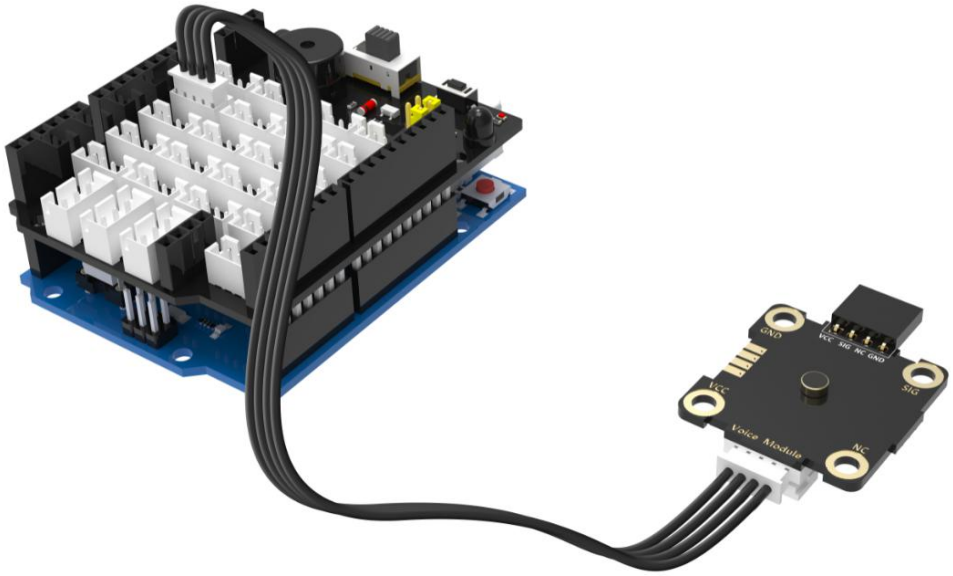
Experimental content: Read the analog value data of the sound sensor and print it out through the serial port

Experiment preparation: UNO board *1, Plugkit sensor expansion board *1, USB data cable *1, IR controller *1, Sound sensor module *1, 4pin cable(PH2.0) *1.

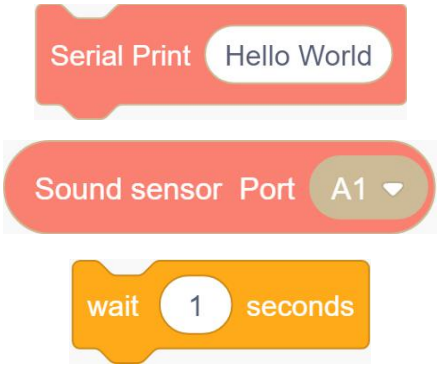
Experimental wiring:



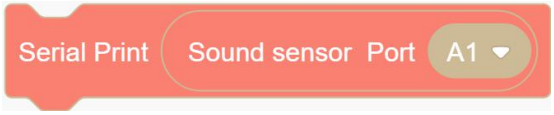
The sound sensor module is connected to the connector of the sensor expansion board with silk screen (GND, A0, A1, 5V), SIG: A1.

Experimental steps:

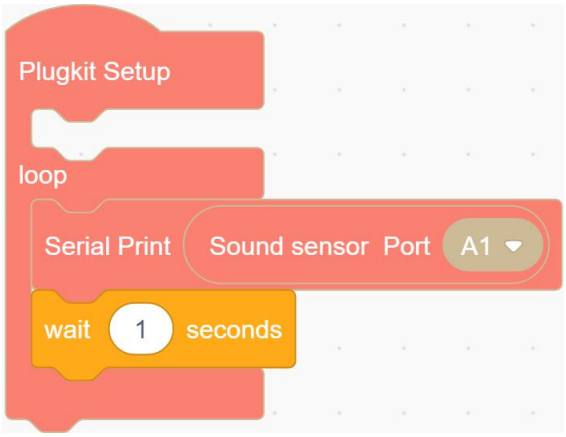
1.Select the following blocks in the [Plugkit], [Control].



2.Put the sound sensor block into the serial print block. The default port A1 didn’t need to modify.



3.Stack the assembled blocks last step with the "wait for 1 seconds" block and put them in the loop block.

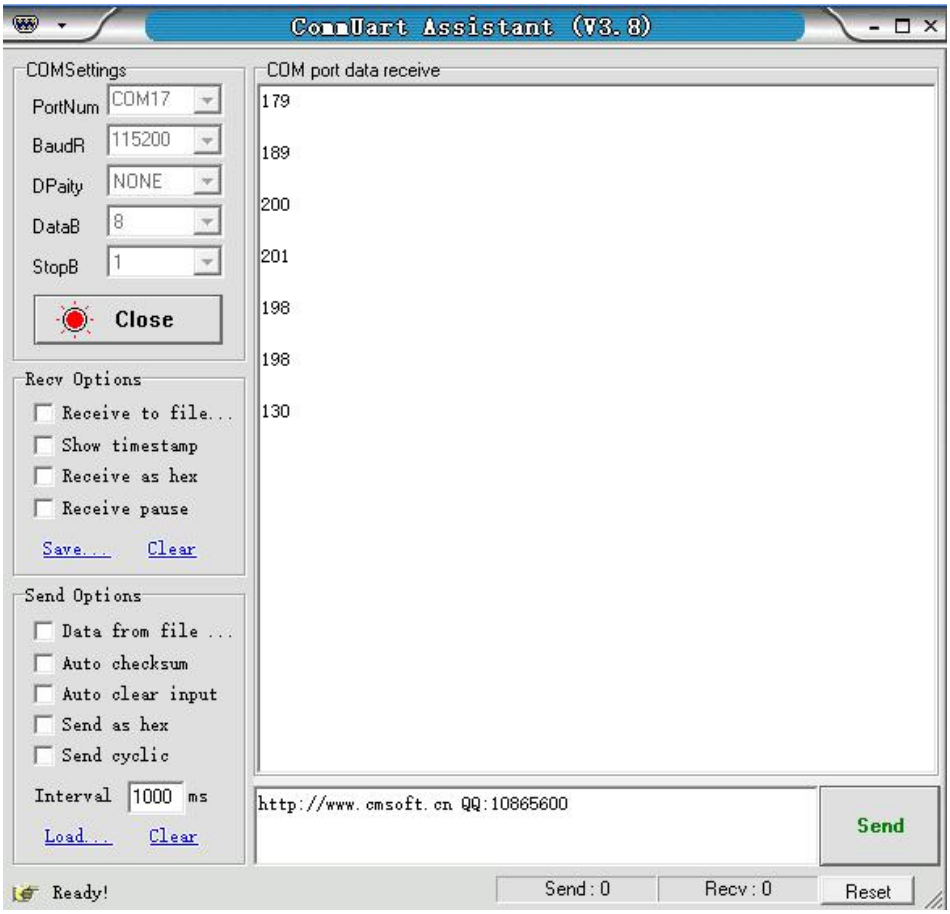


4.Connect to the computer through the USB data cable, click 

the upper right part of helloblock to switch to the code mode, select the serial port number other than COM1

, click the upload symbol  in the upper right corner, wait patiently for a moment, and when the lower right corner appears “Done compiling. Done uploading” indicates the upload is successful. For details, please refer to the [About helloblock programming]---[6.Helloblock basic operation].

Experimental phenomena: Open the serial port debugging assistant, select the baud rate 115200, open the serial port. We can see that serial port print sound sensor collect data every 1s. If we use USB port data cable to power, the normal value is 150 ~ 300. If we use DC battery box to power, the normal value is about 0. As shown below.


ComUart Assistant (V3.8)
COMSettings
PortNum
COM17
BaudR
115200
DPaity
NONE
DataB
8
StopB
1
Close
Recv Options
Receive to file...
Show timestamp
Receive as hex
Receive pause
Save...
Clear
Send Options
Data from file ...
Auto checksum
Auto clear input
Send as hex
Send cyclic
Interval
1000
ms
Load...
Clear
COM port data receive
179
189
200
201
198
198
130
http://www.cmsoft.cn QQ:10865600
Send
Ready!
Send : 0
Recv : 0
Reset