Smallsound Experiment

Overview

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

Pin definition

UNO R3	Smallsound
A0	A0
GND	GND
5V	+
D8	D0

Hardware required

Material diagram	Material name	Number
	Smallsound	1
	UNO R3	1
	USB Cable	1
	Male to Female Jumper wires	several

Connection diagram


```
Smraza
Small sound    UNO R3
A0             A0
GND            GND
+              VCC
D0             D8
```
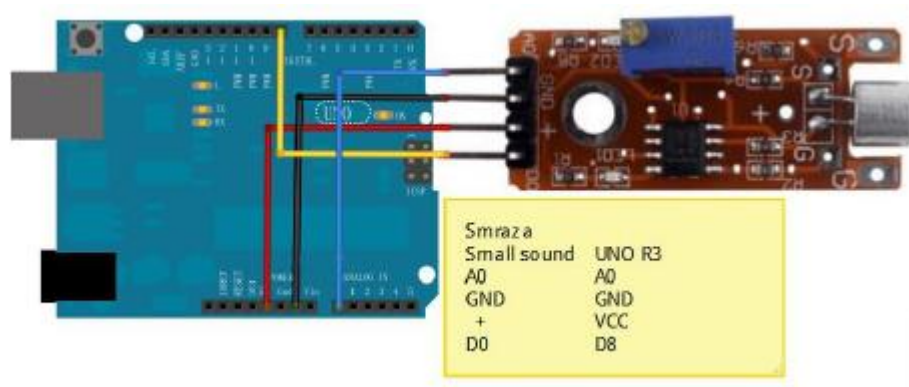
Sample code

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

```
int analog_sensor = A0; // select the input pin for the potentiometer
int digit_sensor = 8; // select the input pin for the potentiometer
int analogValue ; // value from the analog input pin
int digitValue ; // value from the digit input pin
void setup ()
{
    pinMode (digit_sensor, INPUT);
    Serial.begin (9600);
}
void loop ()
{
    analogValue = analogRead (analog_sensor);
    digitValue=digitalRead(digit_sensor);
    Serial.print("analogValue=");
    Serial.print(analogValue);
    Serial.print('\t');
    Serial.print("digitValue=");
    Serial.println (digitValue);
    delay(300);
}
```

Example picture
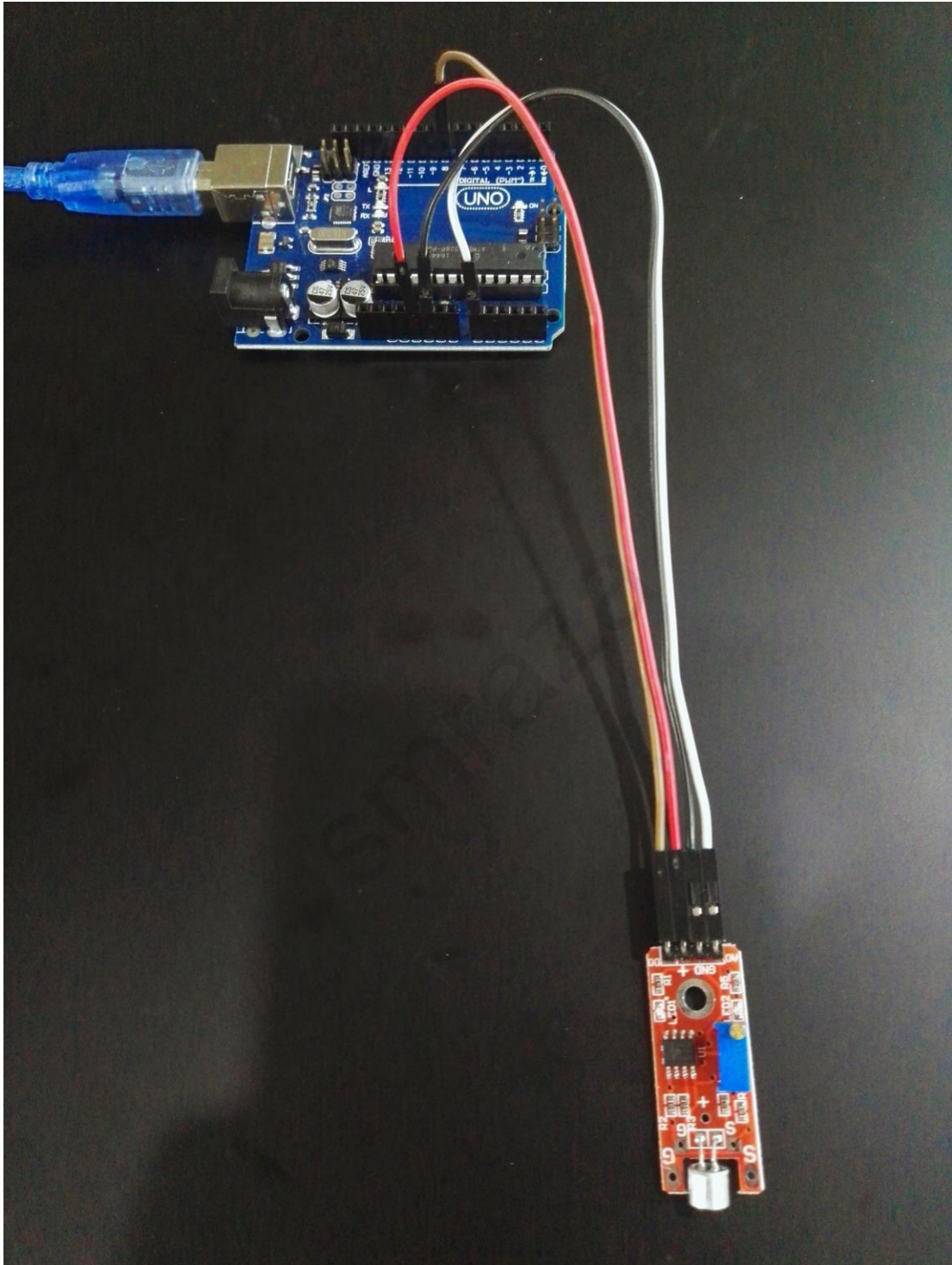
Language reference

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()
digitalRead()
analogRead()
Serial

Application effect

Open the serial port monitor, and talking to MIC, you will see some different values by return.

```
************************************************************************************
* About Smraza:
* We are a leading manufacturer of electronic components for Arduino and Raspberry
Pi.
* Official website: http://www.smraza.com/
* We have a professional engineering team dedicated to providing tutorials and
support to help you get started.
* If you have any technical questions, please feel free to contact our support staff via
email at support@smraza.com
* We truly hope you enjoy the product, for more great products please visit our
Amazon US store: http://www.amazon.com/shops/smraza
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Amazon FR store: http://www.amazon.fr/shops/AVEAJYX3AHG8Q
Amazon IT store: http://www.amazon.it/shops/AVEAJYX3AHG8Q
Amazon ES store: https://www.amazon.es/shops/AVEAJYX3AHG8Q
************************************************************************************
```