Active Buzzer Module

Active Buzzer Arduino module produces a single-tone sound when signal is high. To produce different tones use the Passive Buzzer module.

The Active Buzzer module consists of a piezoelectric buzzer with a built-in oscillator. It generates a sound of approximately 2.5 kHz when signal is high.



Operating Voltage	3.5V ~ 5.5V
Maximum Current	30mA / 5VDC
Resonance Frequency	2500Hz ± 300Hz
Minimum Sound Output	85dB @ 10cm
Working Temperature	-20°C ~ 70°C [-4°F ~ 158°F]
Storage Temperature	-30°C ~ 105°C [-22°F ~ 221°F]
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. Be aware that some boards are wrongly labeled, try inverting the cables if you can't hear any sound when running the sketch.



Arduino Example Sketch

The following Arduino Sketch will continually turn the buzzer on and off, generating a series of short high-pitched beeps.

```
int buzzerPin = 8;
void setup ()
{
    pinMode (buzzerPin, OUTPUT);
}
void loop ()
{
    digitalWrite (buzzerPin, HIGH);
    delay (500);
    digitalWrite (buzzerPin, LOW);
    delay (500);
}
```