


Draussenfuchs Antenna



Anzahl	Beschreibung
1	Measurement Tape
400 mm	Irrigation Hose
3	4-Way-Splitter
100 mm	Heat Shrink Tubing 12 mm with Glue
1 m	Heat Shrink Tubing 12 mm without Glue
300 mm	Threaded Rod M3
1	Yagi-PCB
1	SMA-Connector

Difficulty: ●●○○○ Build-Time: 30 – 50 Minutes

Manual v2.0  CC BY-SA 4.0 Binary Kitchen e.V.
Building Kit v1.0 MIT License [Harm, DK4HAA, draussenfuchs.de]

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 GmbH
Egerstr. 9
93057 Regensburg
GERMANY
blinkyparts.com



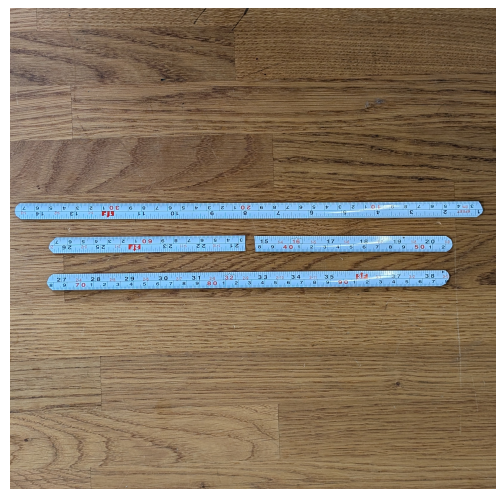
Step 1

- a) Check that all parts are present.



Step 2

- a) Pull the tape measure completely out of the dispenser and unhook it at the end.
b) Allow the spring to spring back into the dispenser.
c) Cut off the metal plate at the end of the tape measure.
d) Cut 4 pieces of the following lengths: 1 x355 mm, 2 x150 mm, 1 x304 mm
e) Round the corners of the pieces slightly
f) Mark the middle of the two long pieces with a pencil.



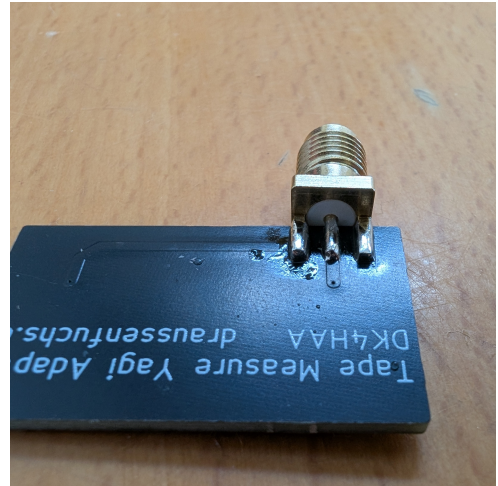
Step 3

- a) Grind off the paint at the non-rounded end of the two short pieces of measuring tape to a length of about 2 cm.



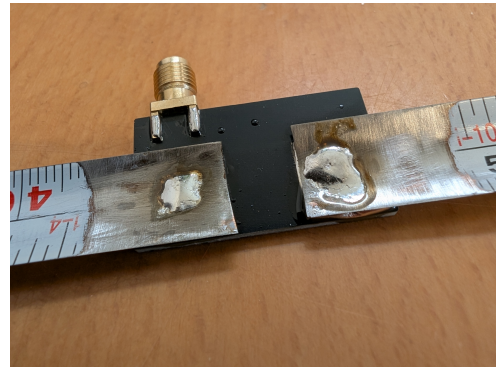
Step 4

- a) Take the circuit board and the SMA socket
- b) Solder the SMA socket to the circuit board
- c) Make sure that all solder joints are clean and firmly soldered.



Step 5

- a) Apply a generous amount of solder to the large solder pads on the board
- b) Apply sufficient solder to the side of the measuring tapes that is bent outwards
- c) Then solder the measuring tapes to the board
- d) Tip: Use a little extra solder to improve the heat transfer between the soldering iron and the measuring tape
- e) Make sure that the measuring tapes are aligned parallel to each other.



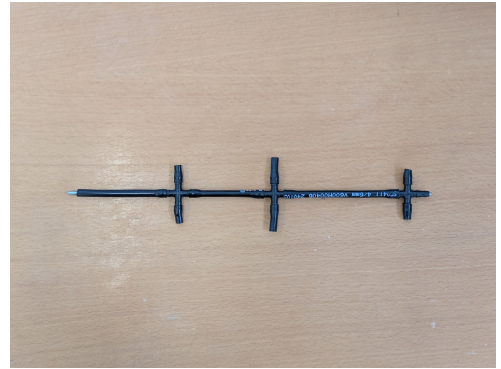
Step 6

- a) Now take the irrigation hose
- b) Cut the hose into 9 pieces with the following lengths: 4 x15 mm, 2 x25 mm, 1 x100 mm, 1 x65 mm, 1 x75 mm.



Step 7

- a) Attach one end of the 75 mm hose to a 4-way manifold
- b) Insert a piece of 15 mm hose into each of the two side connections (at a 90° angle)
- c) Attach the 65 mm hose to the free end
- d) Attach the next 4-way manifold to the end of this hose. Attach two 25 mm-long hose sections to its side connections. Attach the 100 mm hose to the remaining free end. Attach another 4-way manifold to the side connections. Attach the two remaining 15 mm hose sections to its side connections. Now push the threaded rod through the long hose sections.



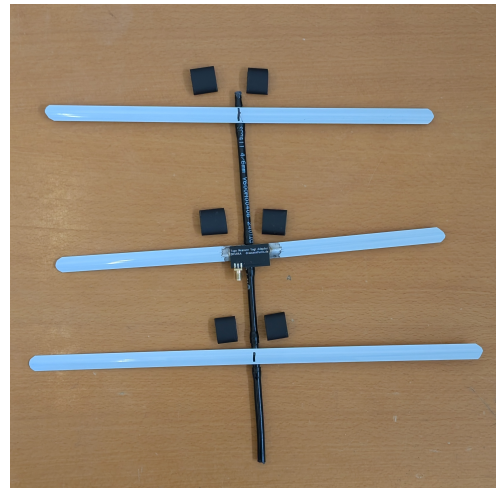
Step 8

- a) Push the threaded rod on one side into the tube, so that it is flush with its end
- b) Cut off the excess on the opposite side
- c) Glue both ends with a little hot glue.



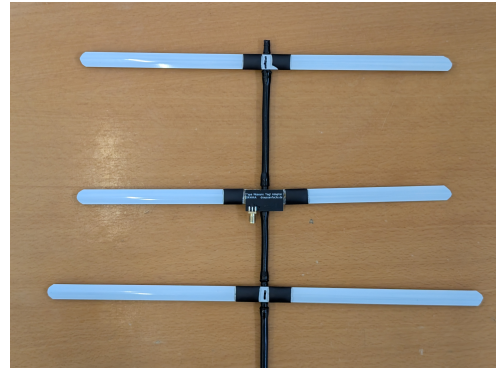
Step 9

- a) Cut the short heat-shrink tubing with adhesive into equal pieces
- b) place the tape measure sections on the distributors of the tubing construction: the strip with the circuit board belongs in the middle, the long strip on the side with the protruding tubing and the medium-length strip on the side with the short end.



Step 10

- a) Now slide the shrink tubes over the measuring tapes from the outside
- b) once they are positioned over the distributors, shrink them tight
- c) make sure that the measuring tapes are centered - use the markings as a guide.



Step 11

- a) Cut the long shrink tubing into 6 pieces
- b) these should be long enough to reach from the center of the antenna to just above the ends of the measuring tapes.



Step 12

- a) Now shrink the long shrink tubes onto the measuring tapes
- b) Make sure that the ends of the measuring tapes do not protrude, as they can be very sharp.

