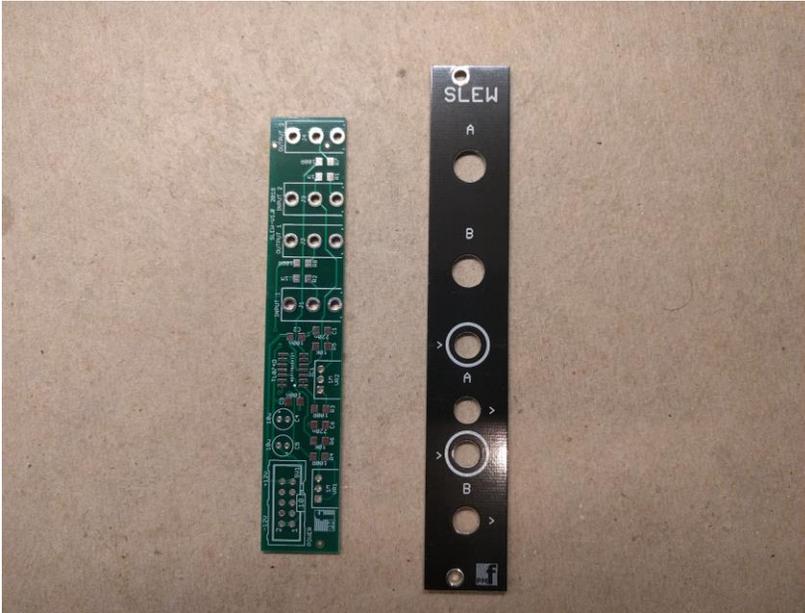


Slew V1.0 – Assembly Guide

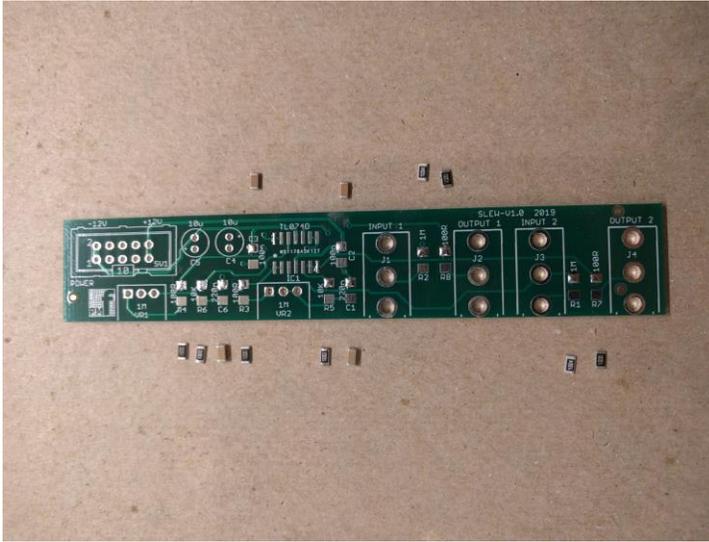
Thank you for purchasing this module! This is an easy build but with some surface mount parts including precision integrated circuits. Some of the pads are quite small and you will need a chisel tip or screwdriver tip soldering iron, fine solder and the skill to solder these tiny joints. If you have not soldered SMD before, we recommend watching some of the many YouTube guides. Our favorite: [EEVBlog](#).

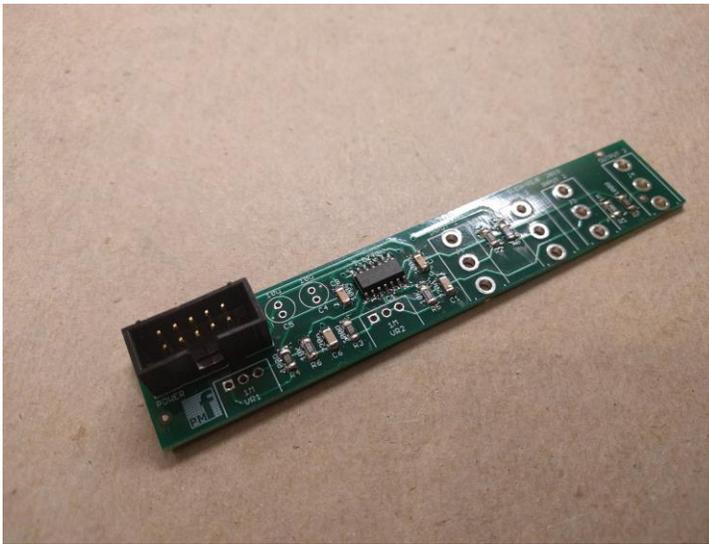


The module is designed and sized for **Euro-rack** systems. You will need a 16-10 pin euro-rack power ribbon connector with $-12/0/+12$ which is connected to a synth power supply. Follow the parts lists, these instructions and the PCB silkscreen text to build the module. Please ensure that you place the components on the correct side.

1. Board preparation

Apply flux to the SMD pads. Tin one pad of each SMD footprint with a SMALL amount of solder. For the ICs, apply a tiny amount of solder to two opposite corner pins.





5. Electrolytic capacitors

These are through hole components.

Install these on the TOP. Make sure you orient these capacitors correctly. The longer lead and/or the lead marked with a + needs to be inserted into the hole that has the “+” marking near it. Leads marked with “-” go in the board hole WITHOUT the “+”. Solder and clip the leads.



6. Potentiometers

If the pots have positioning lugs on the front, cut these off with a sharp pair of flush cutting pliers. The front of the pot (where the shaft protrudes) needs to be flat.

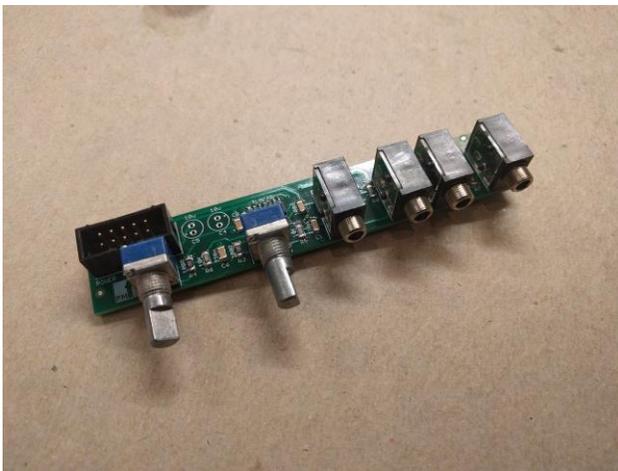
Install 2 pots (1M) on the TOP of the board.

Carefully align the pots so they are flush with the edge of the board and perfectly upright and tight to the board surface. Solder one pin only. These will be finalized later. Please ensure they are on the CORRECT SIDE OF THE BOARD. See Photo.



7. 3.5mm Jack Sockets

These are installed on the top of the board. Tack one pin only with solder. These will be finalized later. Please ensure they are on the CORRECT SIDE OF THE BOARD. See Photo.



Final Assembly

1. Place the front panel over the board so that the 3.5mm jacks align with the holes in the panel.

2. Put nuts on the jacks and FULLY TIGHTEN all of them. Do not overtighten!



3. Now fully solder as many of the remaining pins on the jacks and pots that you can access without burning nearby components.
4. Now remove the panel and finish soldering the more difficult to reach pins.
5. Put washers on the pots and place the front panel over the PCB again so that the pots, switches and 3.5mm jacks align with the holes in the panel.
6. Put nuts on the pots and jacks and FULLY TIGHTEN all of them. Do not overtighten!
7. Install the knobs.

