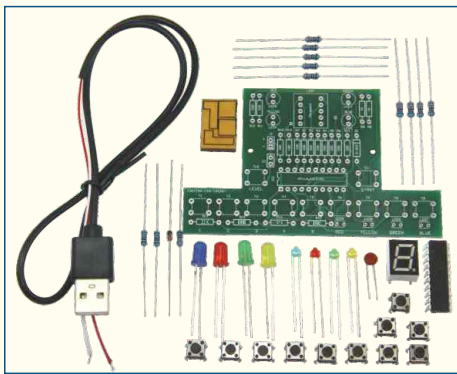
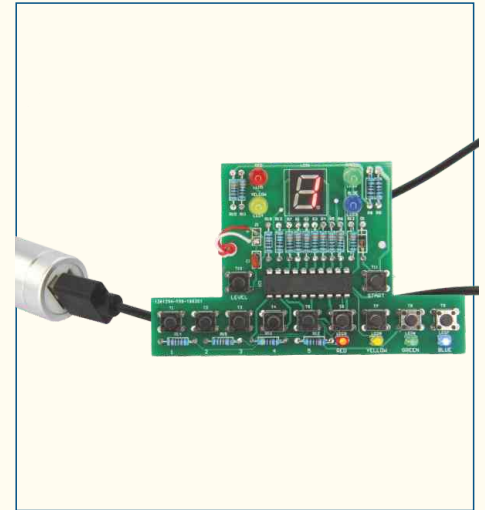
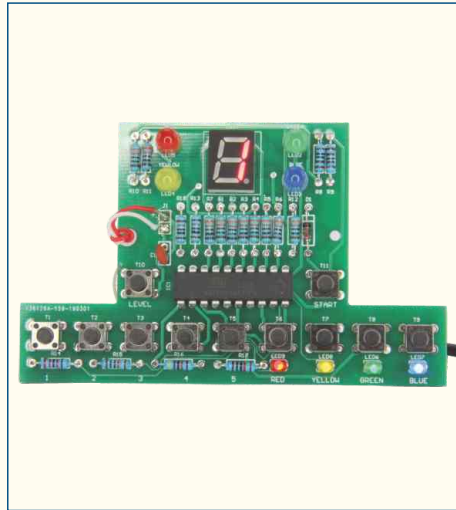
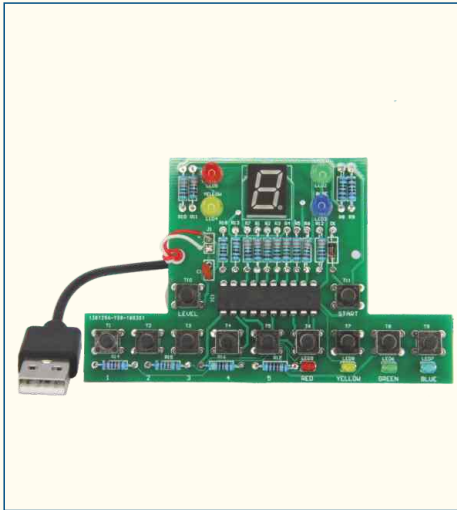




The "TYB" board kit is an excellent introduction to soldering, future electronics engineers and amateur technicians, and anybody who enjoys working with a soldering iron or a soldering station. Over 40 parts will be soldered onto the "TYP" board, including a preprogrammed microprocessor. Once the board is fully assembled, the "TrainYourBrain" program on the processor starts exciting games with various difficulties. The 7 segment display shows numbers from 1 to 5, which the player must then enter correctly with the pushbuttons. If the entries were correct, you advance with the next round. Sounds simply, but just wait until the number sequence is longer or colours are added to the number and the output speed is faster: "TrainYourBrain". Improves memory and focus, and the best part is: it's fun! The electronics kit is powered via power bank or directly via USB port. So you don't need an expensive battery.

Age recommendation: From 10 years on. **Number of components:** 38 Stück, **Assembly time:** 60 min.

You will also need: Soldering iron, solder, side cutters, tweezers, power bank (USB), possibly boards assistant.

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 these instructions for future reference! They contain important information.
- The soldering iron, solder and even the parts being soldered become very hot when soldering. Be extremely careful!
- Always use a mat when soldering! This prevents parts and the board from slipping.
- We recommend using a soldering iron holder to set the soldering iron down safely during use
- This kit is only intended to be powered by USB. **Never connect the kit to 230 V mains voltage!**

Acute danger to life!

For instructions, please click here:

QR Codes

Hier geht es zur Anleitung:

Click here for the instructions:

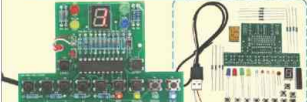
Cliquez ici pour les instructions:

Klik hier voor de instructies:

Parts list

Qty.	Part	Value/Description
1	Board	96300
1	7 segment display (LED1)	Colour red
1	LED 5 mm (LED2)	Colour green
1	LED 5 mm (LED3)	Colour blue
1	LED 5 mm (LED4)	Colour yellow
1	LED 5 mm (LED5)	Colour red
1	LED 1.8 mm (LED6)	Colour green
1	LED 1.8 mm (LED7)	Colour blue

TrainYourBrain, Lötbausatz - Soldering kit - powered via power bank or USB port



ASSEMBLY INSTRUCTIONS

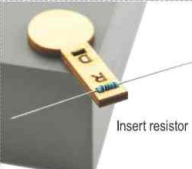
Laser-cut wooden bending fixture

To ensure resistors and diodes properly fit between the lands, the leads on the parts must be bent absolutely correct. To make this easier, we built this simple, yet functional bending fixture.

Simply place the parts into the respective opening (R = resistor / D = diode), then bend the leads down straight at the edge of the wood. The part now fits perfectly in between the lands. To make it easier, to bend all resistors and the diode now to prepare them for the next steps.




Resistor before bending bent



Insert resistor



Bend one pin down...



...bend the second pin down



Diode

A Solder diode in place. Note the correct polarity (direction) - cathode shows on the board! Trim excess leads.

B Trim excess leads.