

pigetArduino/wavPlayer

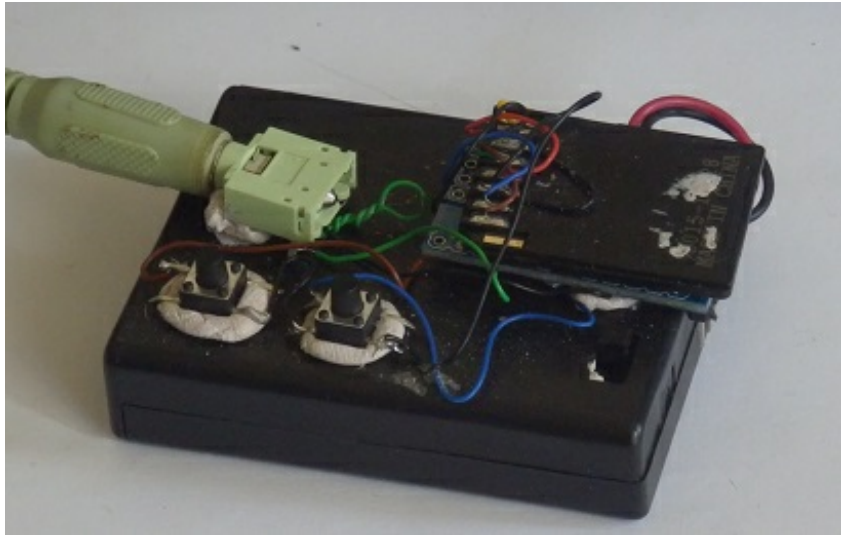
 github.com/pigetArduino/wavPlayer

[Version française / French version](#)

Primitive wav file player

Only read : Wav Unsigned 8-bit PCM file

Track will stopped if saturation



Project link

<http://wavplayer.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 (Programmation): <http://arduino.madnerd.org>

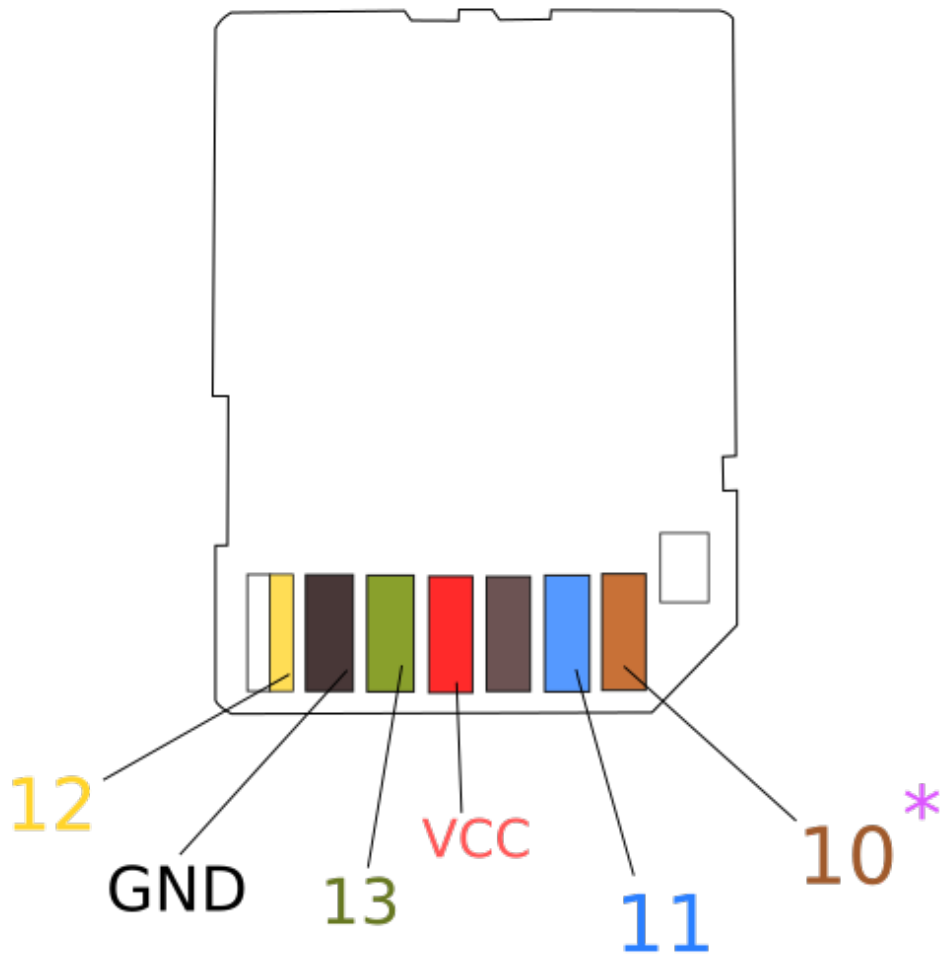
Estimate cost : 8.50€ (batteries not included)

Create wav file

- Open MP3 with Audacity
- Below -> Project Rate (Hz) : 8000
- Tracks -> Stereo Track to Mono
- Tracks -> Resample : 8000hz
- File/Export Audio
- Save as type: Other uncompressed files
- Header: Wav (Microsoft)
- Encoding : Unsigned 8_bit PCM
- Save to 0.wav on root of sdcard

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
```