

Bigsound Experiment

Overview







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

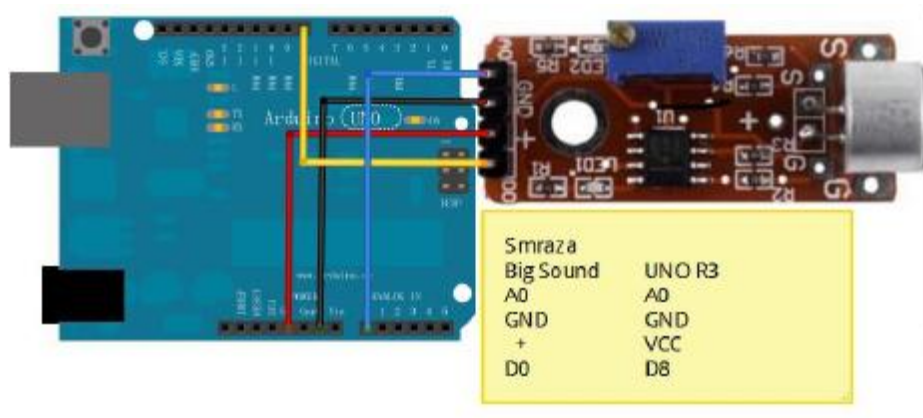
Pin definition

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

Hardware required

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

Connection diagram

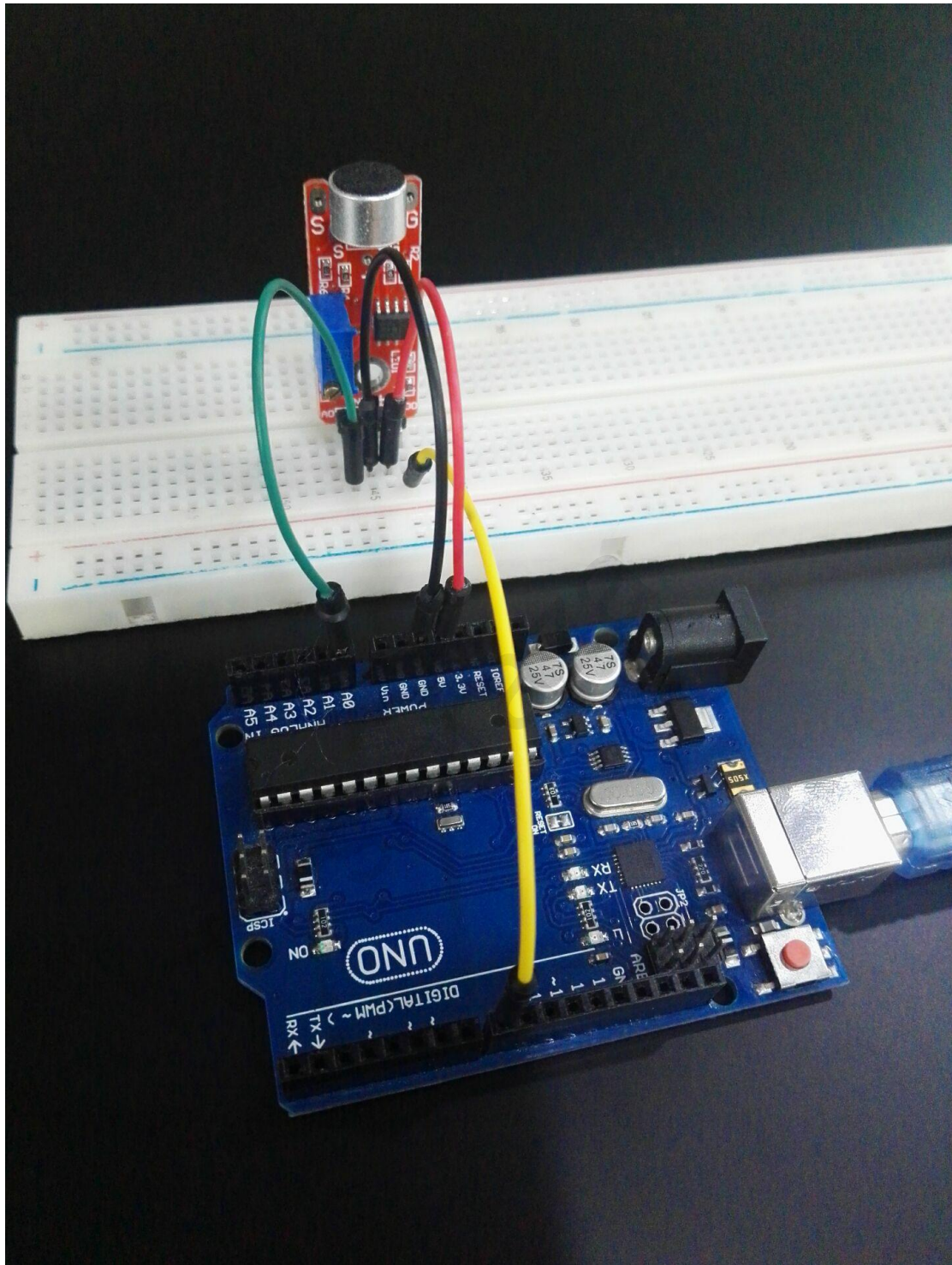


Sample code

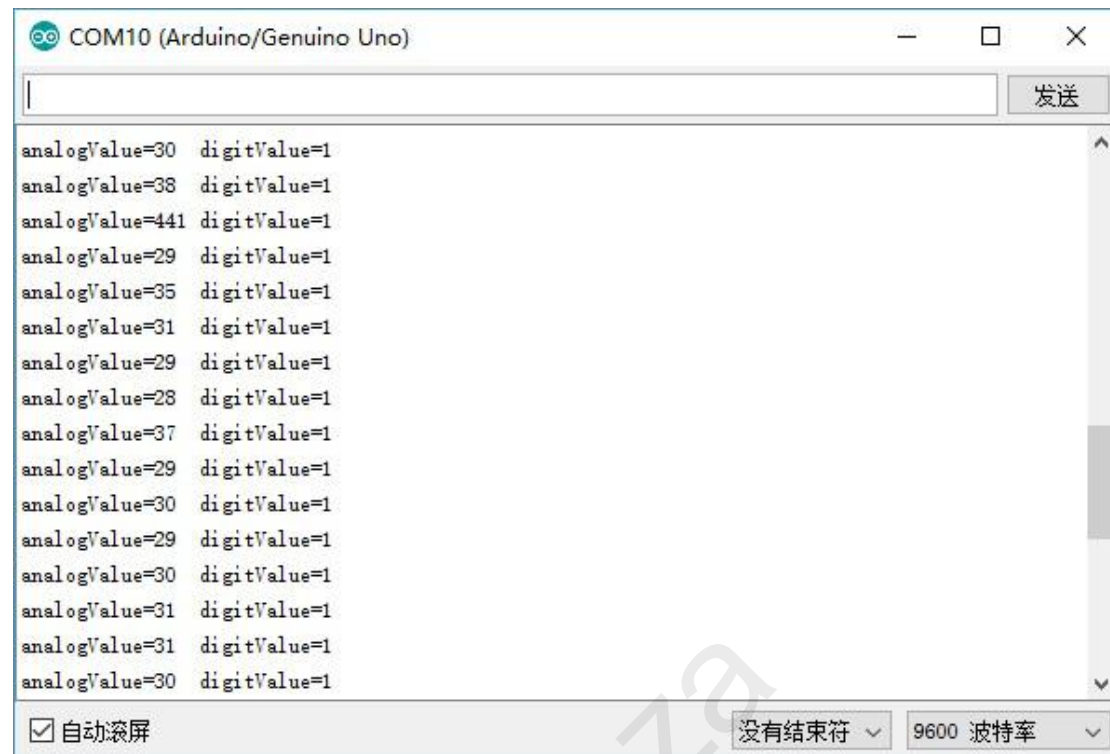
Note: sample code under the **Sample code** folder

```
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



Result



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.

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