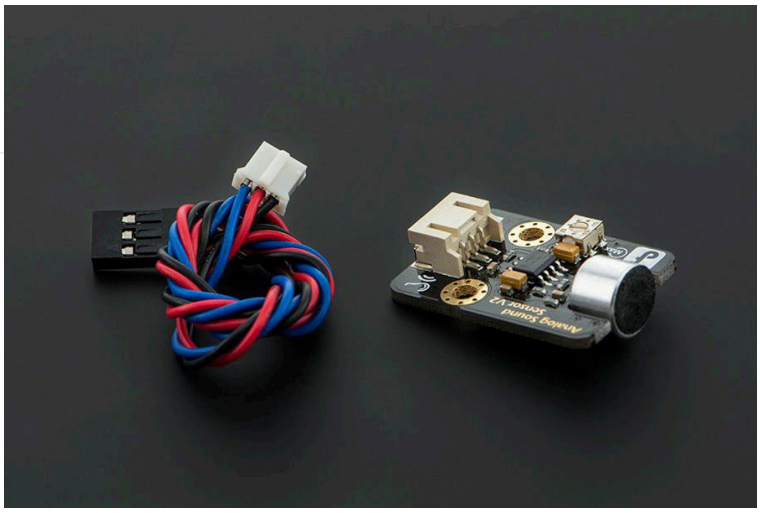
(https://www.dfrobot.com/product-83.html)



Introduction

This is our updated version of the Analog Sound Sensor. Analog Sound Sensors are typically used in detecting the ambient loudness in your enviroment. The Arduino can collect its output signal by imitating the input interface. You may use it to make some fun interactive projects such as a voice operated switch.

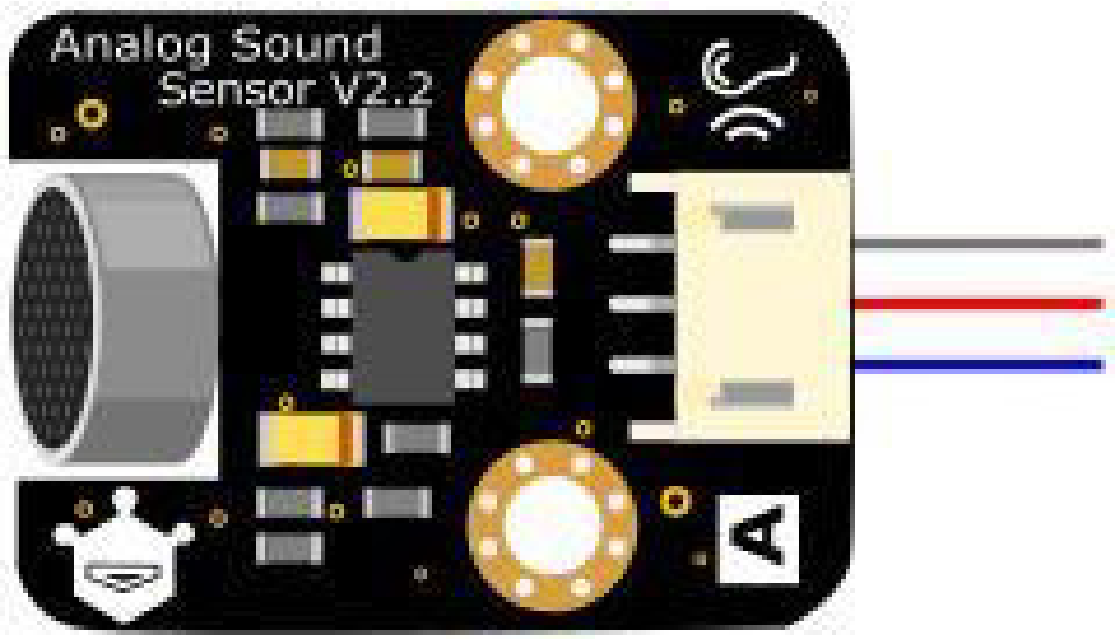
As one of our new version of breakout boards, we have improved the analog sound sensor in the following ways:

- Wide voltage range from 3.3V to 5V
- Standard assembly structures (two 3mm holes with multiple of 5cm as interval)
- Easily recognised interfaces ("A" for analog and "D" for digital)
- Icons to simplly illustrate sensor function
- High quality connector
- Immersion gold surface

Specification

- Supply Voltage: 3.3V to 5V
- Detects sound intensity
- Interface: Analog
- Size: 22x30mm

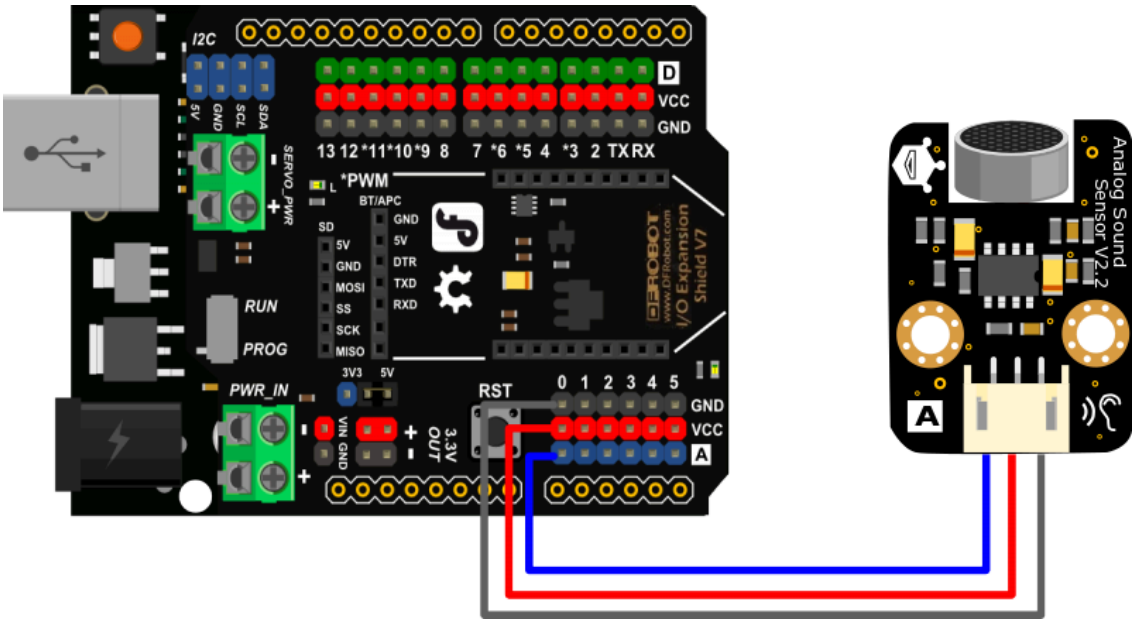
PinOut



Blue	Analog signal output
Red	VCC
Black	GND

Tutorial

Connection Diagram

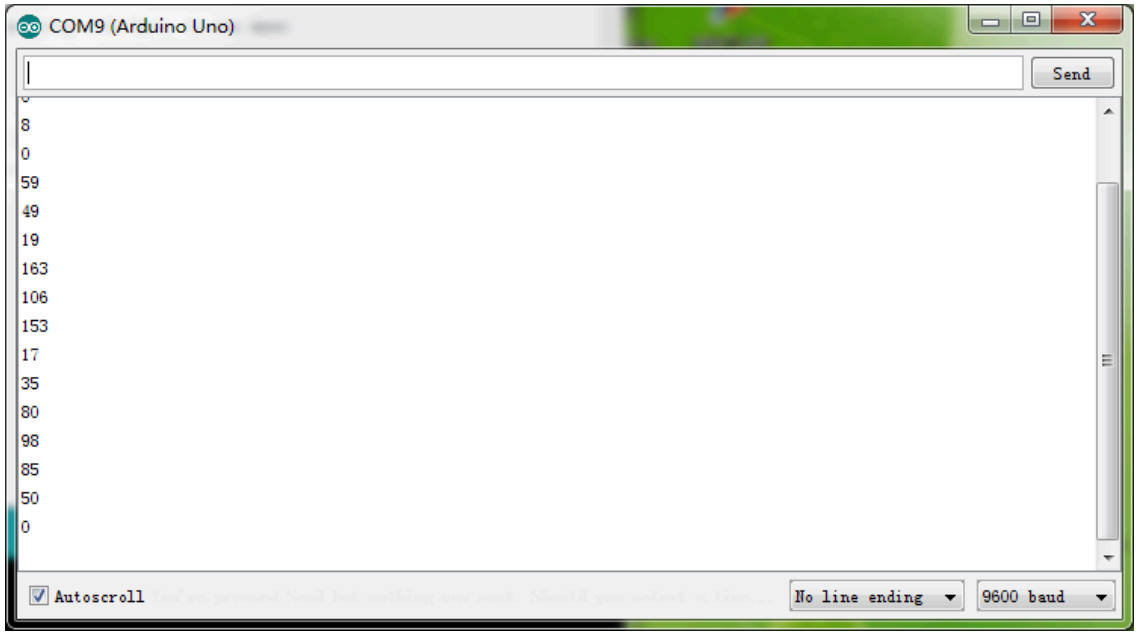


Sample Code

```
void setup()
{
  Serial.begin(9600); // open serial port, set the baud rate to 9600 bps
}
void loop()
{
      int val;
      val=analogRead(0);   //connect mic sensor to Analog 0
      Serial.println(val,DEC);//print the sound value to serial
      delay(100);
}
```

Result

Open the Serial monitor, Baud rate: 9600.



FAQ

More questions and cool idea, please visit DFRobot Forum (https://www.dfrobot.com/forum/)

More Documents

- Version History
- Analog Sound Sensor (SKU: DFR0034) (https://www.dfrobot.com/wiki/index.php?title=Analog_Sound_Sensor__SKU:_DFR0034_)