Pinecil Case

Quantity	Description
2	Outer Case (black)
2	Inner Case (orange)
1	Brass wool
1	Brass wool cover
2	Clips
1	Bearing
1	Soldering iron holder
4	Coil parts
1	M3x16 screw
6	M3x20 screw
1	M3 nut
4	5x1mm neodymium magnet (round)
8	4x2mm neodymium magnet (round)
1	6x2mm neodymium magnet (round)
1	Superglue (not included)
1	Pinecil Soldering Iron (not included)
1	Pinecil USB-C cable (not included)
2	Soldering tips (not included)
1	Solder (not included)
1	Seal (not included)

Difficulty: ●●○○○ Build-Time: 30 – 45 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.

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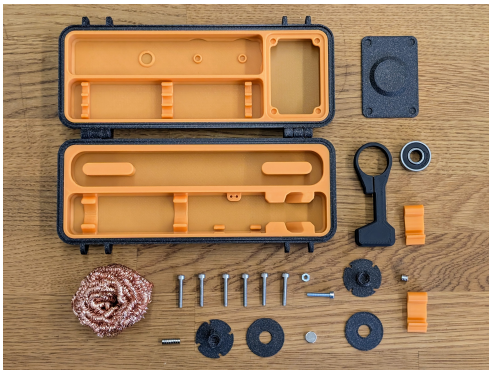
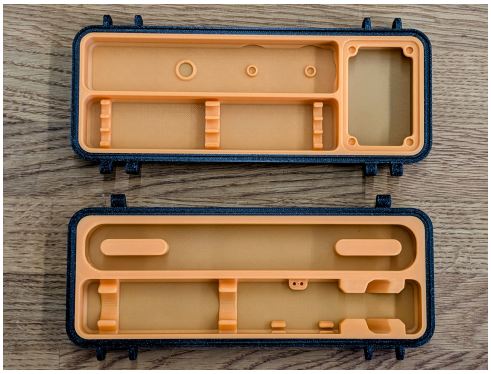
Step 1

a) Check the components in your kit
b) The black outer parts of the case are different: One part has a sealing lip (a bar that protrudes from the edge). One part has a groove (a recess at the edge). This is important for step 2.



Step 2

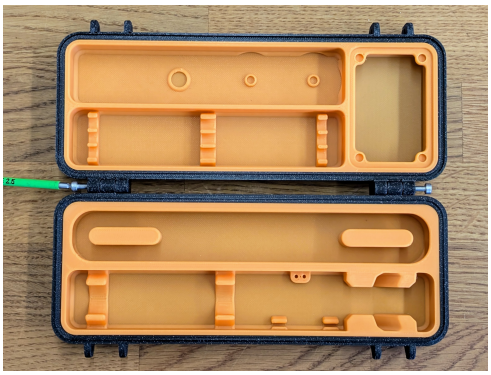
a) Prepare the black outer parts as shown in the photo
b) the outer part with the sealing lip is at the bottom of the picture. The outer part with groove is shown at the top.
c) Insert the inner part with the cable containment (long compartment with two bars at each end) into the black outer part with sealing lip.
d) Insert the inner part with the rectangular compartments into the black outer part with groove.
e) Make sure that the inner parts are fully recessed.



Step 3

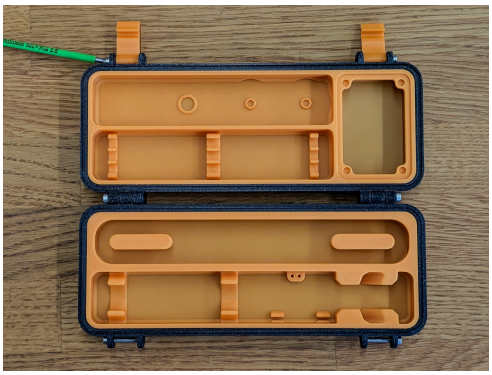
a) Insert the two hinges into each other and make sure that they fit together properly. Now screw an M3x20 screw through the hole in each hinge from the outside
b) do not screw the screws too tightly. The hinge should still be able to move
c) at the beginning

the hinge may still be a little tight, but this will improve with time.



Step 4

a) Now screw two M3x20 screws through the two lower tabs (through the outer part with groove). Again, do not screw too tightly. The tabs should not bend
b) Now insert the clips with two M3x20 screws as shown and screw them tight. Do not use too much force. The tabs should be easy to move.



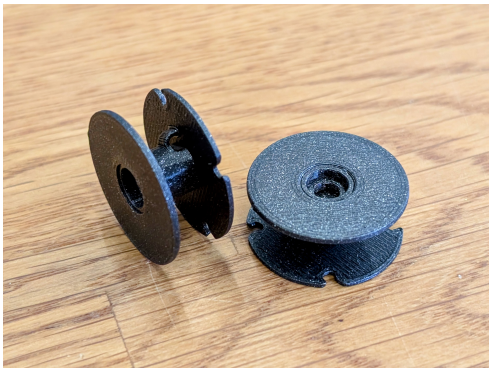
Step 5

a) Insert the bearing into the soldering iron holder. Now clamp the bearing in place with a screw and nut (the nut goes into the hexagonal hole). Do not use too much force!

Step 6

a) Put two of the coil parts together. This should work with a little force.

b) Fix the two parts with a little thin superglue.



Step 7

a) Glue the largest magnet into the recess provided in the upper part of the inlay.

b) The orientation (north/south) of the magnet does not matter in this case.

c) Tip: It is better to use less glue than too much.

Step 8

a) Attention: In the next steps, it is important how the magnets are aligned.

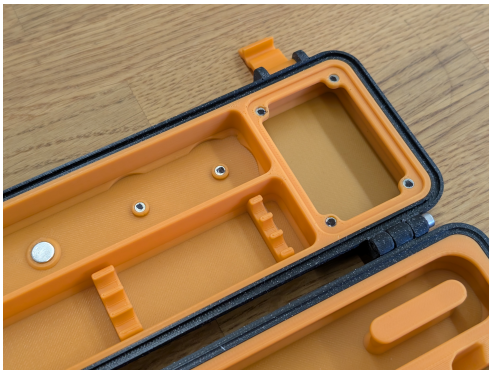
b) Take all the magnets and carefully bring them together, so that the magnets attract and align themselves.

c) Now take one magnet at a time and always mark the same side with a felt-tip pen. This is very important later on!

d) Tip: You can use a screwdriver or a metal surface to better organize the magnets (see picture).

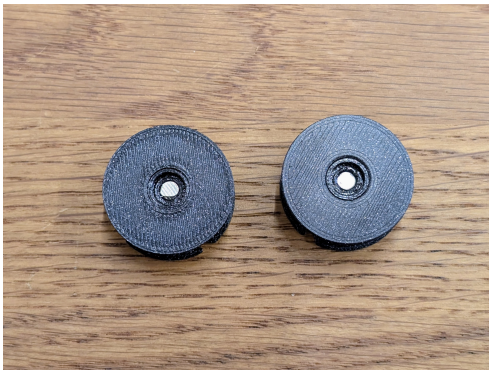
Step 9

a) Tip: It is better to use too little superglue for this step than too much.
b) Glue six of eight 4x2mm neodymium magnets into the recesses provided in the inlay.
c) Important: Make sure the marking is visible on all magnets!



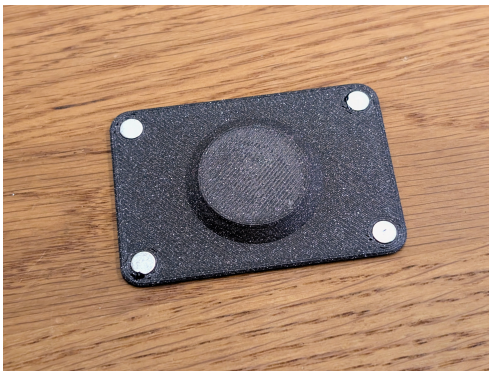
Step 10

a) Tip: It is better to use too little superglue for this step than too much
b) Glue the remaining two 4x2mm neodymium magnets into the coils, so that the marking is NOT visible.



Step 11

a) Tip: It is better to use too little superglue for this step than too much
b) Glue the four 5x1mm neodymium magnets into the brass wool cover, so that the marking is NOT visible.



Step 12

a) Press the brass wool into your case. It should lie flat and sit well / not fall out.
b) Tip: You may have to cut your brass wool in half again. You can do this with wire cutters or tin snips. Save the rest as a spare. Once everything is dry,you can add soldering iron holders, the coils and the brass wool cover. All the magnets should tighten.

Step 13

a) You’re done! Have fun with your soldering iron case
b) You can insert the soldering iron into the soldering iron holder as shown.

Step 14

a) Tip: When inserting the soldering iron, make sure that it is fully inserted into the holder. Otherwise too much heat will be transferred to the bearing and then the holder. Tip: If you are using a thumb screw, the soldering iron must be right at the edge so that it fits into the housing. Pay attention to this when closing for the first time. Otherwise the soldering iron could break. If the case can be closed without force, everything is fine.