

NoisyJacket workshop

by Corazón de Robota

Come and give sound and light to your jackets embroidering your own synthesizer based on the programmable chip Attiny and tactile DIY sensors.

During this workshop you will learn how to built your own circuits with electrically conductive thread and to get an approach to digital electronics through the design of mini wearable synthesizer.

No prior knowledge is required.

Duration: 4-5 horas (one day) o 6 horas (two days)

Max. Number of participants: 10

Materials per person

- 1 IC ATtiny85
- 5 leds
- 1 lipo battery (3,7 volt 500 mah) or 2032 battery + 2032 battery holder
- 1 switch
- 1 desolder wick (1.5 mm to 2 mm width / 1.5 m length)
- 1 speaker (3mm diameter / 8 ohm / 5 watts)
- 10 studs
- 1 10k potetiometer
- 1 LDR
- 8 m conductive thread
- 1 47k resistor
- 1m of rainbow wire
- Vintage Electronic components as decoration
- Sewing thread

Tools

- Soldering irons
- Solder wire
- Scissors
- Needles
- Nose plier

Space requirements

- Tables and chairs
- Blackboard
- Video projector
- Good light

What participants should bring

- A Jacket to hack!

About Constanza Piña / Corazón de robota

Visual artist, dancer and researcher, focused on experimentation with electronic media, open-source technologies and practices DIWO. Her artistic proposals are presented in various formats integrating dance, sound performance and participatory works.

Her work reflects on the role of machines in our culture and the human-technological units, questioning the idea of education, capitalism and patriarchy techno-centrist in relation to open knowledge, autonomy and enhancement of technical manual work.

Interested in recycling, hardware hacking, soft-circuits, handicrafts and electronic wizardry, generates her sound project

Corazón de Robota (Robot Heart) with synthesizers DIY, where she explores the field of audible and inaudible frequencies as physical perceptions, vibrations as cosmic messages, noise and arrhythmia.

Constanza works under the philosophy of free culture and electronic anarchy, her research on synthesizers handmade and electrotextiles can be seen documented on her web www.corazonderobota.wordpress.com



