

WAVEFORM

M A G A Z I N E

MEOW MIXER BUILD GUIDE

MEOW MIXER BOM

1 x faceplate

1 x PCB

2 x m3 6mm Eurorack screws

4 x 3.5mm jacks

4 x 100k potentiometers

1 x 10 pin shrouded header

1 x Eurorack cable



DIY!!!

The Meow Mixer

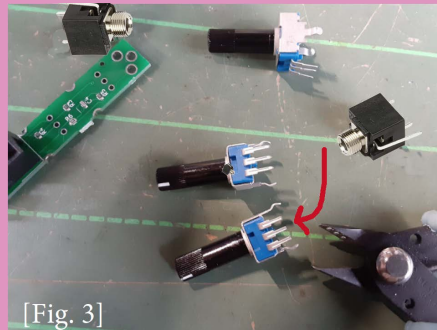
The Waveform Meow Mixer is a 4HP three - channel powered Eurorack module that has 3 inputs with attenuation, and 1 summed main output with a main output volume control.

For the most part, this is a straightforward build, and all of the SMD parts are already pre-soldered on the board, but we need to solder in the potentiometers, jacks, and the header. The header is a bit tricky, so take your time to do it right.

Step 1] Take the 10 pin header and place it on a table in front of you. You will see 5 rows of 2 pins. Starting from the left, we will call these pairs of pins 1, 2, 3, 4, 5. [Fig. 1]

With a pair of small pliers bend the pins from rows 3 and 4.

[Fig. 1]



[Fig. 3]

Step 2] Solder the header in place, making sure it's on the bottom of the PCB Fig 2. Make sure to solder the header flat on the PCB and then flip the PCB over and clip the header leads as flush to the PCB as possible. It's the shorter leads that get soldered, leaving the longer leads to connect to the cable when it's plugged in.

do each of the outer tabs. Be very careful not to solder the potentiometer leads together.

Step 4] Fold the two tabs on each side of the potentiometer towards the PCB so you can have them lie as close to the PCB as possible [Fig.]. You may have to clip off a little bit of the tabs so they don't touch the header and lie flat.

Step 5] Solder the three remaining potentiometers in place and make sure they are flat on the PCB.

Step 6] Insert the jacks into the appropriate holes and solder them in place. Make sure the jacks lie flat on the PCB. You will probably have to angle the ground leg of each jack to get them into place.

Step 8] Screw on the faceplate, plug it in and you're done!

Step 3] Next, grab one of the potentiometers. We are going to solder in the second pot from the top, the one that sits on top of the header. Put the potentiometer in the correct holes, and make sure it's flat. If it's not flat, clip off a tiny portion of each leg until it lies flat on the PCB. Very carefully, we are going to solder the three legs in place from the topside of the PCB. Start with the middle tab, and then



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