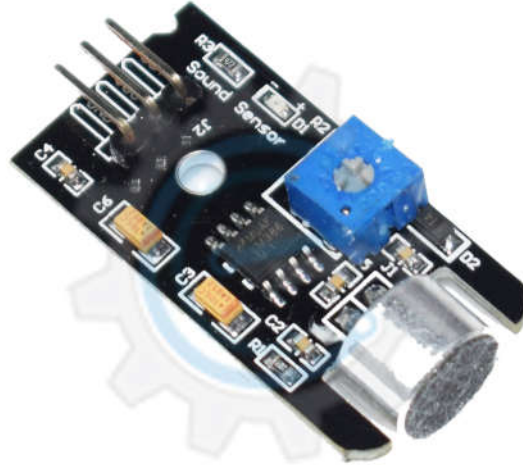


Microphone Analog Sound sensor



Microphone Analog Sound sensor is usually used in detecting the loudness in ambient, the output signal can read with gizDuino by imitating the input interface. Applications for this are very useful for some interactive projects like voice switch, loudness level indicator music.

Specifications:

Input Voltage: 5V DC

Output Signal: Analog

PCB Dimensions: 35mm x 19mm

Wiring Connections:

GizduinoV to Analog Sound sensor

A0 - OUT

+5V - VCC

GND - GND

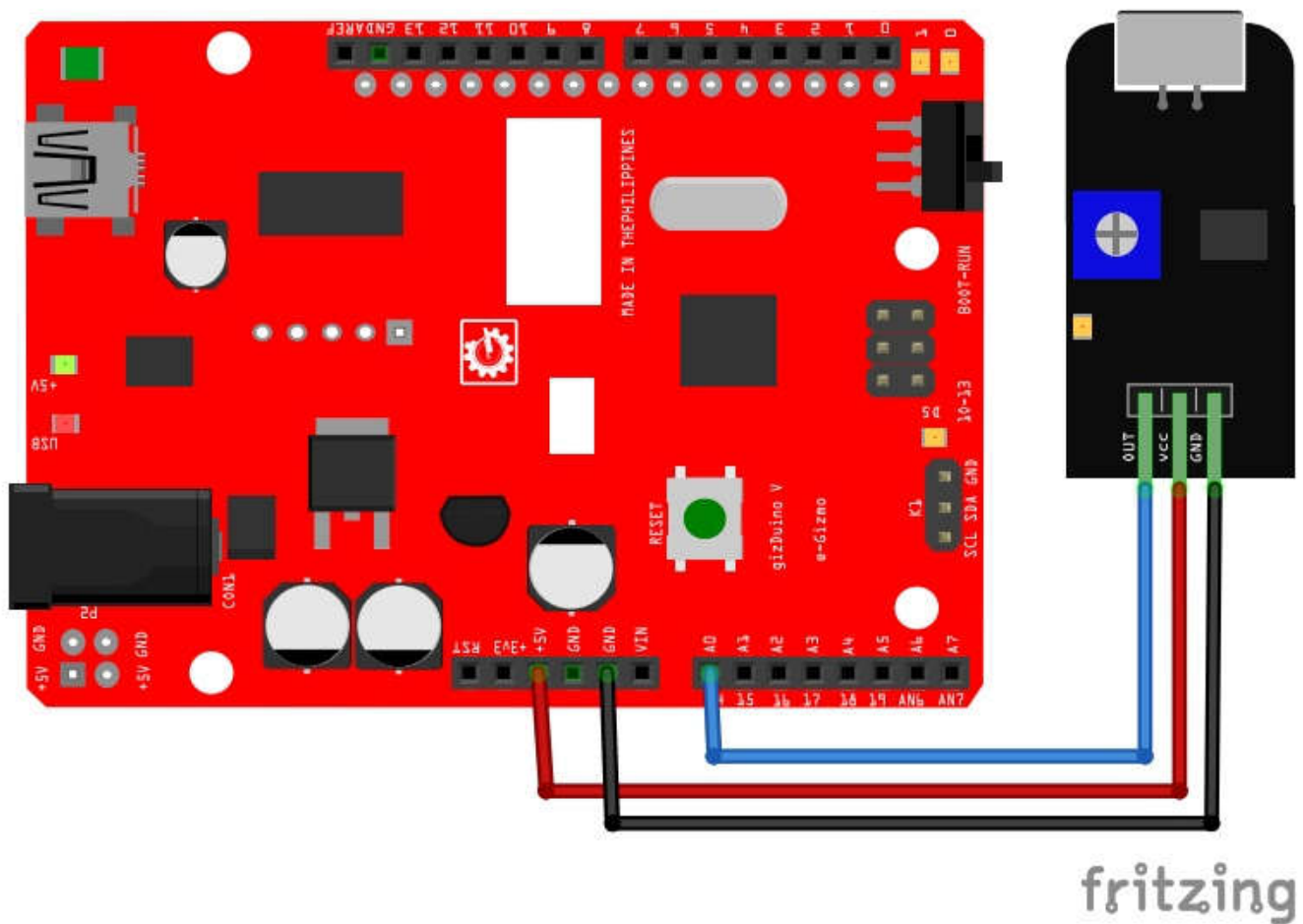


Figure 1. Sample Wiring Diagram with Gizduino V ATmega328P.

```

//*****//
//      Microphone Analog      //
//      Analog Sensor          //
//                              //
//  This is a sample sketch for reading //
//  the analog output signal and print the //
//  data in Serial Monitor.          //
//                              //
//      Codes by:                //
//      e-Gizmo Mechatronics Central //
//      http://www.e-gizmo.net      //
//      Novemver 5, 2017           //
//*****//

int microphonePin = A0; // select the input pin for the Microphone
int sensorValue = 0; // variable to store the value coming from the sensor

void setup() {
  //Initialize the Serial output
  Serial.begin(9600);

  //Declare MicrophonePin as an Input
  pinMode(microphonePin, INPUT);
}

void loop() {
  // read the value from the sensor:
  sensorValue = analogRead(microphonePin);

  //Print out display to the serial monitor
  Serial.println(sensorValue);

  delay(100); //Delay for stability
}

```

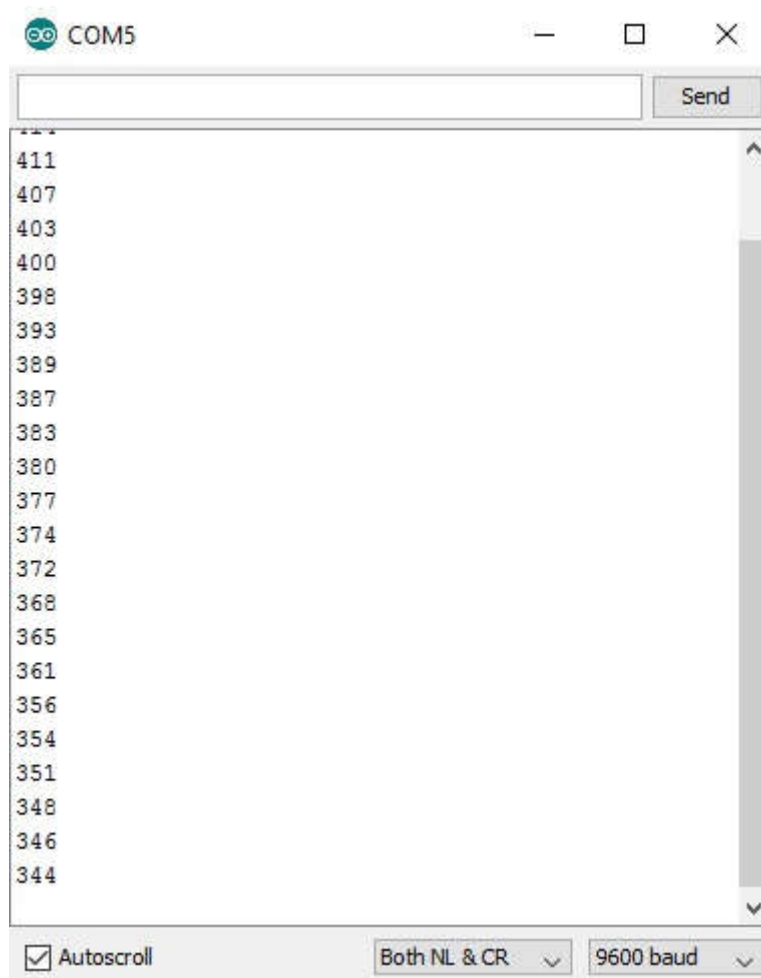


Figure 2. On the Serial monitor you can see the output of the Microphone Analog sound sensor.