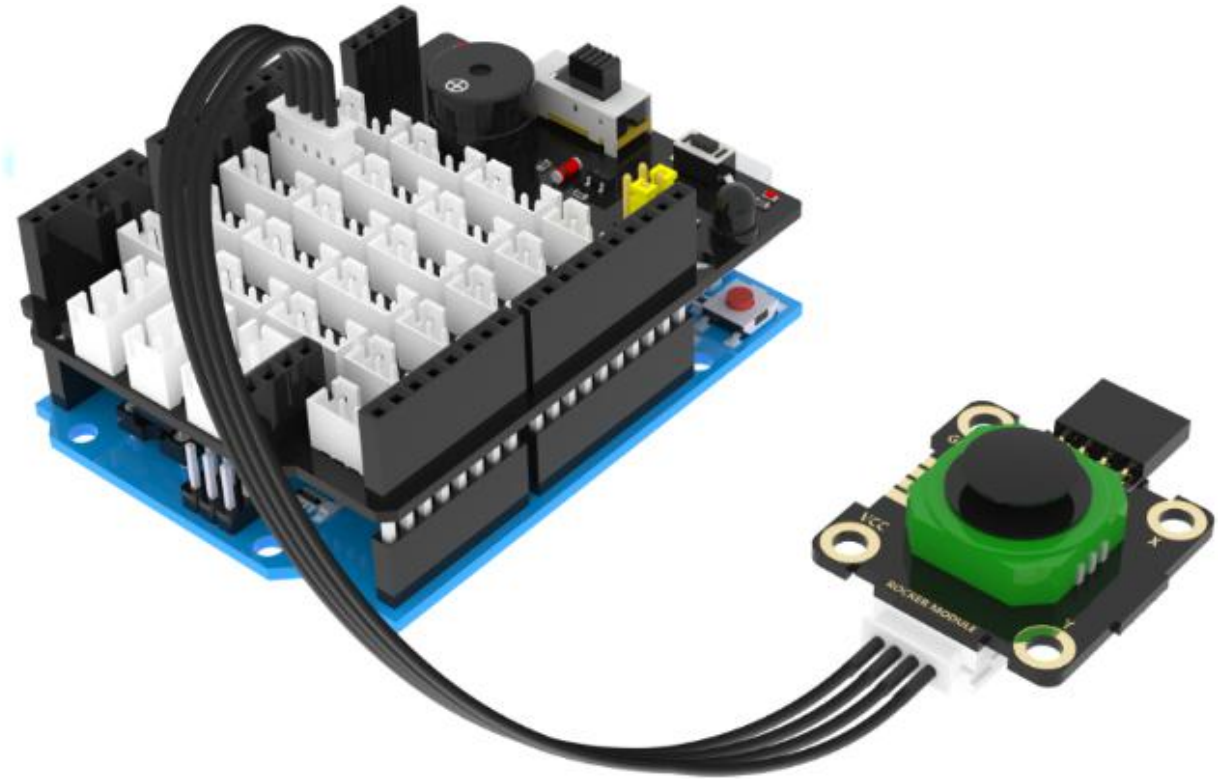
Experimental content: Serial port print rocker value

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

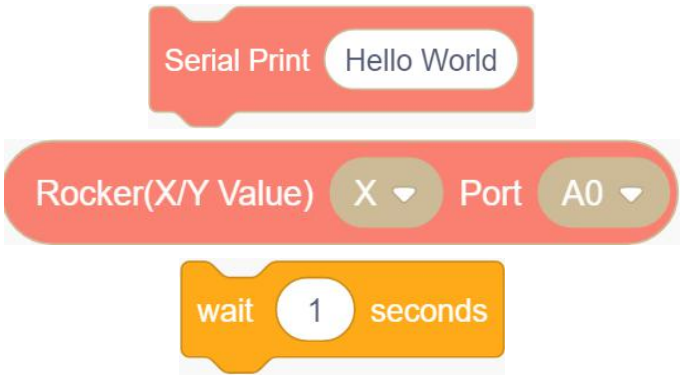
Experimental wiring:



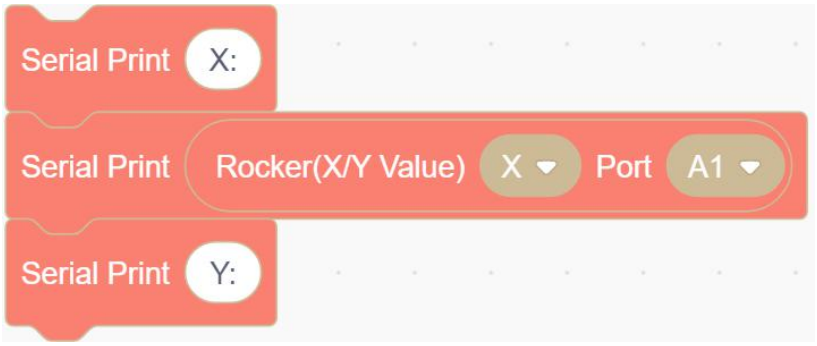
The rocker module is connected to the interface of the sensor expansion board with silk screen (GND, A0, A1, 5V), X: A1, Y: A0.

Experimental steps:

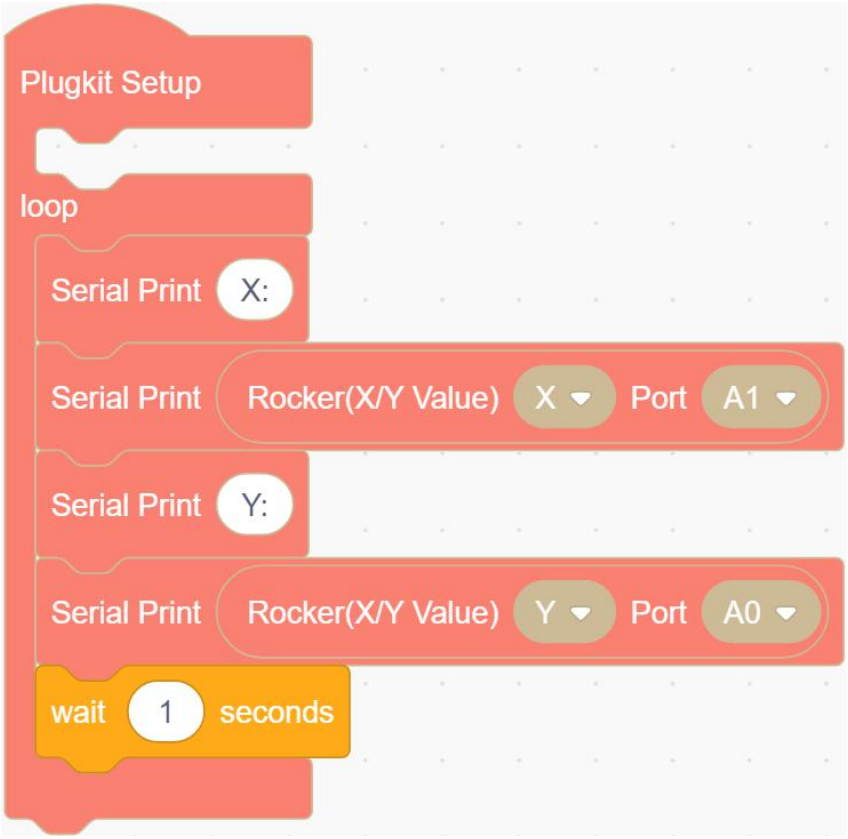
1.Select the following building blocks in the [Plugkit] and [Control].



2.If you want to print out the X and Y directions of the rocker at the same time, you need to use two rocker module blocks. One block can only collect values in one direction at the same time.



3.According to the hardware design, the analog port should select A1 in the X direction of the rocker module, and the analog port should select A0 in the Y direction of the rocker module. In order to distinguish, you can also add a serial port print string block on the serial port print rocker module.



4.Compiling and uploading programs.

Experimental phenomena: Open the serial port debugging assistant, select the baud rate 115200, select the display receiving time. Open the serial port, and we can see the serial port prints the read analog values of the X and Y directions of the rocker every 1s.