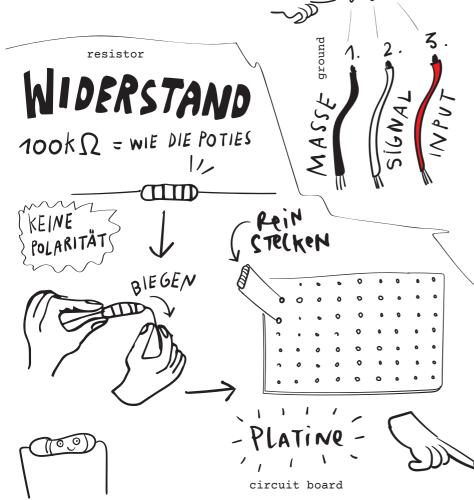


A potentiometer is a three-terminal resistor with a sliding or rotating contact that forms an adjustable voltage divider.

Tin the poties then join the leads to each terminal following the color code.



NERT

2m

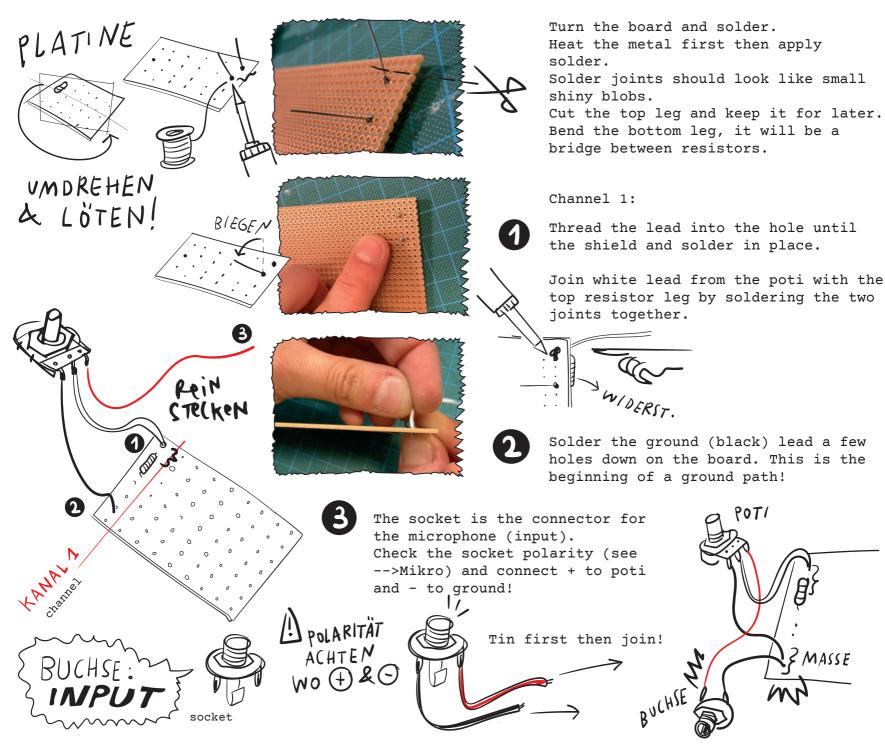
VOLUME

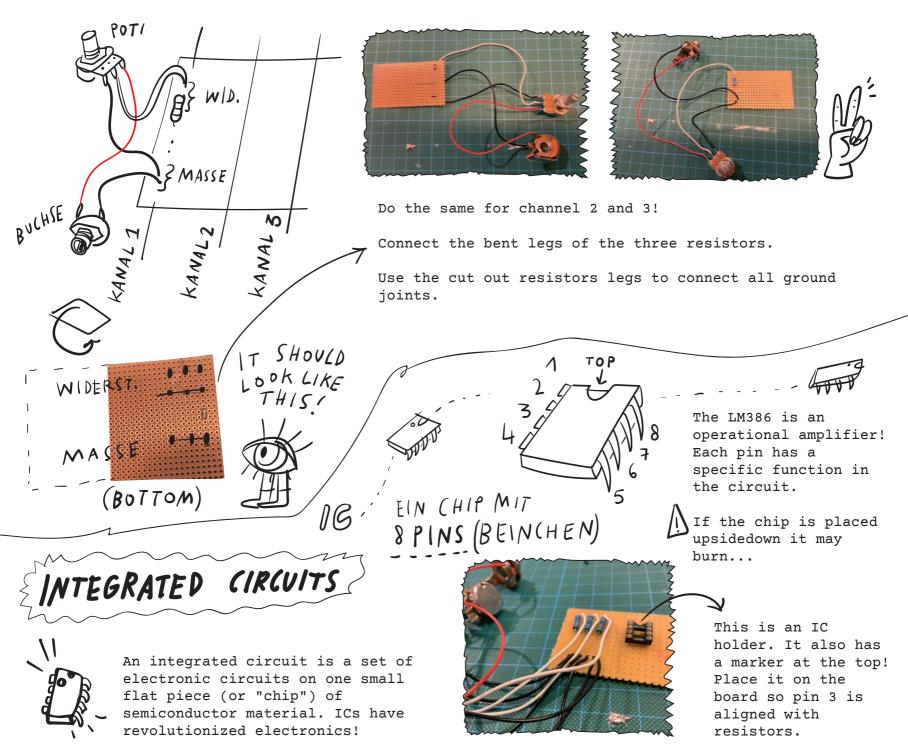
POTIES Hong NICHT WACKELNI NICHT VERGESSEN: DIE SPITZE SAVBERN!

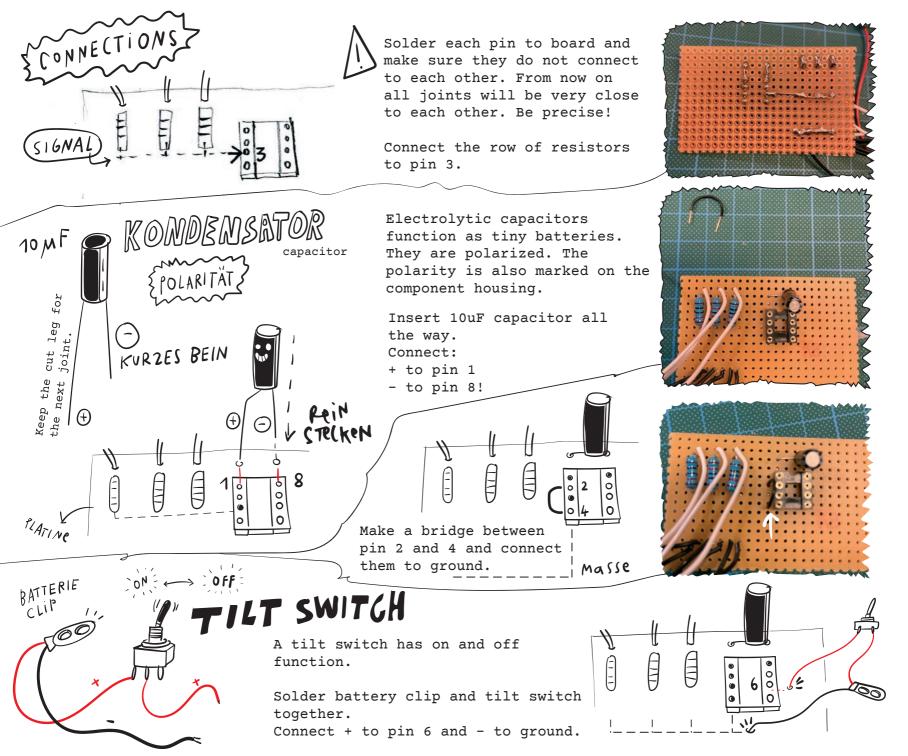
> A resistor is a passive electrical component that limits electrical current to a specific value.

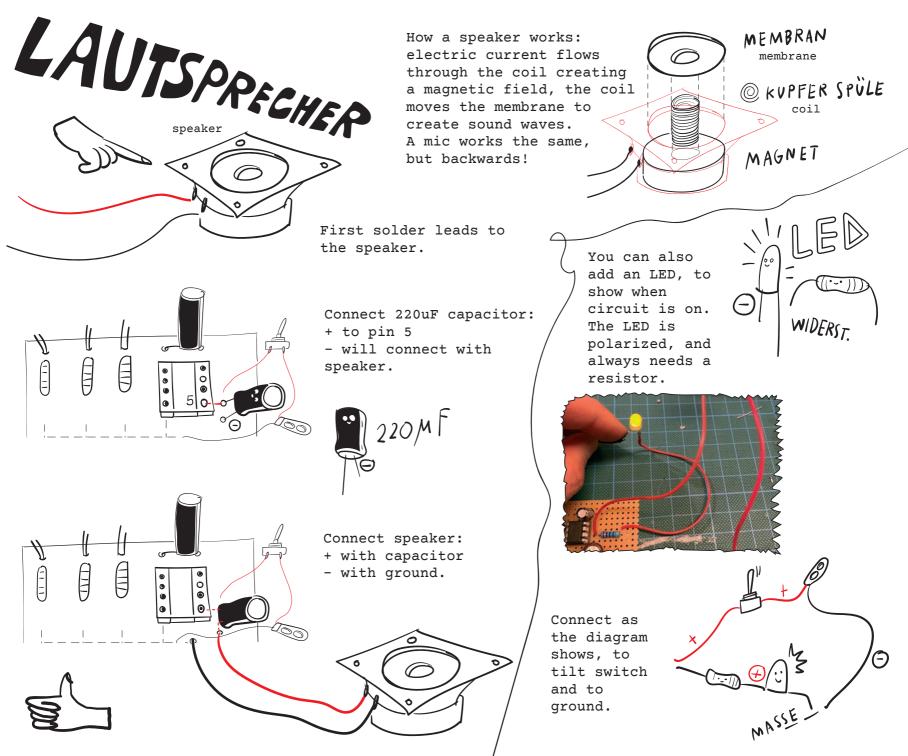
The cicuit board we are using has single copper holes, we have to make all the connections.

Always place components on the top (plastic) and solder on the bottom (copper)!

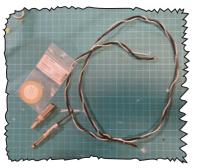










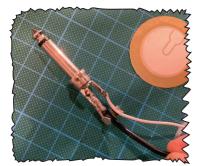


Use a mono jack plug. This is a connector for audio signal.

KLINKE

jack plug

tip Ð



Follow the drawing to connect leads correctly according to polarity.

Unless you put the mic inside a cone! For example the Overlock thread cone!

A piezo is a contact mic, it has a brass and a ceramic plate. It picks up vibration, and usually not our voice...

PIEZO



How to find out polarity?

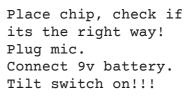
in the second

ope

Use the multimeter! Plug jack into socket. To find + touch one probe to jack tip, the other to socket terminals: If it beeps its +!

To find - touch jack shaft and socket terminals: If it beeps its -!

SOUND







CASE

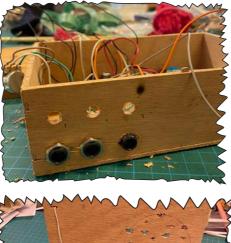
A case is good protection for your device! Look for cigar boxes, Plastic containers, a bag... anything that isn't metal works.

Measure to make sure everything fits in the case: leave room between the poties and jack sockets, they cannot touch each other! Shorten any leads if they are too long.

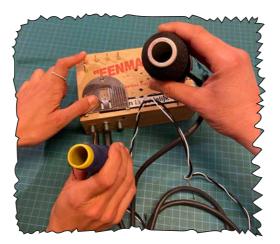
Hot glue the tilt switch onto the circuit board to secure it once the switch is placed in the case.

Mark the holes for poties, sockets, switch and LED and make holes with screwdriver.

Unscrew the nuts on poties and jacks, place them inside the case and screw them tight from the outside!



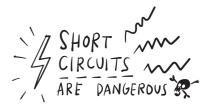




TURNING YOUR MULTI-MEGA-PHONE INTO A NOISE BOX:

Touch the back of your circuit board with two fingers: at certain connections you hear some squeaks and noises. This is because our bodies conduct electricity, and actually you are making a short circuit on the board with fun results!

Extend these points with some shielded wire to anything conductive: screws, metals... to check conductivity use the multimeter: if it beeps its conductive!



Working with short circuits as noise generators is a fun experiment but should only be played with battery operated devices!

MAKE NOISE with your friends!!!