



## + Rad I/O

A plea for the anonymous radio listener in the aether with  
functional graphics on Circuit Boards  
by Lale Rodgarkia-Dara and all participants  
a collective-Art-Production  
DIY Discussion and  
Soldering included.

## Workshop ... Discussion ... Essay

### + Rad I/O

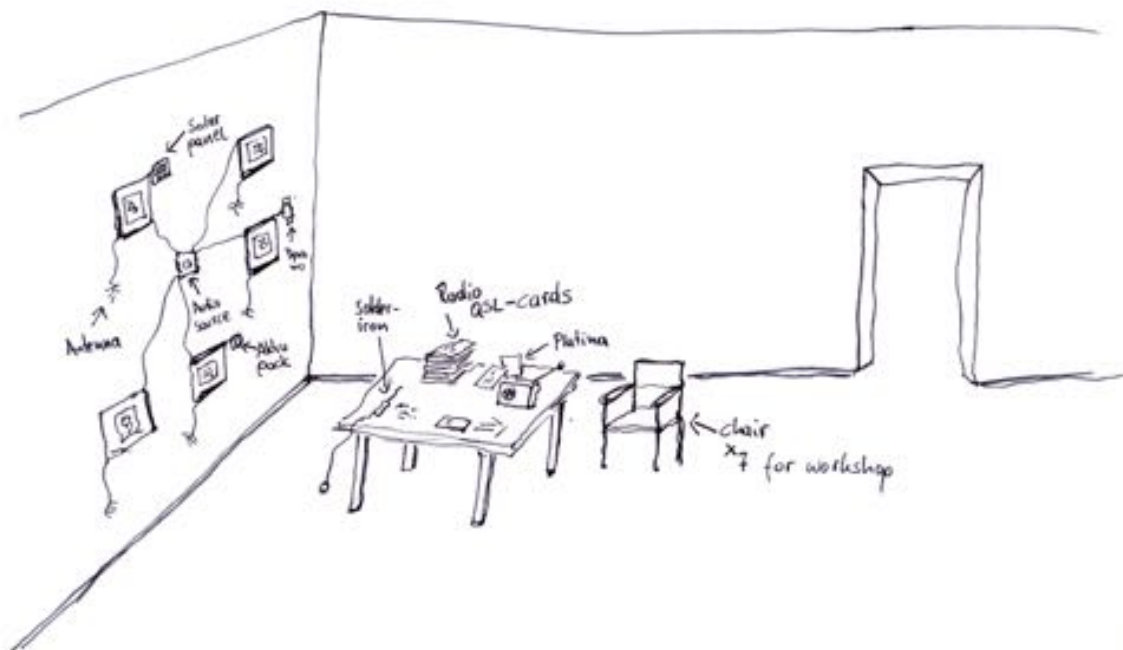
by Lale Rodgarkia-Dara

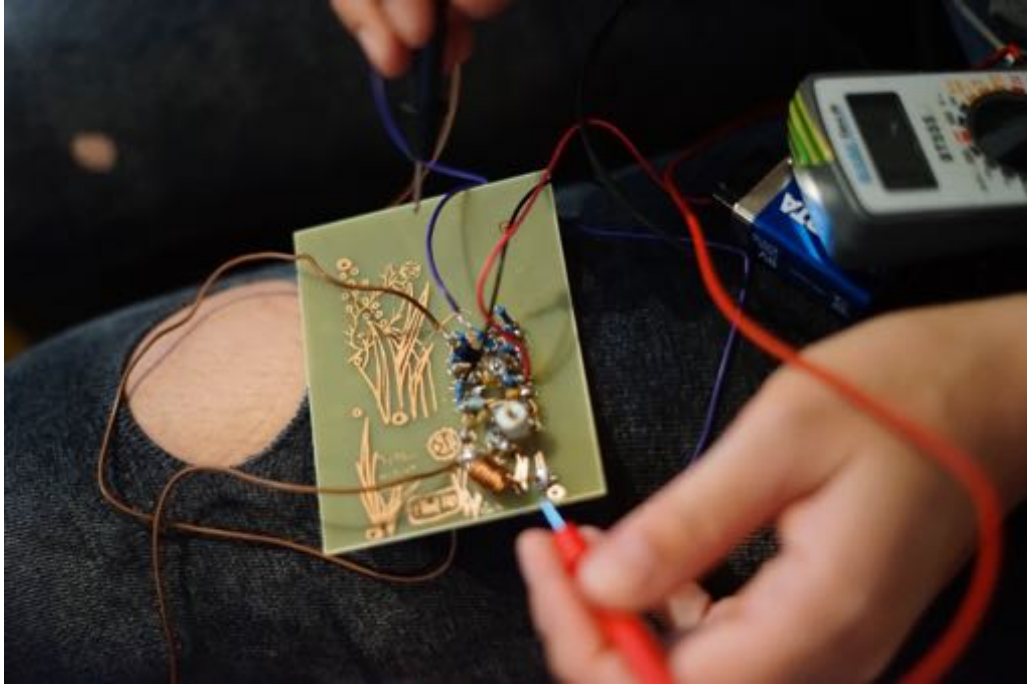
The digitization of the aether brings an unexpected taste. Lastly, it may allow the loss of anonymous radio listening. One of the last bastions of the anonymous, low-cost, low-tech media consumption. The digital aether is – in its interchangeability – only a channel for data transfer.

More than ever the aether (not only the FM-spectrum) is of interest to in the media-political and commercial sphere. Feudally acting monopolistic big-players (Spotify, Google, Facebook etc.) as well as the networked intelligent navigation of the automotive industry on one side and the exploration of the aether as a public space on the other side with only very limited accessibility and high regulation. Fully commercialized on mobile radio frequencies, radio spectrum is mainly responsible for national monopolies (military / police / security) as well as traffic and orientation on the one hand and radio frequencies and private use on others.

In the digital aether, however, the original idea of listening to radio is subject to a strange inversion. Data-Streams via FM frequency will be subject to hybrid-media verification. Through Torrent, Encrypting and Cloud Streaming the transmission of content might get anonymised however on the long run, the listener loses the anonymised reception of radio.

+ **Rad I/O** a **workshop** were we built small FM-Transmitters on pre-produced platinas (with functional illustrations), **Radio-QSL-Cards**, and the **exhibition** which will be set up together after the workshop.





### **WORKSHOP ... Discussion**

Before the workshop we start with an empty wall, a Radio, Radio-QSL-Cards, a few pencils and a few chairs.

In the workshop, we will build micro-FM transmitters, assemble them on bike-dynamos, little windmills or solar-panels, and talk about the benefit of anonymous media reception with coffee and cake and of course our listening to the favourite radio station.

The basis for the construction are functional printed-circuit-board-illustrations. The platinas are photosensitive and have been exposed with illustrations.

We will set them up together in the exhibition place and install them. We record some audio-material (we discussed), statements, noise, or little essays.

The Workshop will last 2 x 4 hours (in total 8 hours). Up to seven people can join at once.

The little fm-transmitters will broadcast on different FM-frequencies. After the workshop one can tune into the FM-frequencies via the radio placed on the table. The drawings aka. FM-transmitters hang on the wall and are representing and functional at the same time.

### **Essay ... Audio-Material**

Out of the discussion and hence a little community based research I offer to give the possibility of writing an essay together with collective authorship. This will be the Audio-Source for the Transmitters.

### **QSL cards... Writing Unit**

In advance I prepare QSL cards for the specific location. A QSL card is a written confirmation of the reception of a signal from a broadcasted signal (shortwave, AM, FM etc). They came up in the early days of radio where people would send written confirmations of their reception in order to verify a successful transmission.

### **Necessary access to facilities and equipment at the RMIT**

- \* Workshop to expose/etch or Print Circuit Boards
- \* Basic Electronic Tools and Material
- \* Duration: 1 Day

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