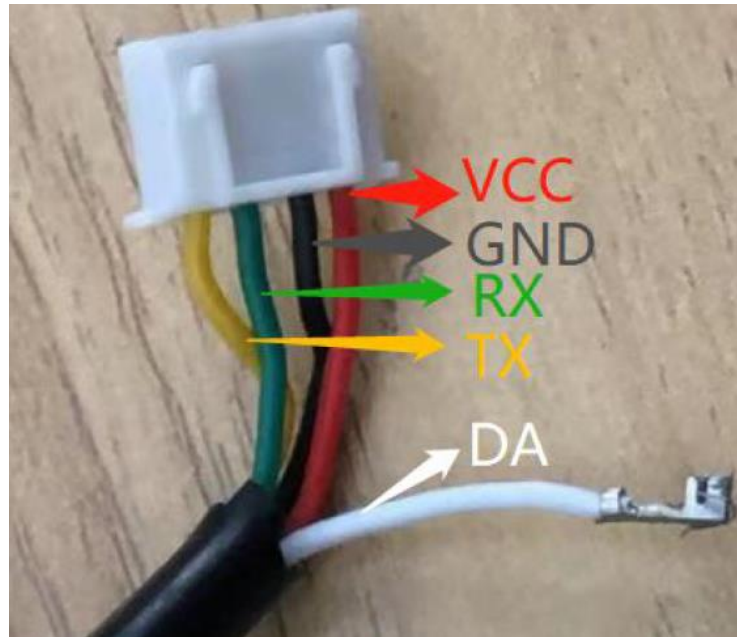


KWS-5000 Calibration Instruction

Before calibration, if the sensor is placed in water, take the sensor out and spin dry, place it in the air for 1 day, and place the sensor in clean air (a place where no one is ventilated) to prepare for calibration.

1. Wiring



2. Preparation

The tools needed for calibration are: sensor, power supply, usb to ttl, computer



3. Connection

1). Connect the VCC, GND of the sensor to the power supply, GND, RX, TX to the usb to TTL.



Precautions when connecting:

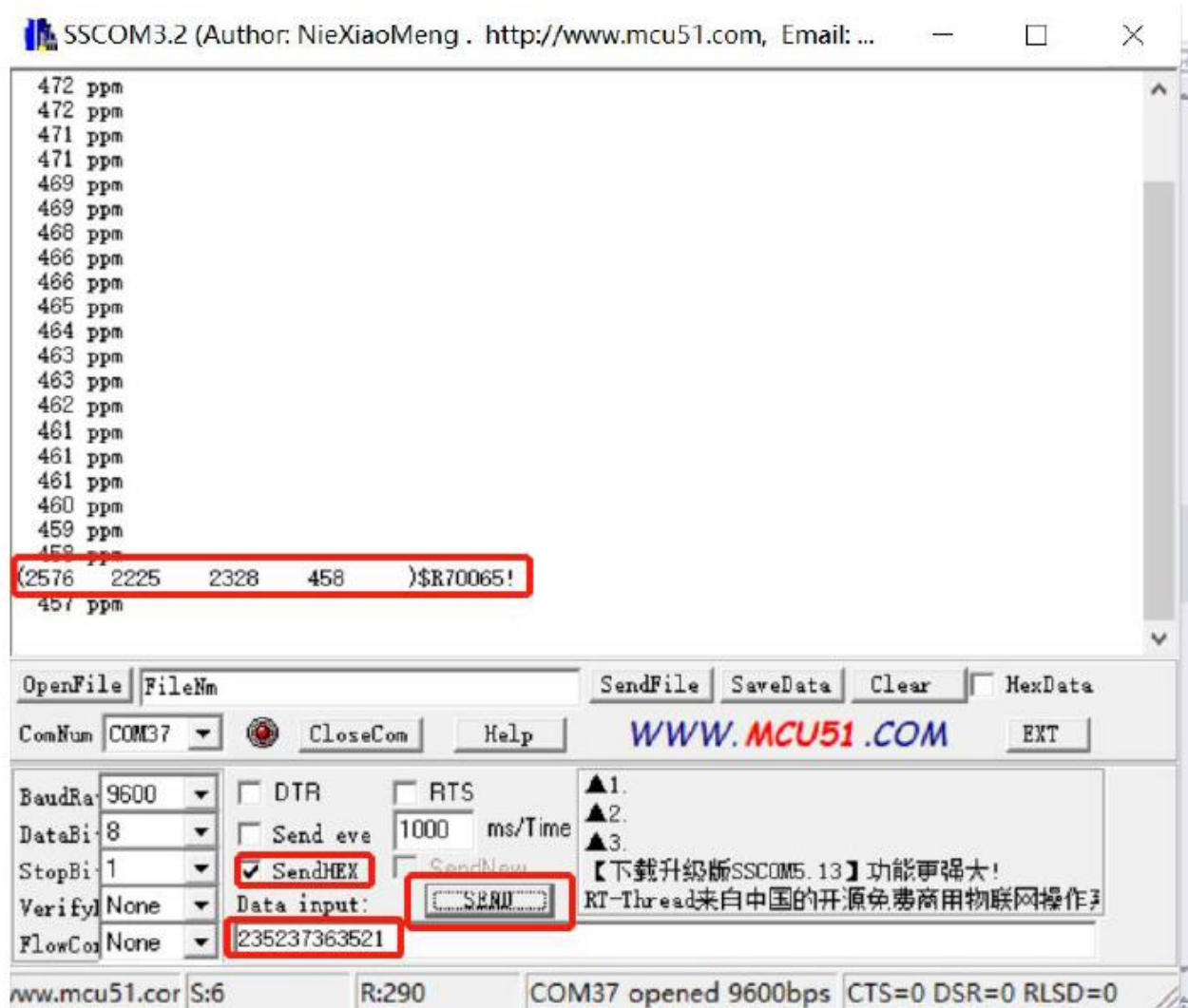
- 01, the power supply of the sensor and the usb to TTL should share the same ground;
- 02, Usb to ttl is connected with the sensor according to GND-GND, RX-TX, TX-RX.



2). Connect the usb to ttl to the computer, power the sensor, turn on the computer, open the serial port debugging assistant sscom3.2, connect the serial port number ComNum, baud rate BaudRate: 9600, data bit Data bit: 8, stop bit Stop Bit: 1, Check bit Verify bit: None, Flow Control: None. After the setting is successful, the sensor will actively upload the concentration value. Select SendHEX, enter: 235237363521 in the input box and click "SEND". The returned result is shown in the figure below. If the

returned format is correct, the communication is normal.

(Note: The numbers in the returned format may be different from those in the example):



4. Judgment of sensor abnormality:

Wait for 3 minutes to check the concentration value of the sensor. If the concentration value is within 1200ppm, it can be calibrated. If the concentration value is greater than 5000ppm, it means that the sensor is abnormal and needs to be returned to the factory for repair.

5. Calibration:

After the sensor is powered on and preheated for 2 hours, if it is within the concentration value range, enter the calibration 420ppm command in the input box: 2357353030343230353421, click "Send", as shown in the figure below, it means that the calibration is complete (note: the numbers in the returned format are the same as those in the example may be different).

