

Passive Piezoelectric Buzzer Module

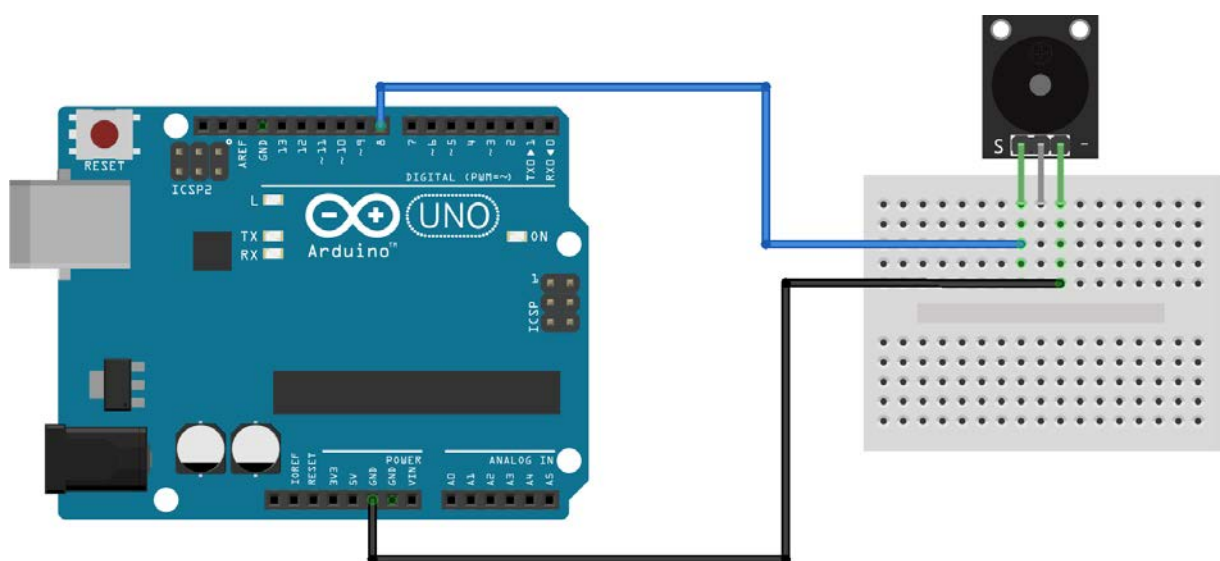
The Passive Buzzer Module consists of a passive piezoelectric buzzer. It can generate tones between 1.5 to 2.5 kHz by switching it on and off at different frequencies either using delays or PWM.



Operating Voltage	1.5 - 15V
Frequency range	1.5 – 2.5kHz
Dimensions	18.5mm x 15mm [0.728in x 0.591in]

Pinout and Connection to Arduino

Connect signal (S) to pin 8 on the Arduino and ground (-) to GND. The middle pin is not used.



Arduino Example Sketch

The following Arduino sketch will generate two different tones by turning on and off the KY-006 buzzer at different frequencies using a delay.

```
int buzzer = 8; // set the buzzer control digital IO pin

void setup() {
    pinMode(buzzer, OUTPUT); // set pin 8 as output
}

void loop() {
    for (int i = 0; i < 80; i++) { // make a sound
        digitalWrite(buzzer, HIGH); // send high signal to buzzer
        delay(1); // delay 1ms
        digitalWrite(buzzer, LOW); // send low signal to buzzer
        delay(1);
    }
    delay(50);
    for (int j = 0; j < 100; j++) { //make another sound
        digitalWrite(buzzer, HIGH);
        delay(2); // delay 2ms
        digitalWrite(buzzer, LOW);
        delay(2);
    }
    delay(100);
}
```