

# How to build a Pirate Radio?

## Introduction



Please note, some frequencies are reserved for specific services **only**. Do not overmodulate these services with the help of the Pirate Radio. Consider [4].

## Parts / Tools List

### Parts

Item	Quantity
Raspberry Pi (Model A <b>or</b> B)	1
Micro USB cable or adapter (5V 1200 mA)	1
(Micro) SD Card (8GB recommended)	1
Female Jumper Wire Connector (2.54mm)	1
Heat Shrink Wire Cable	1

### Tools

Item	Quantity
Soldering Iron Station	1
AWG 12 Cooper Wire	1

## Flash the SD card

Flashing the card with your favourite operating system is crucial for the radio to work, as you've probably imagined already. We recommend to install [Arch Linux](#) though. Why? Because, it's (1) light weighted, (2) well structured, (3) it has a very resourceful [wiki](#) and (4) is simply awesome.

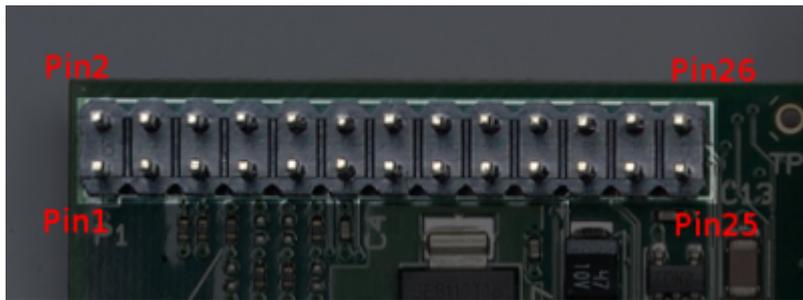
Find the image file and installation instructions [here](#).

## PiFM

Log on to your system and download the relating software you need to transmit your messages!

```
<sxh bash> [user@hostname ~]$ wget -no-check-certificate  
https://download.c3l.lu/dlbase/scripts/Pifm.tar.gz </sxh>
```

## Increase the range



## Tuning in!

## References

- [0] <http://www.raspberrypi.org/>
- [1] <http://makezine.com/projects/make-38-cameras-and-av/raspberry-pirate-radio/>
- [2] <http://myhowtosandprojects.blogspot.com/2014/04/raspberry-pi-make-your-own-pirate-radio.html>
- [3]
- [4] Frequency distribution and attribution plan of Luxembourg provided by Institut Luxembourgeois de Régulation (ILR)

From:

<https://wiki.c3l.lu/> - **Chaos Computer Club Lëtzebuerg**

Permanent link:

<https://wiki.c3l.lu/doku.php?id=projects:howtos:pirateradio&rev=1403957494>

Last update: **2015/07/15 21:54**

