

# Bigsound Experiment

## Overview







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

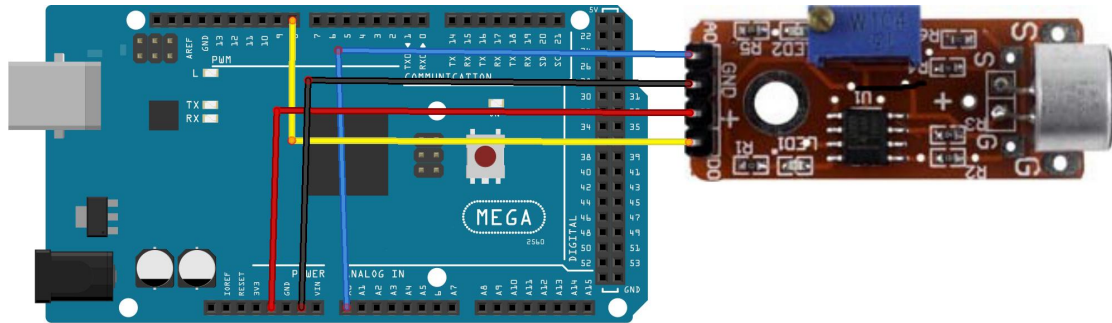
## Pin definition

Arduino	Bigsound
A0	A0
GND	GND
5V	+
D8	D0

## Hardware required

Material diagram	Material name	Number
	Bigsound	1
	MEGA 2560	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");

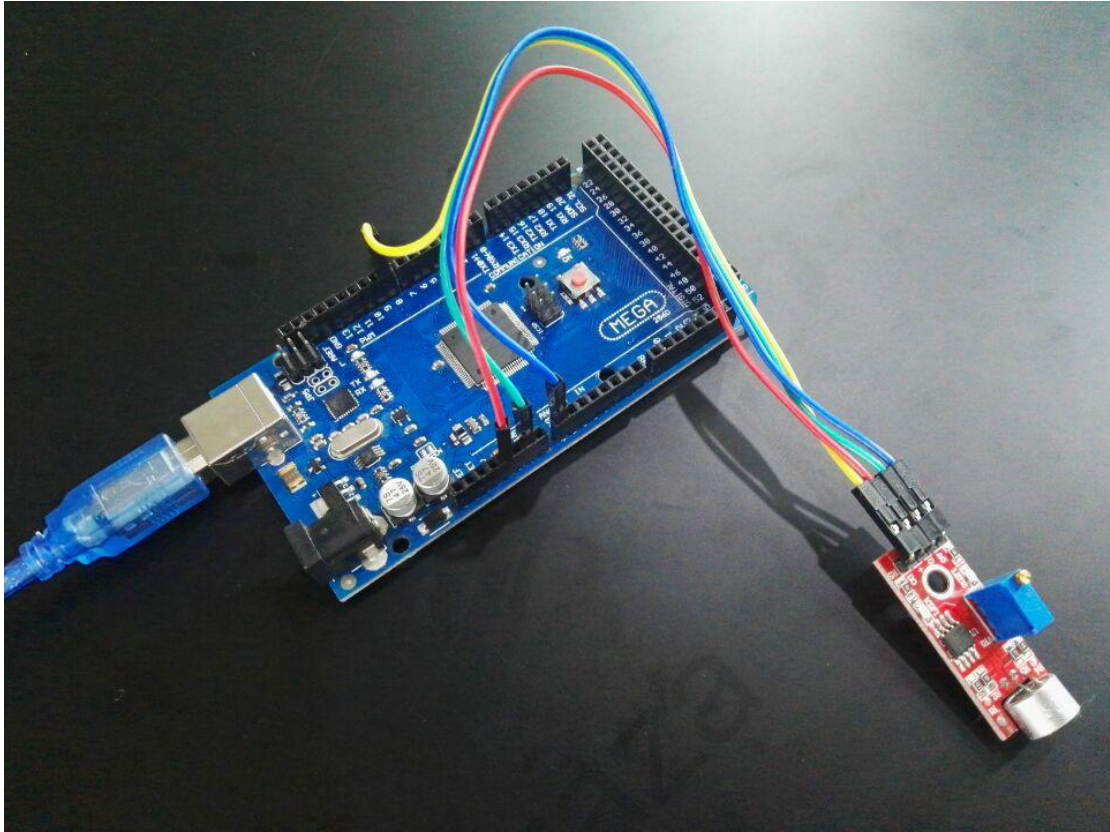
Serial.print("digitValue=");

Serial.println (digitValue);

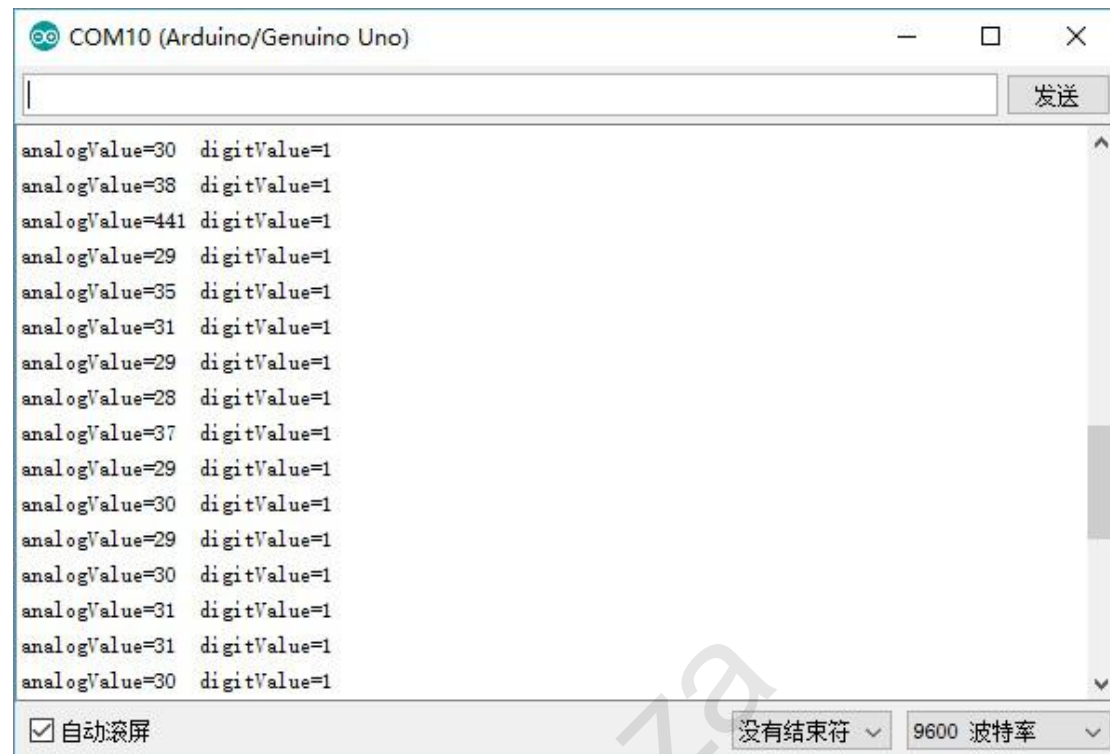
delay(300);

}

## 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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