How to Add Audio Output to Raspberry Pi Zero

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Raspberry Pi Zero has HDMI, Bluetooth and USB for potential Audio Outputs but it is missing PWM audio output compared to full-sized Raspberry Pi.
If your project requires PWM audio output on Raspberry Pi Zero, you can custom add it by connecting bits of electronic components together.

Required Components

Resistor 150R
Find This on eBay >>

Resistor 270R
Find This on eBay >>

Capacitor 10uF
Find This on eBay >>

Capacitor 33nF
Find This on eBay >>

3.5mm Stereo/Mono Socket
Find This on eBay >>

Connection

Mono Configuration

Stereo Configuration

Modify Raspberry Pi Configuration

```
sudo nano /boot/config.txt
```

Add below at the bottom.

```
dtoverlay=pwm-2chan,pin=18,func=2,pin2=13,func2=4
```

You can test the audio output using an audio file with your favourite player.

```
paplay your_sound_file.wav
```

Other Tutorials

- How to Start Raspberry Pi
- How to Access Raspberry Pi from PC
- How to Backup & Restore Raspberry Pi
- How to Use Camera with Raspberry Pi
- How to Install OpenCV to Raspberry Pi
- How to Use SQLite on Raspberry Pi
- How to Use LCD Screen with Raspberry Pi
- How to Use Bluetooth Speaker with Raspberry Pi
- How to Make Raspberry Pi Speak
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AUTHOR'S CHOICES

Raspberry Pi Zero W

AliExpress.com Product - Original Raspberry Pi Zero W Board 1GHz CPU 512MB RAM with Built-in Wi-Fi & Bluetooth RPi 0 W

EC Buying

AS3935

AliExpress.com Product - AS3935 Sensor Digital Lightning Sensor Module Strikes Thunder Rainstorm Storm Distance Detection SPI I2C IIC Interface

PERTH INTERNET OF THINGS

Perth Internet of Things
Named after its birthplace city in Western Australia, Perth IoT is a purpose-driven organisation founded by Tom Zorde, 2018 ACS national digital disruptor award winner.

TAGS

DIY PORTABLE FACE RECOGNISER | GTFO | HOW TO USE RASPBERRY PI? | LOCAL HAZARD WARNING SYSTEM | MECANUM WHEEL | OPENCV | PYTHON | RASPBERRY PI ZERO | SELF BALANCING ROBOT | SLEEPER | SQLITE

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