

# Cat in a Box



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Quantity	Description
1	Push button
1	CR2032 battery holder
1	CR2032 battery (not included)
2	0805 SMD LEDs (different colours included)
1	0805 SMD Resistor 47 Ω
1	Board (PCB)

Difficulty: ●●○○○ Build-Time: 30 – 60 Minutes

Manual v2.0 CC BY-SA 4.0 Binary Kitchen e.V.  
Board v1.0 CC BY-SA 4.0 Timo Schindler

## Safety Information

- ATTENTION: Not suitable for children under 3 years, choking hazard due to small parts that may be swallowed.
- We recommend: Supervision of the assembly and soldering process by an adult.
- Keep these operating instructions in a safe place for later use! It contains important information.
- If the battery is empty, replace it only with a new battery with the same values.
- When soldering, the soldering iron, the solder and also the components being soldered become very hot.
- Always wear safety glasses when soldering and assembling the kit.
- Always use a fire proof soldering pad when soldering! This prevents the components from slipping away.
- To keep the soldering iron safe during assembly, always use a suitable soldering stand.
- The kit is designed for battery operation only.
- CAUTION: Never connect the kit to 230 V mains voltage! There is an absolute danger to life!
- Please take the device to appropriately certified disposal companies at the end of its service life. This is good for the environment and ensures correct disposal.
- Subject to changes and errors.

## Disposal

This appliance is labelled in accordance with the European Directive 2012/19/EU on waste electrical and electronic equipment (WEEE). The directive provides the legal framework for the take-back and recycling of waste equipment throughout the EU.

- **packaging:** The packaging is made of environmentally friendly materials and is therefore recyclable. Dispose of packaging materials that are no longer needed accordingly.
- **waste equipment:** Old appliances often still contain valuable materials. Therefore, hand in your old appliance to your retailer or a recycling centre for reuse. Please ask your retailer or your local authority for the current disposal routes.

blinkyparts.com  
Egerstr. 9  
93057 Regensburg  
GERMANY



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### Step 1

- a) Check your parts.
- b) A CR2032 battery is not included. You can get them online or at bigger electronic stores.



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### Step 2

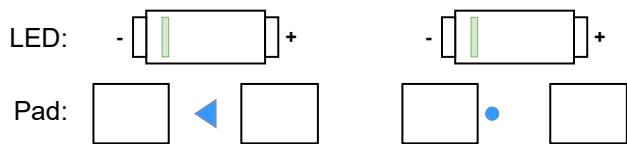
- a) Choose a LED colour and add solder to one side of each of the LED pads of the eyes.



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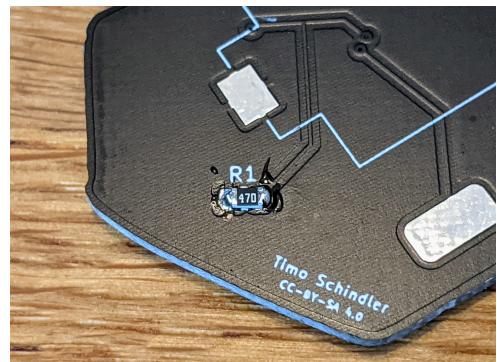
### Step 3

- a) Careful! The alignment of the LEDs is important! First read all steps
- b) The LEDs have a small green line on the top
- c) On the PCB there are small arrows or small dots printed on
- d) The arrows or dots on the PCB show the side, where the small green line has to go
- e) Tip: When the cat is looking at you, the dots are on the left side.
- f) To solder the LED, heat the solder again and move the LED from the side onto the pad with solder
- g) Then solder the other side



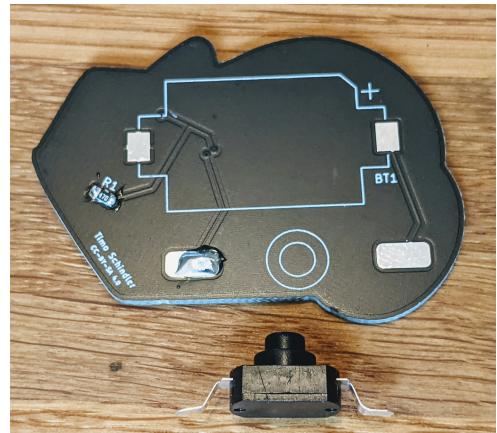
#### Step 4

- Turn the board over and solder the resistor the same way (the resistor has no direction)



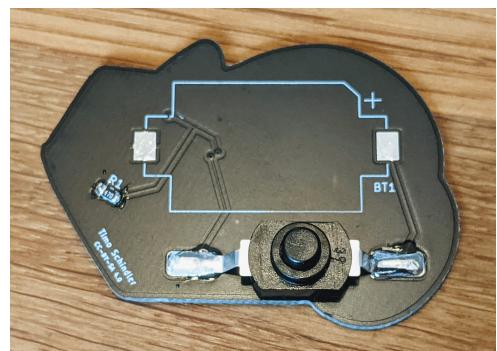
#### Step 5

- Add solder to one side of the switch
- Bend the legs so that they touch the PCB.



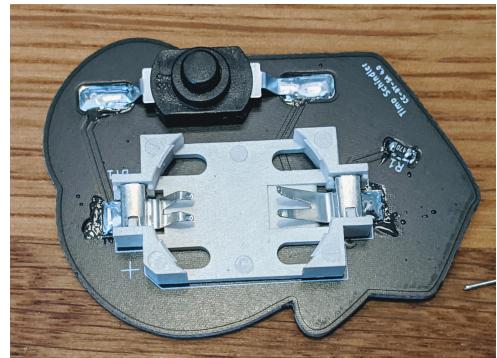
#### Step 6

- Solder the switch on in the same way as the resistor
- Then solder the second leg onto the board.



#### Step 7

- The battery holder has a direction, which is marked with a cut edge. The same edge is also printed on the PCB.
- Put solder on one pad of the battery holder
- Heat the pad with solder again and slide the battery holder from the side onto the pad.
- Make sure, that the other leg of the battery holder touches the other pad.
- Solder the other leg onto the other pad on the PCB.



## Step 8

- a) Insert the battery as shown
- b) the taps on the positive side must touch the top of the battery.
- c) Slide the battery into the battery holder from the left and press down on the left side only.



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## Step 9

- a) You are done!
- b) You can still attach a magnet to the battery, to better attach the soldering kit to your clothes.

