



This soldering kit should provide an easy introduction to the basic knowledge of soldering. It is very well suited for guided soldering classes in schools and workshops. In addition, the flashlight kit can be used in holiday programs, in country school homes and other events around the topic of soldering.

If the kit is soldered, this can be used as a flashlight. By using an extra switch, the flashlight can also play Morse code. The Morse code alphabet is in the manual. If the battery is empty, it can be replaced by an identical battery. The battery is part of the kit.

**Dimension:** 80 x 50 x 20 mm

**Age recommendation:** From 10 years on

**Number of components:** 20 piece, **Assembly time:** 20 min

**What is still needed:** Soldering irons, Soldering tin, Sidestream, Tweezers

## Safety notes:

- **ATTENTION! Not suitable for children under 3 years, risk of choking on small parts.**
- **We recommend:** Supervision of the construction and the soldering process by an adult person!
- Keep this manual for future reference! It contains important information.
- When the battery is drained, always replace it with a new battery with the same rating.
- The soldering iron, solder and the parts being soldered become very hot. Be very careful!
- Always use a mat when soldering! This prevents parts from slipping.
- We recommend using a soldering iron holder to set the soldering iron down safely during use.
- This kit is intended for battery operation only. **ATTENTION: Never connect the kit to 230 V mains voltage!**

**Acute danger to life!**

For instructions, please click here:

**Preparation:**

- Carefully remove the wooden parts from the wooden plate
- Thoroughly check the list of components to check that all pieces are there:

**What else is required:**  
Soldering iron, solder, side cutters, tweezers

**We recommend:**  
Supervision of the assembly and the soldering process by an adult!

And now you can start with the **ASSEMBLY INSTRUCTIONS**

**A Assemble the button**

Unscrew the spring washer and nuts

1 x [Spring washer]

1 x [Wood]

**B Tighten the button's nuts with the wooden tool**

1 x [Wooden tool]

**C Assemble the switch**

1 x [Switch]

2 x [M2 x 10 mm]

**D**

2 x M2

Unscrew the nuts

Tighten the screws

**E**

Solder the two red cables with the switch and remove the ends of the wires with the side cutters.

2 x [Red cables]

**F**

Lead one cable from the switch to the button and solder it in the same loop of the button with another unconnected red wire. Cut off the ends of the wires if necessary.

1 x [Red wire]

**G**

Solder the second cable with the switch with the red cable of the battery clip to the button's remaining free loop. Cut off the ends of the wires if necessary.