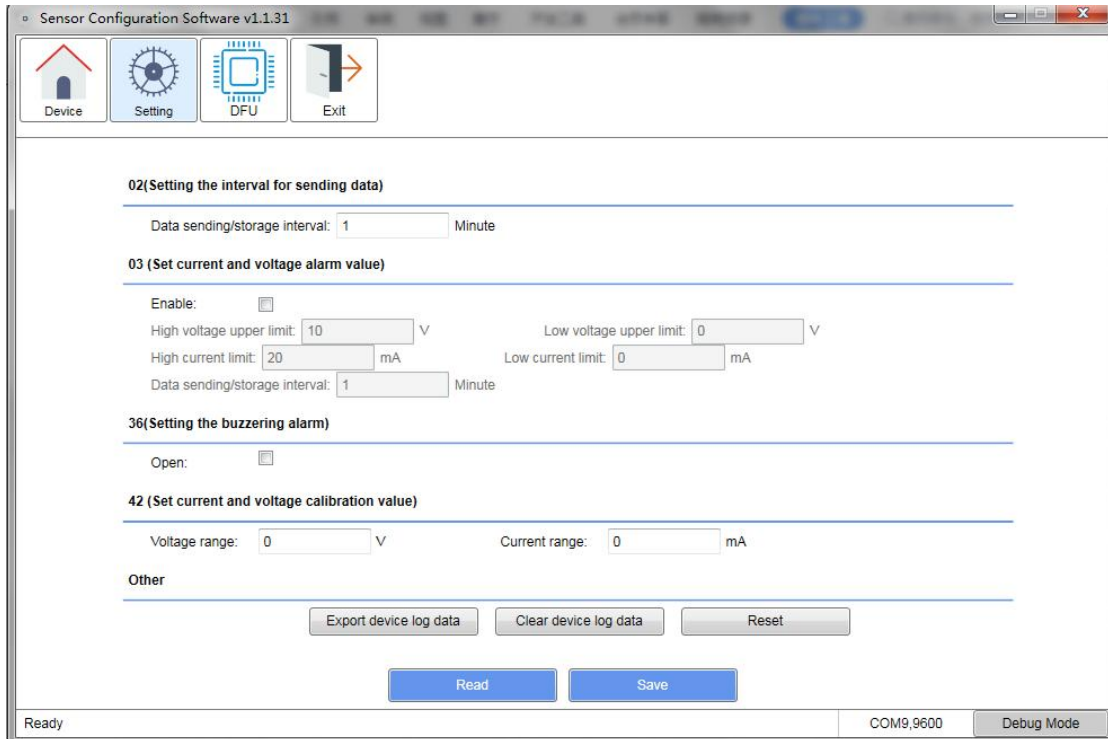
## Setting the interval for sending data(02)

**Data sending/storage interval:** The device data transmission interval
X:[1,1440], Unit:Min,default:15

## Setting the Voltage&Current Threshold(03)

**Enable:** enable TAG alarm function

If device'sVoltage and current exceeds or falls below the upper and lower limit

of theVoltage and current, it will give an alarm..

**High voltage threshold:**［0.000-10.000］, unit:V, default: 100;
**Low voltage threshold:** ［0.000-10.000］,unit:V,default: 0
**High current threshold:**[0.000-20.000],unit:mA,default:20.000
**Low current threshold:**[0.000-20.000],unit:mA,default:0.000
**Data sending/storage interval:**Time interval of voltage&current alarm[1-1440],
unit:min, default:1

## Setting the buzzer alarm(36)

**Open:** enable buzzer alarm function,the alarm is called for 1 minute by default

## Setting Temp&RH calibration (42)

**Voltage range:**
If the calibration value is added to the voltage and current, it begins with +;
If the calibration value is reduction to the voltage and current, it begins with -;
Can support to one decimal point

## Others

**Export device log data:** The recorded data can be saved and exported to a CSV file
via click and the data will be automatically cleared after exporting.
**Clear device log data:** Click to delete the data recorded of the device
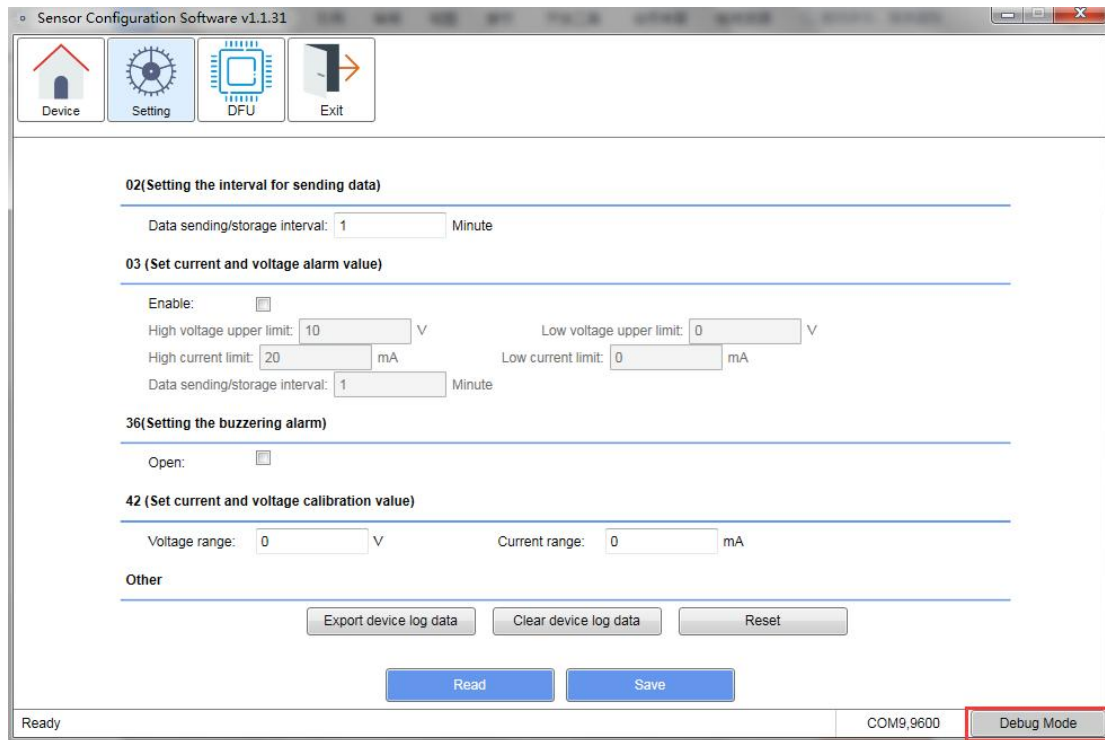**Reset:** click and reset the device
**Read:** click and read all the parameters of the device
**Save:** click and save all the parameters of the device

# Debug mode

In debugging mode, device parameters can be configured and device logs can be viewed by commands.
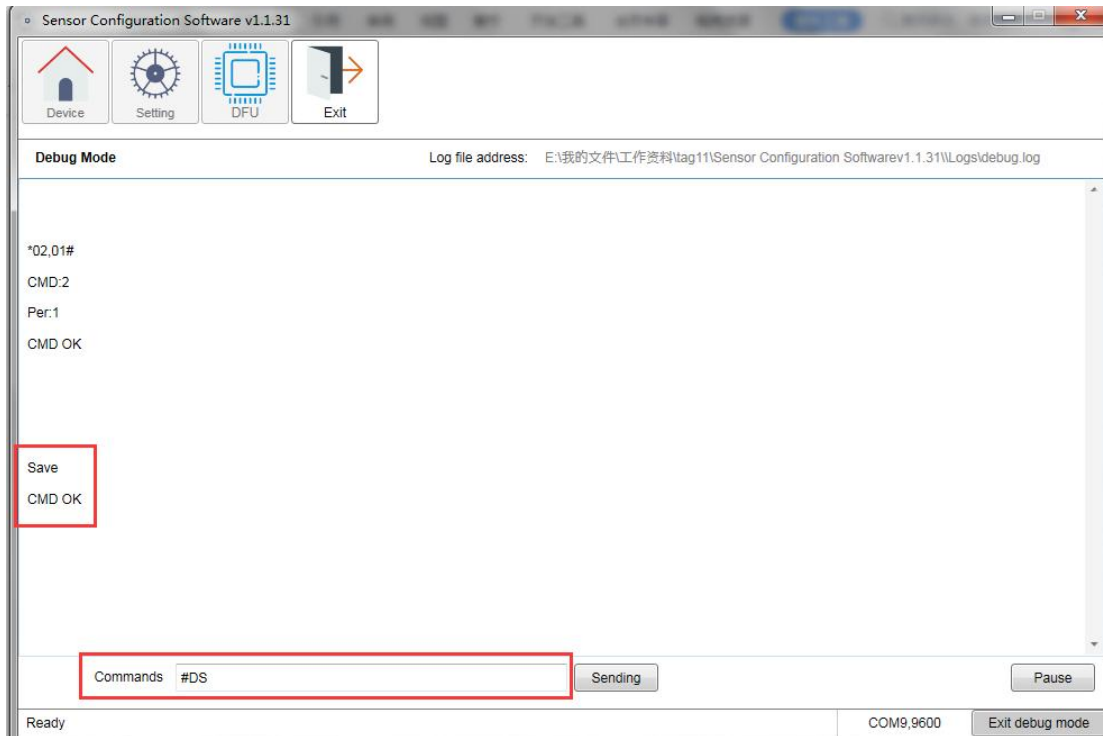
1) Click to enter debug mode:



2) In debug mode , the device parameters are configured directly by commands.

Note: After writing the commands, please click "send". After sending , please write #DS to save the setting(Please refer to the command list for more detailed)..
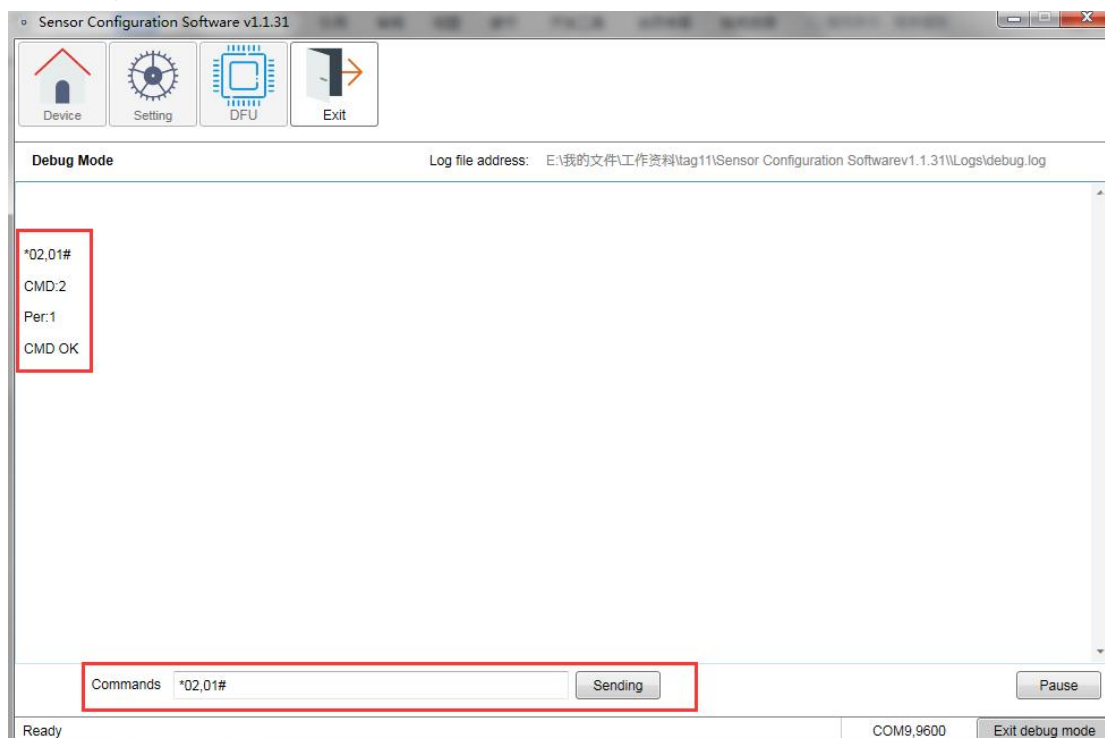
3) View the device log in debug mode

After 1 minute, the device will exit the configuration mode and enter the device log mode. Machine data can be viewed, and log reports are stored in the log file.
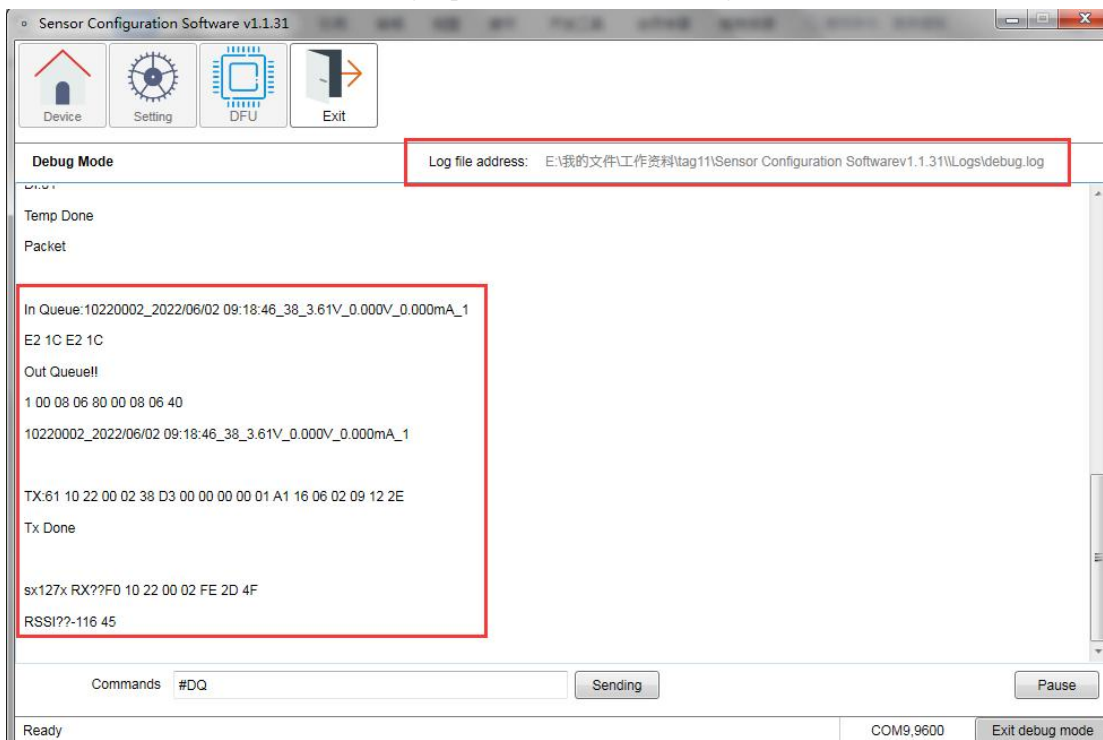


4) Click to exit debug mode

Click to exit debugging mode to return to the home page, If the device green light is off, it is necessary to click "disconnect" and insert the RS232 configuration cable again.Click the connect when the green light is always on.
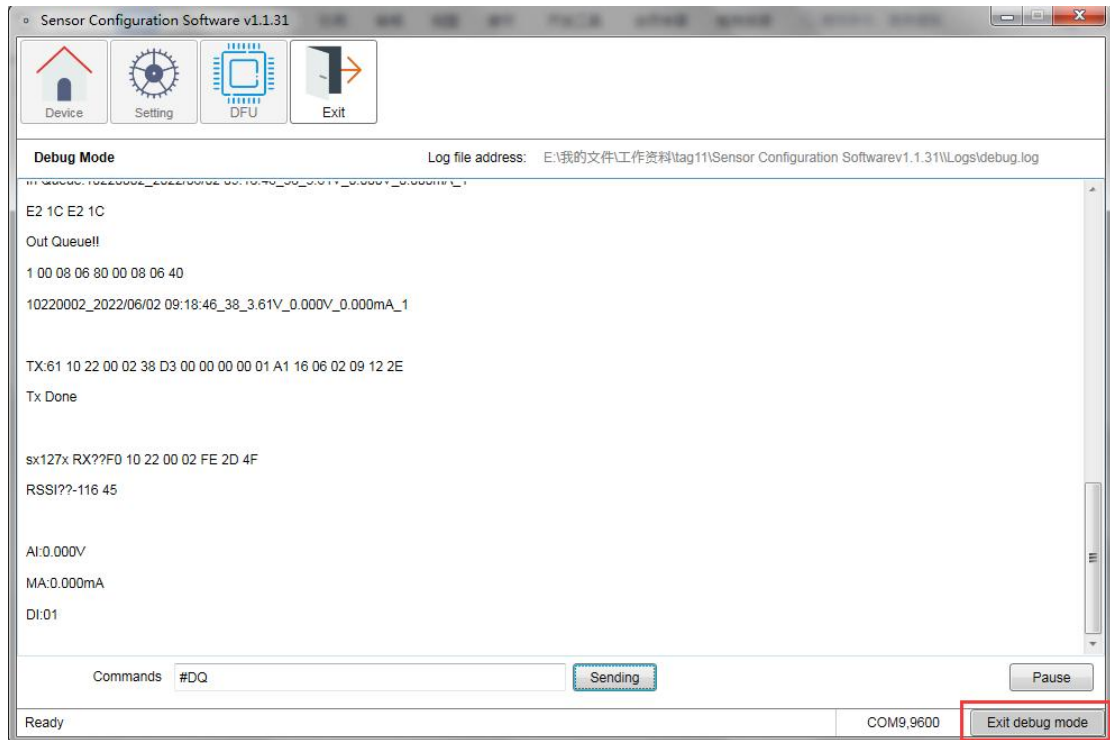
Note: The device can only be configured when the green light is always on. The device cannot be configured after the green light is off.