Space Eggs

Quantity	Description
3	RGB LEDs 5 mm
1	LED spacer
1	Egg (made of two parts)
1	Egg cup (3D print, optional)
1	Fire jet (3D print, optional)
1	Reed contact (magnetic switch)
1	CR2032 battery holder
1	CR2032 battery (not included)
1	8x2 mm neodymium magnet
1	Space Eggs circuit board (PCB)

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

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
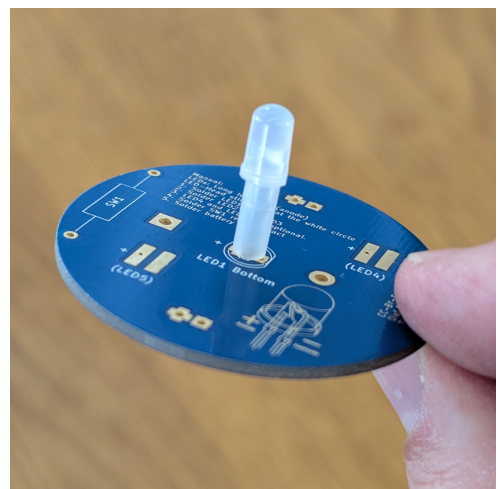Egerstr. 9
93057 Regensburg
GERMANY

Step 1

a) Check your parts

b) A CR2032 battery is not included. You can buy them online or in larger electronics stores

c) The 3D printed parts are optional and can also be printed by yourself. You can find the files at wiki.blinkyparts.com.
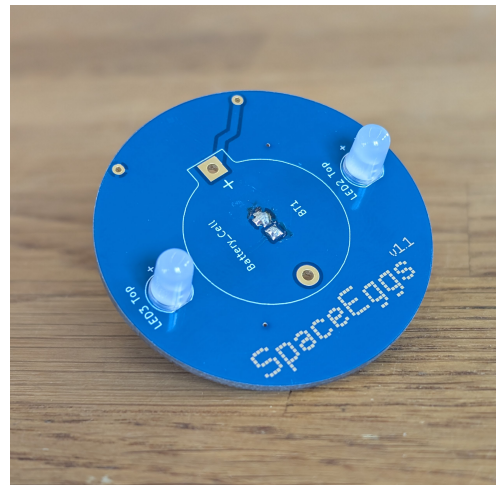

Step 2

a) Take the LED spacer (transparent tube). This has a closed side with two holes and an open side. Cut about 5mm away from the open side. Your LED spacer should now be about 10mm long. Insert an LED through the small holes

b) insert the LED (long leg is the positive leg) through the holes LED1 Bottom. The long leg belongs through the hole, which is marked with a plus sign.

c) Solder the LED from the other side.

d) Tip: First solder only one leg, so you can correct the position again by reheating.

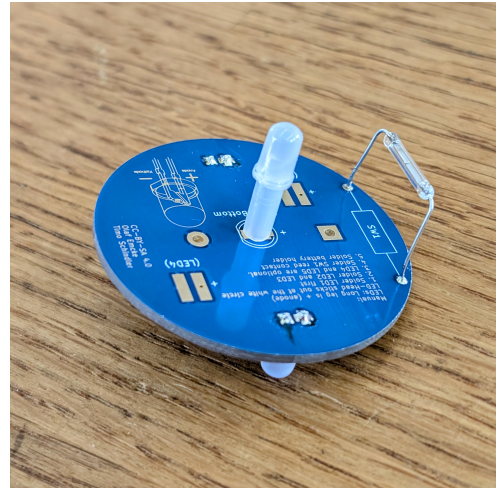e) Then cut off the protruding pieces of wire very close to the surface.

Step 3

a) Insert the LED2 top and LED3 top and solder them in place. Again, make sure to insert the long leg through the hole with the plus

b) Solder the LEDs in place and cut off the excess wires.

Step 4

a) Take the reed switch and carefully bend the legs. Caution: The glass tube is very sensitive

b) bend it so far that you can insert the reed switch into the holes at SW1. The switch has no direction

c) only insert the switch until the wires are slightly sticking out of the holes on the other side

d) solder everything in place. Tip: You can also solder from the top instead of the back.

Step 5

a) Take the battery holder. This has one direction. The outline of the battery holder is drawn on the circuit board. Insert it into the holes at BT1, so that the outline matches the battery holder

b) Solder the battery holder from the other side

c) You are finished with the soldering work. Insert a CR2032 battery.

Step 6

a) Take the egg cup and remove any plastic residue from the edge or the hole in the middle.

b) Glue the neodymium magnet into the recess. The direction does not matter.

Step 7

a) Take the egg and drill a hole centered in the bottom part with a 5mm drill bit

Step 8

a) Insert the circuit board with the long protruding LED from the inside through the hole you have just drilled.
b) Make sure that the reed switch touches the egg shell from the inside.
c) Fix the circuit board with 2-3 (hot) glue dots.
d) Then attach the top of the egg.

Step 9

a) Now insert the egg with the LED facing downwards into the egg cup.
b) The LED should fit through the hole in the middle of the egg cup.
c) Now attach the fire jet from below with hot glue. Make sure that you don't glue the LED on as well
d) you're done! Turn the egg to switch it on.