

pigetArduino/gpsLogger

 github.com/pigetArduino/gpsLogger

pigetArduino

GPS Logger

Log speed/altitude/gps coordinate in a universal .csv file on an SD card every 15 seconds (DAYHOURMINUTESSECOND.csv)

[Example file](#)

Compatibility

- Libre office calc / Excel
- Gpsies.com (you can convert it in gpx)
- Viking : <https://sourceforge.net/projects/viking/>

Buzzer sound

- Heavy sound : GPS/SD card fatal error
- Soft repetitive sound : GPS is calibrating (can take up to 5 minutes)
- Melody : GPS is online
- Soft and short sound : GPS coordinates saved to sd

Components:

- Ublox GPS module (or compatible with tinygps++)
- Micro SD to SD card Adapter
- 2Go (or less) Micro SD card
- A buzzer
- An Arduino Pro Mini 3V
- Batteries

Estimate cost : 15.50€

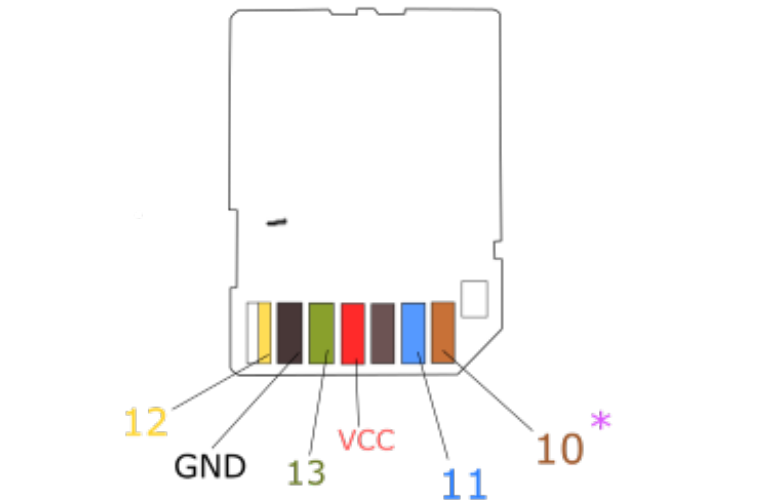
More details on [bill_of_materials.md](#)

Tools:

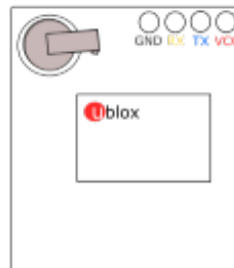
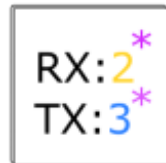
- ftdi 3V/5V programmer

Wiring:

SD card Adapter



GPS



DO NOT PLUG TX/RX INTO TX/RX

GPSLogger

* changeable

SD card

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

GPS

```
RX -->
2
TX -->
3
```

Buzzer

+ --->
9

Libraries

TinyGPS++ library

3D models

[See 3D models](#)

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