



LEDtrix

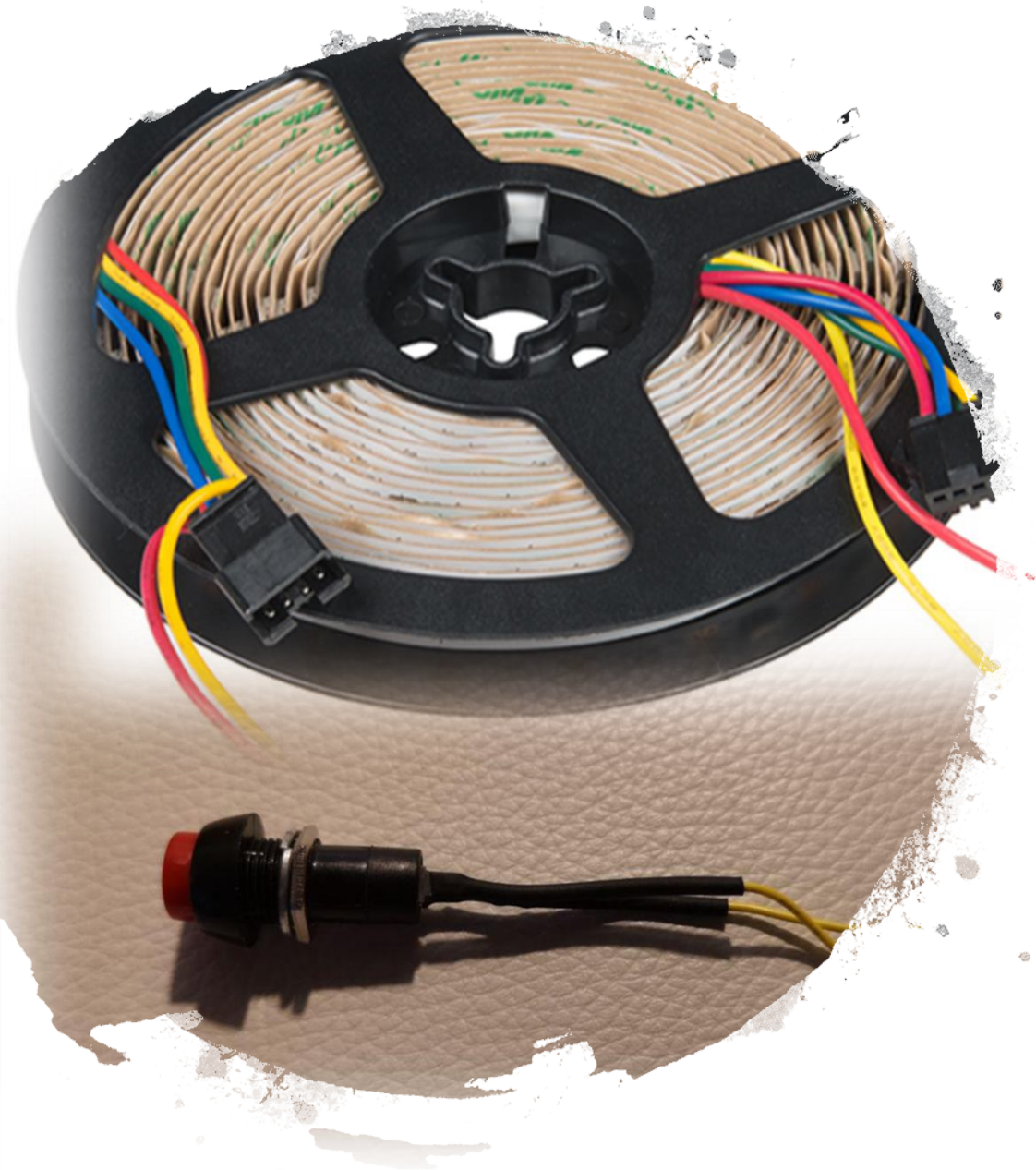
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A red wooden box with a white LED matrix inside, sitting on a wooden floor. The box is open, and the LED matrix is visible. The box is made of red wood and has a white interior. The LED matrix is a grid of small white squares. The box is sitting on a wooden floor. A semi-transparent white circle is overlaid on the left side of the image, containing the text 'What is LEDtrix?' and a list of features.

What is LEDtrix?

- LED matrix in a box
- Controlled by Raspberry Pi
- Tic Tac Toe, Raindrops and Snake



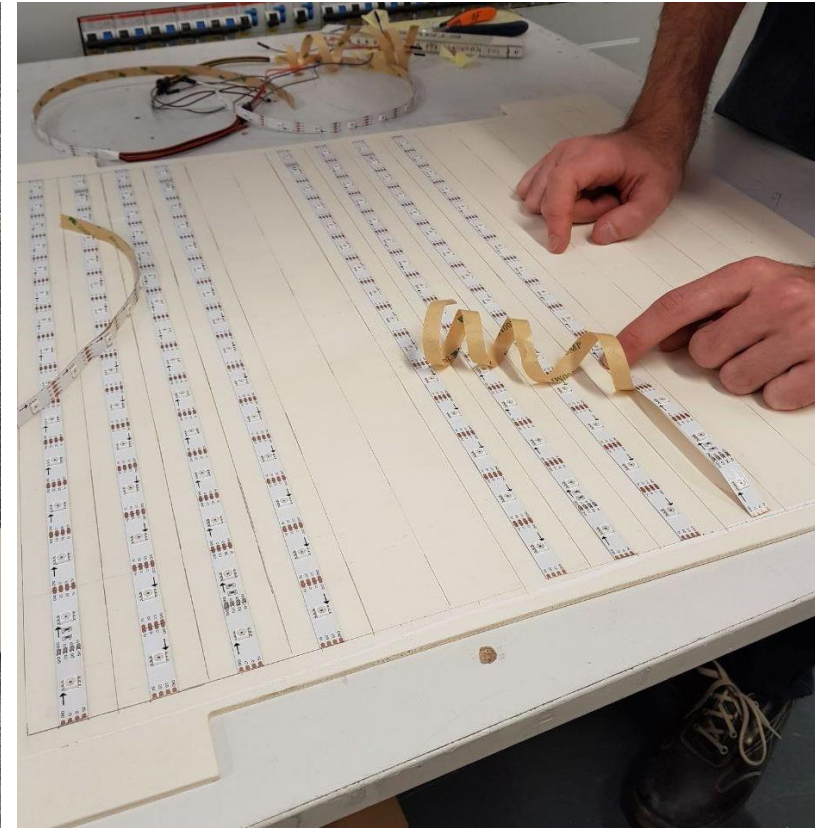
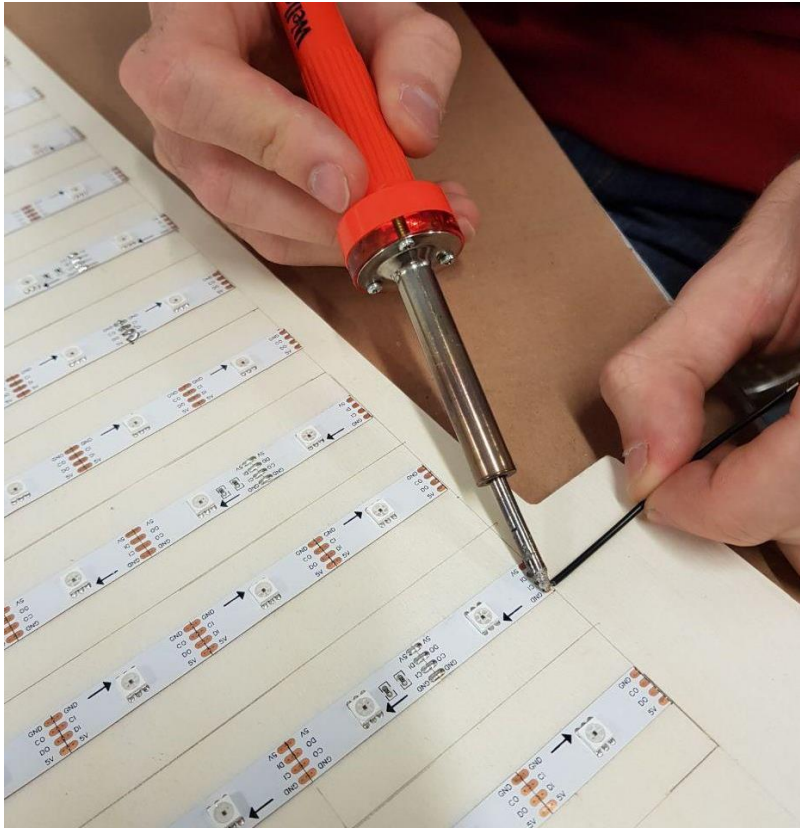
What we used

- APA102 LED-strip
- Squid-Buttons
- Acrylic glass



Budget

| Products | Estimated costs (CHF) | Final costs (CHF) |
|---------------|-----------------------|-------------------|
| LEDs | 50 | 55 |
| Wood | 30 | 30 |
| Acrylic glass | 20 | 38 |
| Buttons | 10 | 22 |
| Cables | 10 | 5 |
| Total | 120 | 150 |



Handwork

Problems on the way

- Too long strip
- Not enough power
- Flickering
- Buttons





Lessons Learned

- Code-and-Fix
- More Brainstorming
- Take notes



Questions?