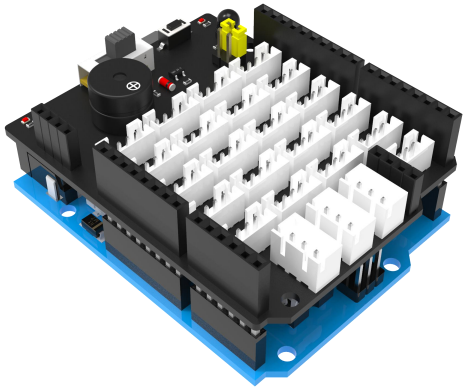
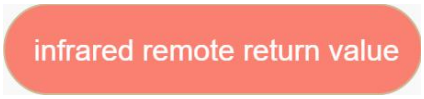
Experimental content: When we press the key of IR controller, print the key value on the serial port. For example, if you press the red power button, the serial port prints the string "POWER"
Experiment preparation: UNO board *1, Plugkit sensor expansion board *1, USB data cable *1, IR controller *1
Experimental wiring: Connect jumper caps at 12 and IR on the sensor expansion board. The factory default jumper caps have been connected.

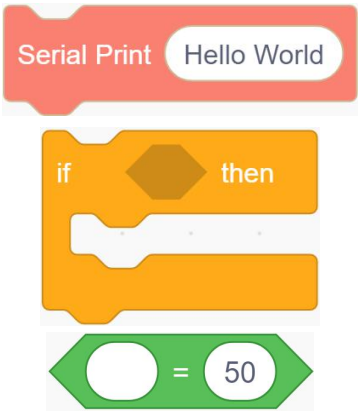


Experimental steps:
1.Select the following blocks in the [Plugkit], [Control], [Operation].

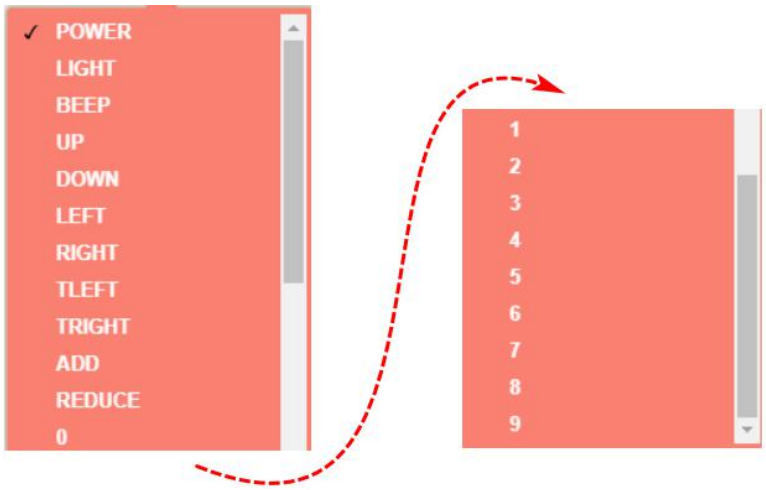


When the infrared remote control is pressed, the data received by the on board infrared remote receiver

Parameter is the selection of IR controller buttons. There are 21 buttons in total, so there are 21 options.

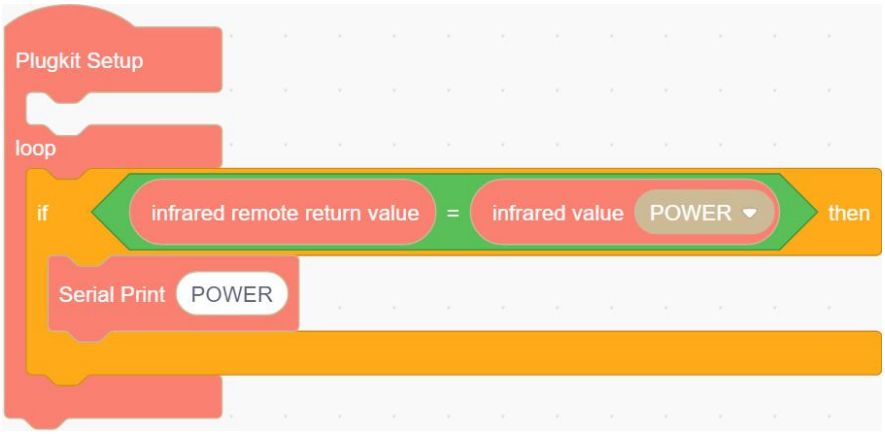


2. When the IR controller return value is equal to the power of the IR controller button



21 buttons in total

3. When the IR controller return value is equal to the power of the IR controller button, serial port prints the string "POWER"



4. Compiling and uploading programs.

Experimental phenomena: Open the serial port debugging assistant, set the baud rate to 115200, open the serial port, and the infrared remote control transmitter head is aligned with the infrared receiver head and press the red power button to see the serial port debugging assistant will print out the “POWER”.