

Open.Theremin.UNO Extension Kit

The extension kit provides you with mechanical parts to set up the open.theremin as well as electronic components to expand its functionality.

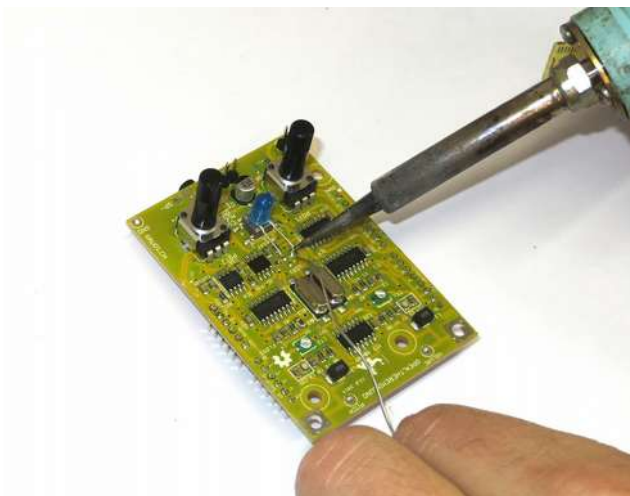


→ For simplicity it is recommended to take in operation the theremin with standard software and and calibrate first without cover installed.

Electronic Parts

The two potentiometers with knobs can be soldered on the shield to adjust parameters while playing. You need to install special software that reads their voltage and defines their functionality. See download section.

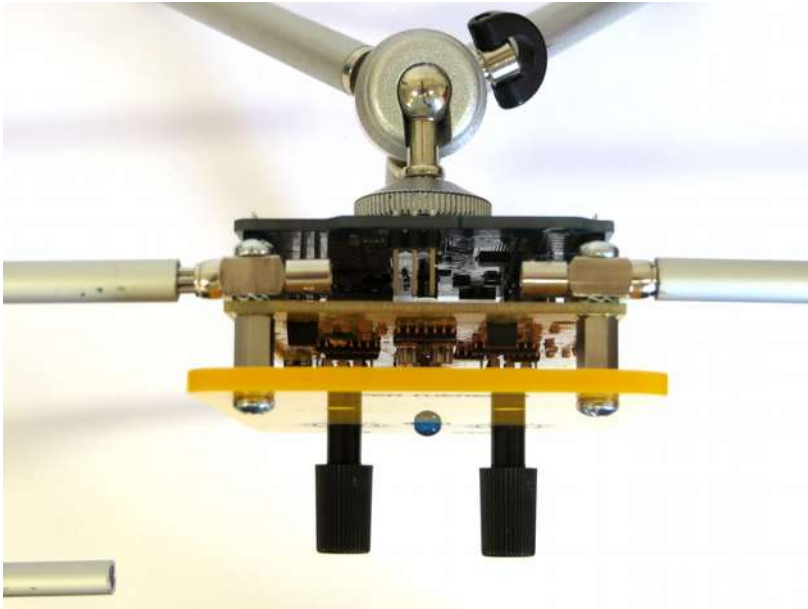
The 5mm blue LED can indicate extra information or be used for illumination. Solder it to the dedicated pads at the center of the shield. Note polarity, the longer leg goes to +. When installed as shown in the picture the LED will serve as illuminated button. (Bend the LED once just under the head and then at a distance of 12mm again so it fits exactly on top of the push button)



With special software installed the open.theremin outputs analog voltage on the audio jack. The jumper next to the audio jack must be installed in this case.

Mechanical parts

The spring plugs (banana plugs) can be attached to the board and make removable connection to any antennas with 4 mm inner diameter. For the antennas (not included) use metallic (eg. aluminum) tubing. The thin tubes (6 mm) are easy to bend by hand.



The little acrylic adapter piece with a threaded hole fits to commercial camera stands (1/4" UNC, not included) and can be stuck to the back of the arduino or your own housing.





The yellow cover board (laser cut from acrylic) fits exactly the electronic shield and makes for a very elegant, simple instrument. The cover can also serve you as a template for your own housing designs.

For more information, documentation and source code of the open design go to:

www.gaudi.ch/OpenTheremin

