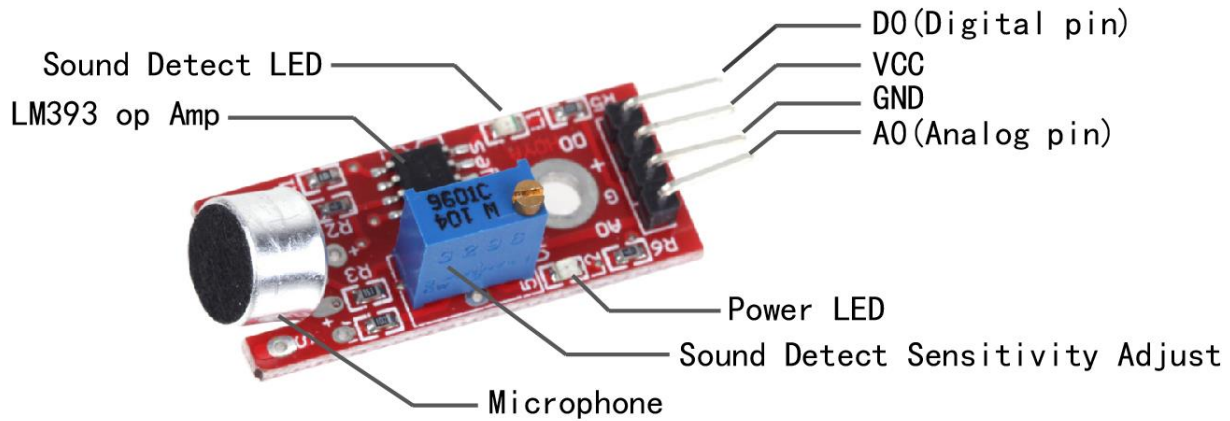# Sensitive Microphone Sensor Module
with Analog and Digital/Comparator Outputs

Can be used with Arduino Uno/Due/Mega/Leonardo and with other microcontrollers and embedded boards.

PINOUTS

1. AO : analog output, real-time output voltage signal of the microphone
2. G : Power Ground
3. + : Positive VCC (3V-5.5V Nominal : 3.0V – 5.0V)
4. DO : Output High Logic when the sound intensity reaches a threshold set by potentiometer

Parameter	Value
+	5 V DC from your Arduino
G	GND from your Arduino
D0	Connect to Digital Input Pin
A0	Connect to Analog Input Pin
Power LED	Illuminates when power is applied
Sound Detect LED	Illuminates when sound is detected
Potentiometer	CW = More Sensitive CCW = Less Sensitive

It has **four pins** that needs to be connected to your Arduino. The top one(if you look at the image above), is **AO**. This should be connected to the analog input 0 on the Arduino(A0). The one beside that is **GND**, which is connected to ground, the **VCC** is connected to +5V, and the last one is **DO** – which is the digital output of the module, and should be connected to digital pin 2 on the Arduino. On the top of the sound sensor is a little flathead screw you can turn to adjust the sensitivity and analog output of the sound sensor. To calibrate the sound sensor you can make some noise and keep turning it until you start seeing the sensor-LED on the module starts blinking with the rhythm.