Avoid Experiment

Overview

This lesson will teach you how to use Avoid module, which is simple and easy to use.
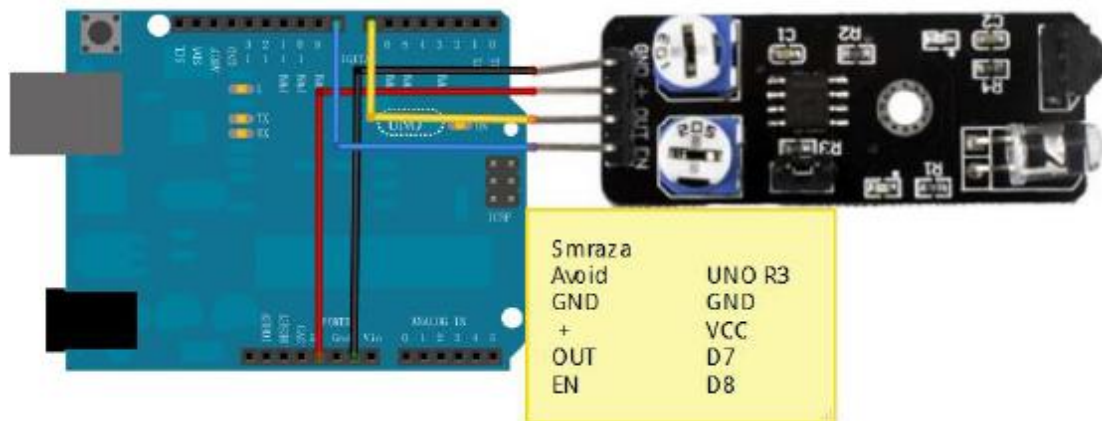
Pin definition

UNO R3	Avoid
GND	GND
5V	+
D7	OUT
D8	EN

Hardware required

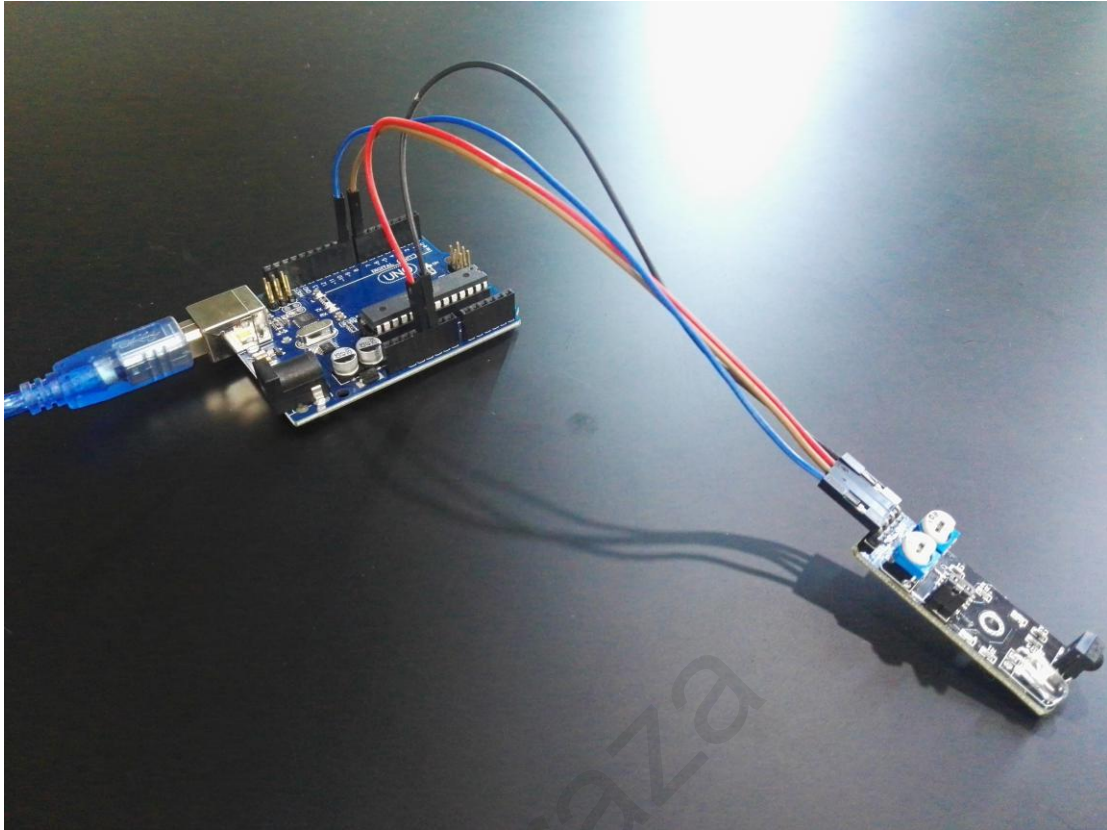| Material diagram	Material name	Number
	Avoid moudle	1
	UNO R3	1
	USB Cable	1
	Male to Female Jumper wires	several

Connection diagram

Sample code

Note: sample code under the **Sample code** folder

```
const int OUT = 7;
const int EN = 8;
int Data=0;
void setup()
{
    pinMode(EN,OUTPUT);
    pinMode(OUT,INPUT);
    digitalWrite(EN,HIGH); //High level start, low level off.
    Serial.begin(9600);
}
void loop()
{
    Data=digitalRead(OUT);
    Serial.println(Data);
}
```

Example picture

Language reference

Tips : Click on the following name to jump to the web page.
If you fail to open, use the Adobe reader to open this document.
pinMode()
digitalWrite()
digitalRead()
Serial

Application effect

Open the serial port monitor, and using paper slowly close to the sensor, you will see some different values by return.

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