

# pigetArduino/wavPlayer

 [github.com/pigetArduino/wavPlayer](https://github.com/pigetArduino/wavPlayer)

pigetArduino

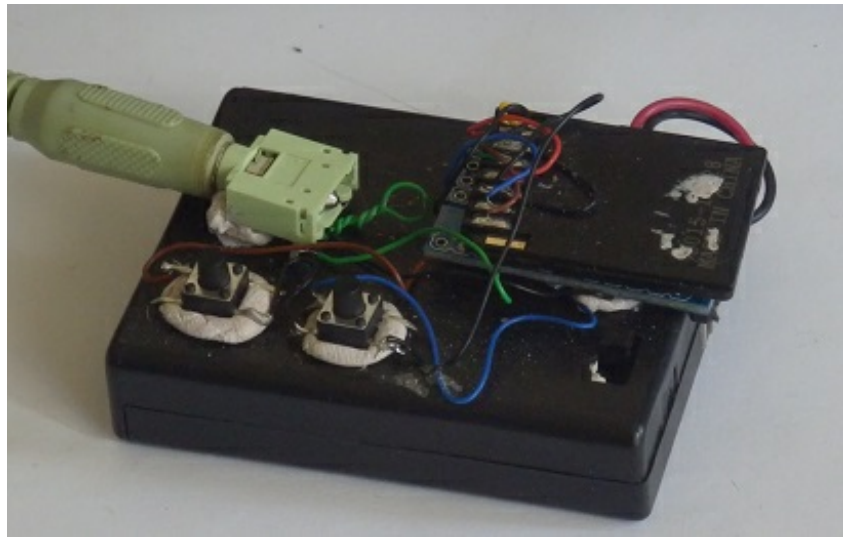
## wavPlayer

[Version française / French version](#)

Primitive wav file player

Only read : Wav Unsigned 8-bit PCM file

Track will stopped if saturation



## Project link

<http://gps.madnerd.org>

## Instructions

If you want to make a real mp3 player , use a DFPlayer Mini instead  
This is just a proof of concept.

- Download [wavPlayer.madnerd.org](http://wavPlayer.madnerd.org)
- Copy wavPlayer inside Arduino SketchBook (Documents/Arduino)
- In tools , select : Arduino Pro Mini / 3V 8Mhz
- Upload code with FTDI cable

## Components:

- Micro sd card 2go : 4€
- Batteries holder 4AAA on/off : 1€
- Arduino mini pro 3.3V : 1,50€

- Audio jack dip : 2€
- Total : 8.50€

## Tools:

- ftdi 3V/5V programmer

## Software needed:

- Arduino (Programming): <http://arduino.madnerd.org>

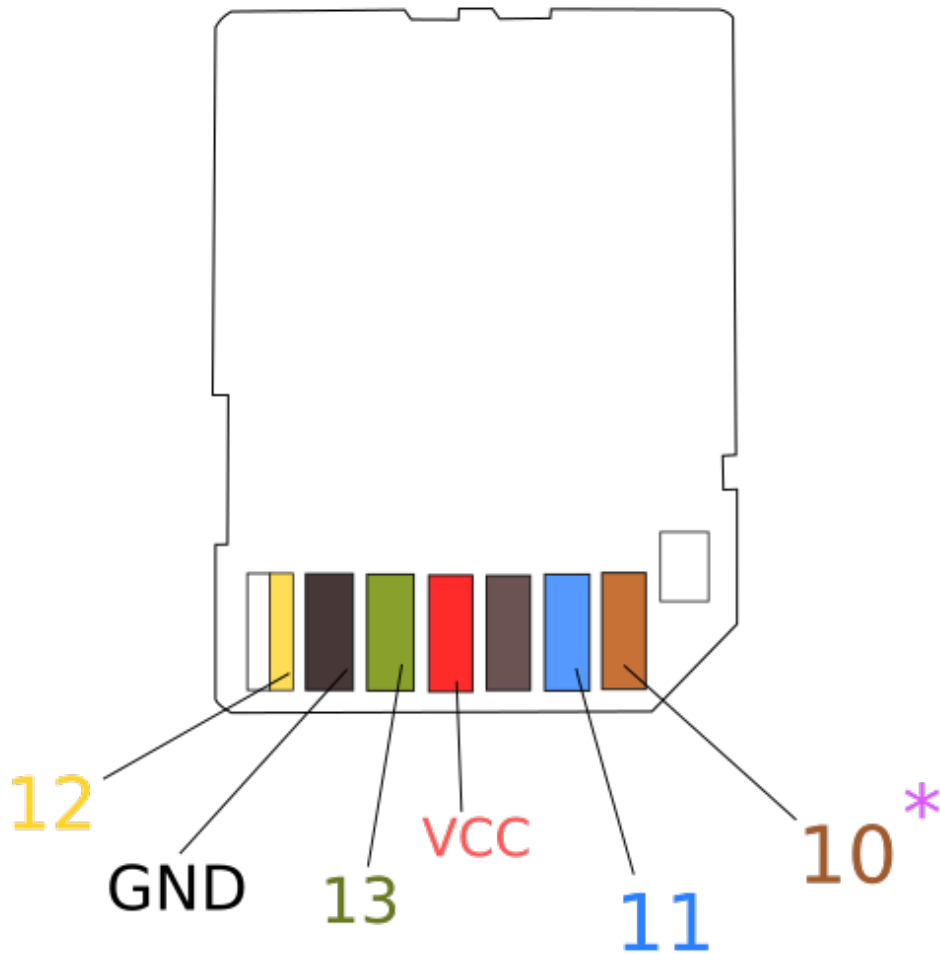
Estimate cost : 8.50€ (batteries not included)

## Create wav file

- Open MP3 with Audacity
- File/Export Audio
- Save as type: Other uncompressed files
- Header: Wav (Microsoft)
- Encoding : Unsigned 8\_bit PCM
- Save to 0.wav

## Wiring:

# SD card Adapter



## SD card

1 --> X  
2 --> 12  
3 --> GND  
4 --> 13  
5 --> VCC  
6 --> GND  
7 --> 11  
8 --> 10 (Chip select)

## Headphone / Speaker

Left/Right ---> 6

## Buttons

```
prev button -->  
7  
next button -->  
8
```