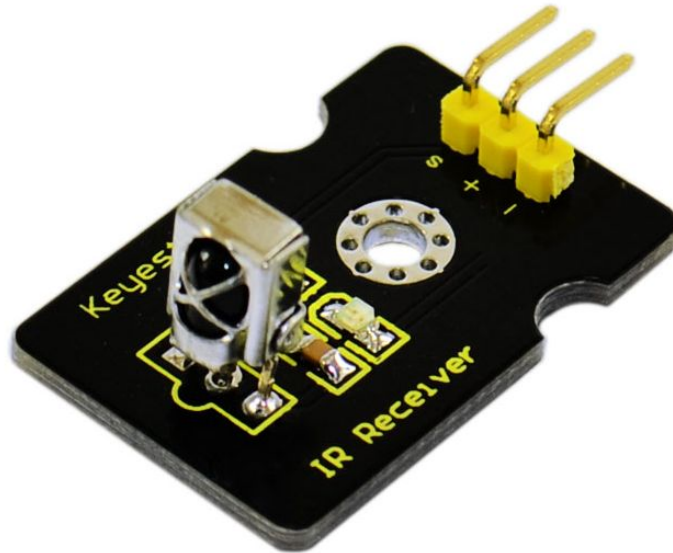# keyestudio

Digital IR Receiver Module

Introduction:

IR is widely used in remote control. With this IR receiver, Arduino project is able to receive command from any IR remoter controller if you have the right decoder. Well, it will be also easy to make your own IR controller using IR transmitter.

Specification:

Power Supply: 5V
Interface:Digital
Modulate Frequency: 38Khz
Module interface socket:JST PH2.0
Size: 30*20mm
Weight: 4g

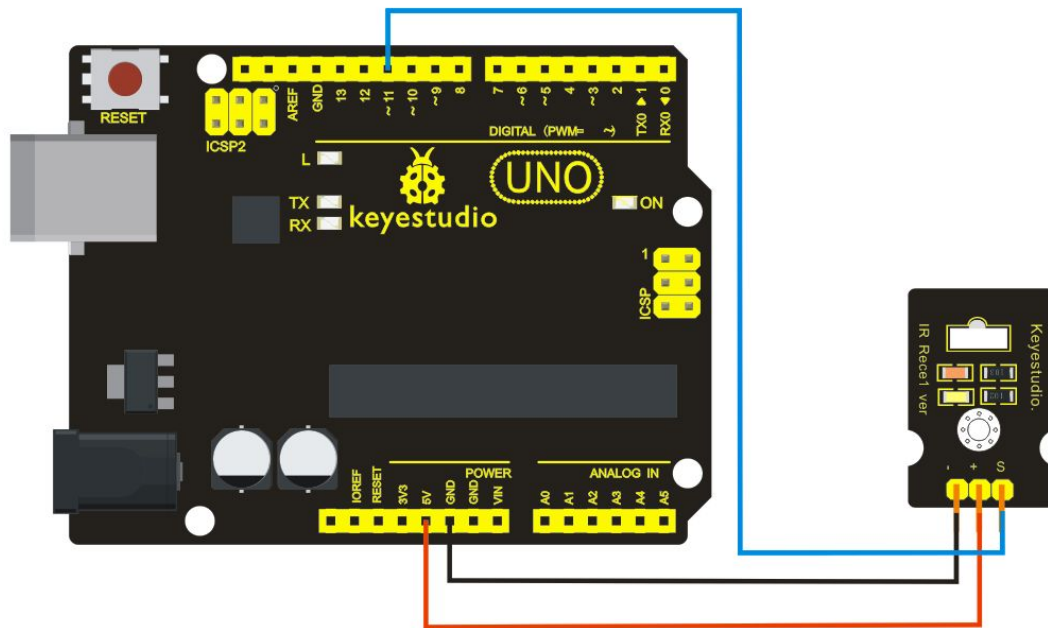## Wiring Diagram

The following image shows a suggested connection method. You may use any Digital I/O pin that is not in use by another device.

NOTE: In the sample code below Digital pin 11 is in use, you may either change your wiring or change the sample code to match.
Connection diagram

keyestudio

Sample Code:
```
#include <IRremote.h>
 int RECV_PIN = 11;
 IRrecv irrecv(RECV_PIN);
 decode_results results;
 void setup()
{
 Serial.begin(9600);
 irrecv.enableIRIn(); // Start the receiver
}
 void loop() {
 if (irrecv.decode(&results)) {
   Serial.println(results.value, HEX);
   irrecv.resume(); // Receive the next value
 }
}
```

IR Remote Library Includes some sample codes for sending and receiving.
https://github.com/shirriff/Arduino-IRremote