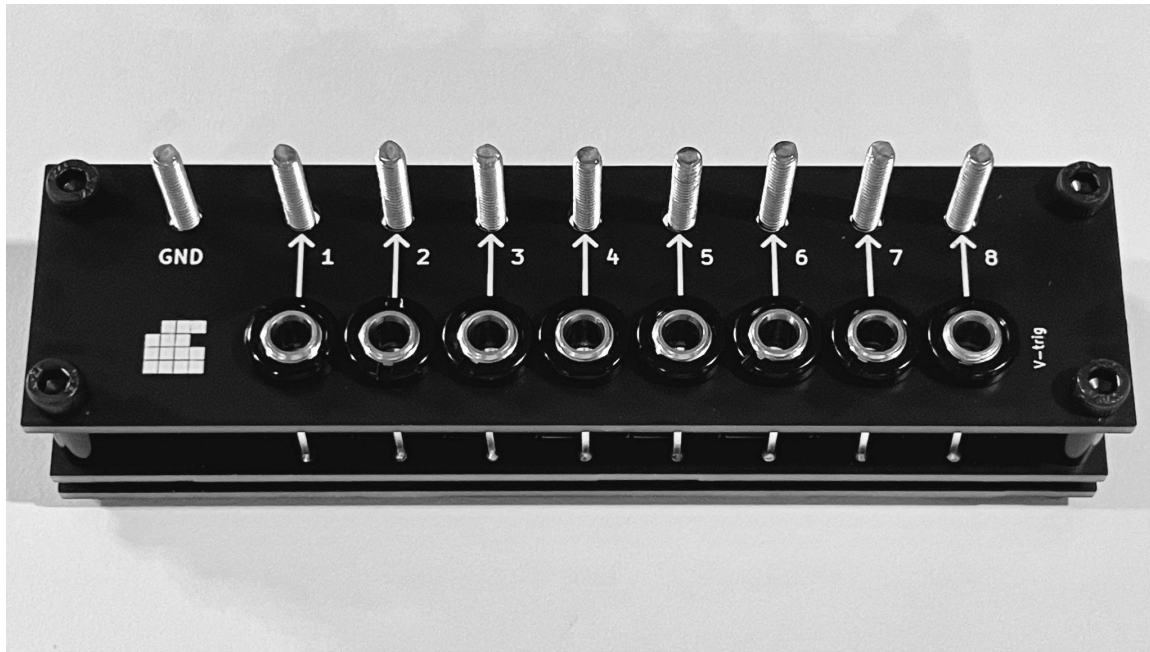


8-GATES build guide

by jroo

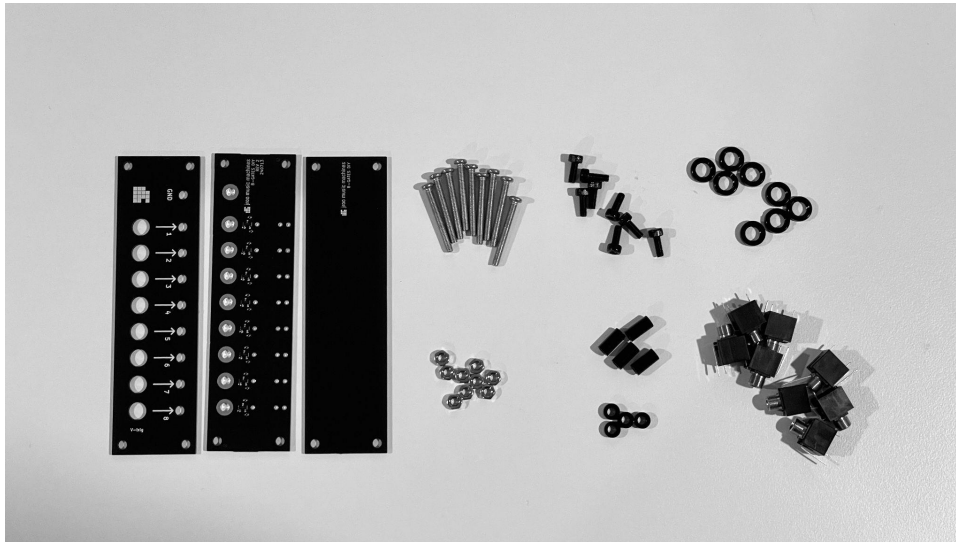


In the bag



- Panels & PCB
- Five bags (poles, pole nuts, spacers, panel screws, jack nuts)
- 8 jacks

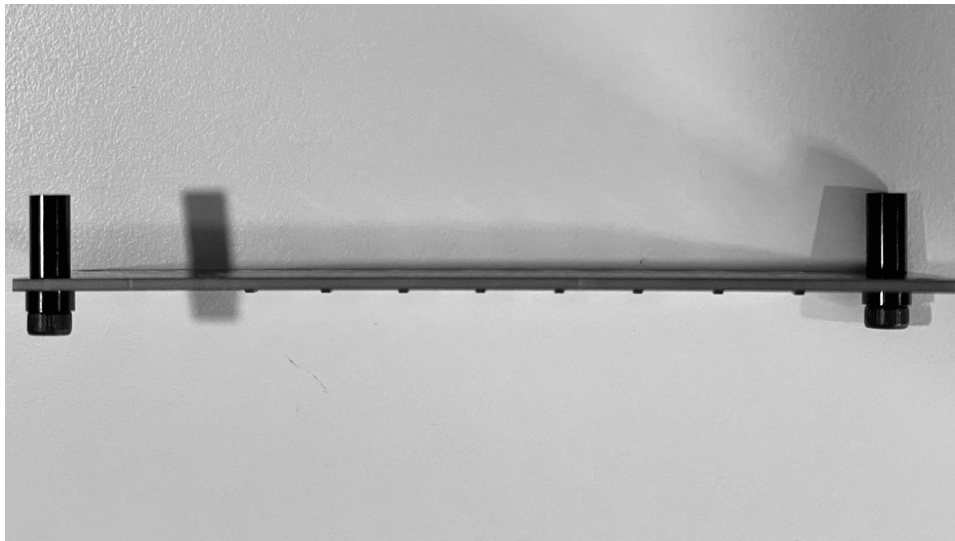
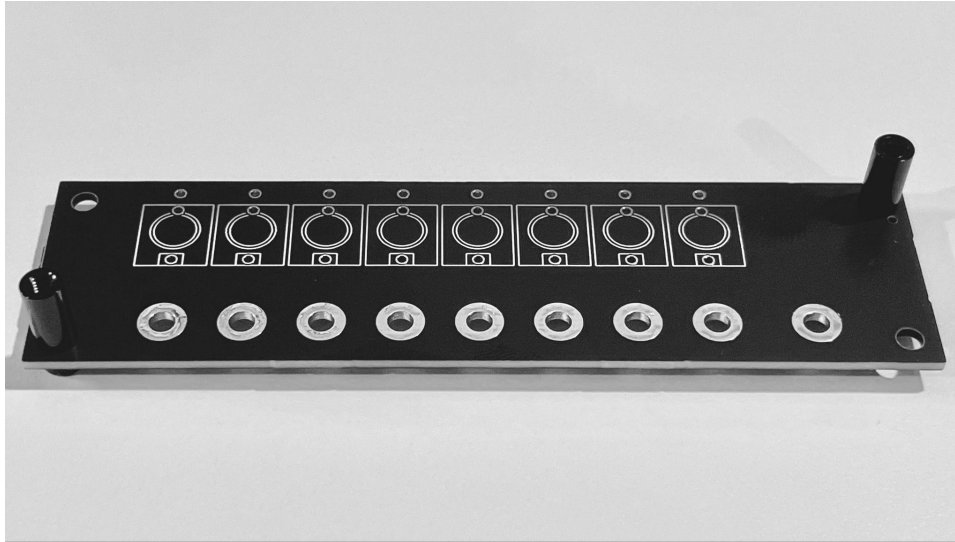
Materials



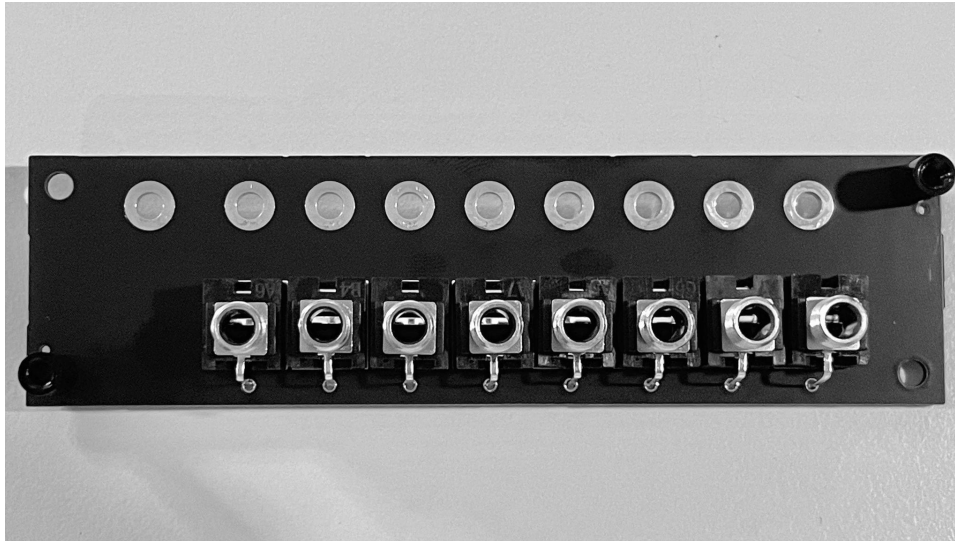
- 1 top panel
- 1 PCB
- 1 bottom panel
- 9 pole screws
- 9 pole nuts
- 8 panel screws
- 4 long spacers
- 4 short spacers
- 8 jack nuts
- 8 jacks

Step 1: Add and solder jacks

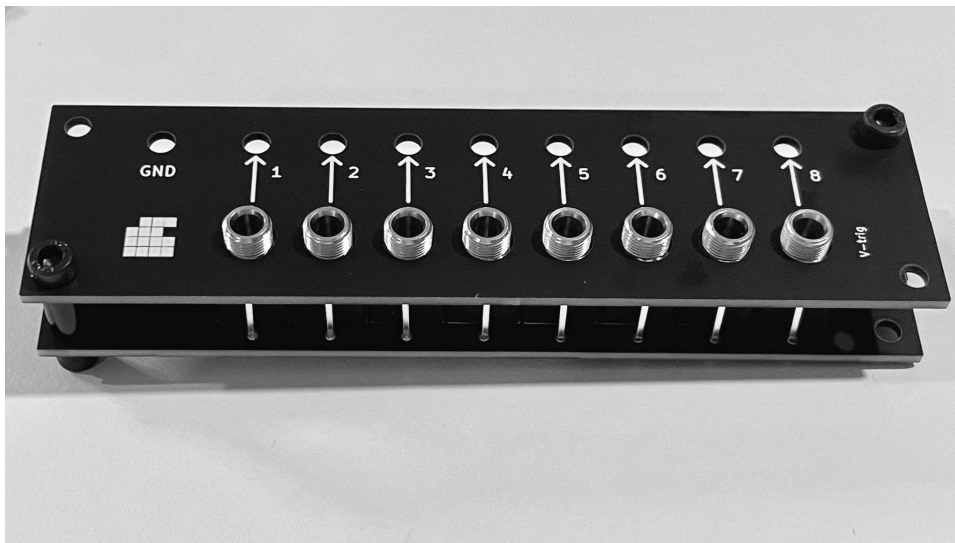
Take PCB, 2 short spacers, 2 long spacers and 2 panel screws and attach them to opposite corners of the PCB as shown. The short spacer will be on the bottom side of the PCB and the long spacer on the top side.



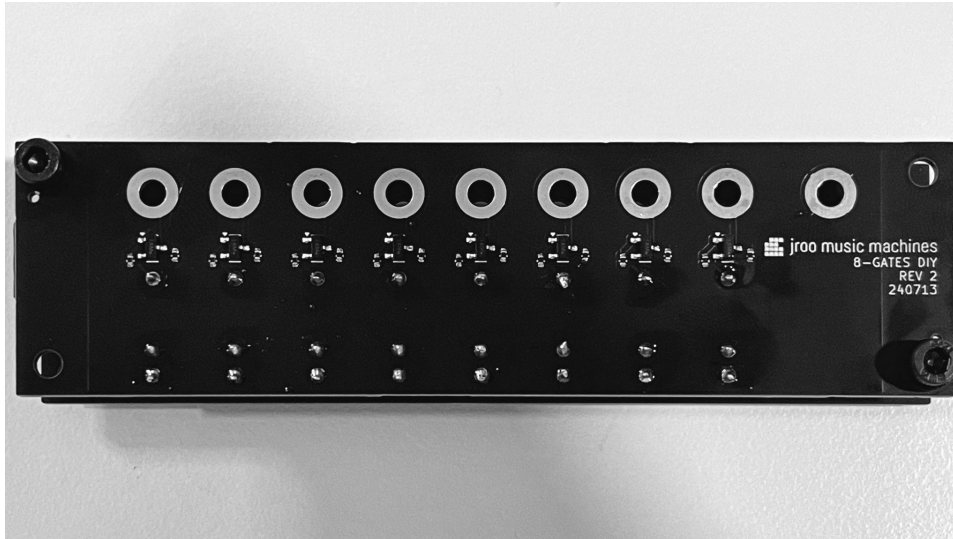
Add 8 jacks to top side of PCB (where long spacers are) *but do not solder them yet.*



Keep jacks in place by placing the top panel on top of them and tightening the panel with two more panel screws.



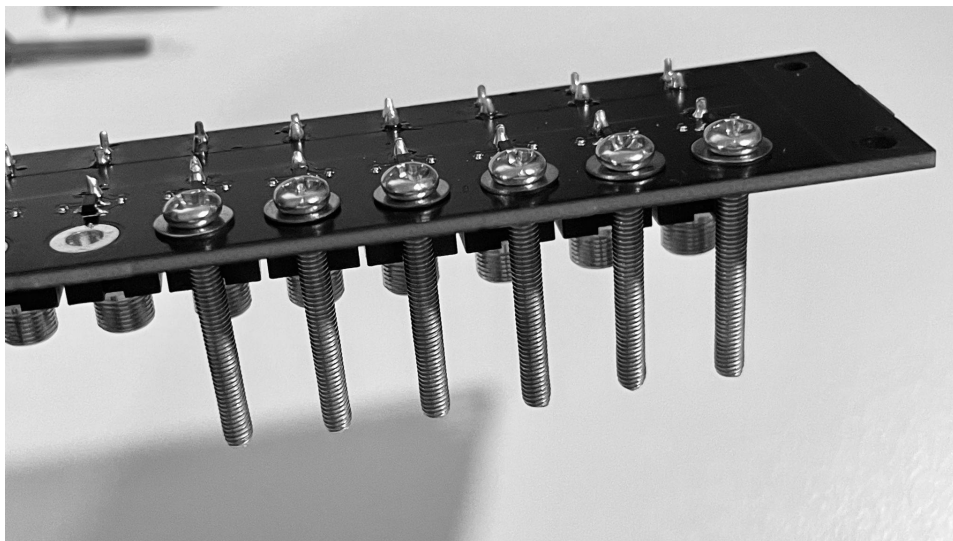
Turn everything upside down to where the bottom of the PCB is showing and solder the jacks to the PCB



Remove spacers, panel screws and top panel

Step 2: Add poles

Add all 9 poles to the PCB by inserting them through the bottom, pointing up in the direction the jacks point





Add hex nut to each of the nine poles on the top side of the PCB and tighten with fingers. Tighten further with an M3 wrench or pliers and a screwdriver. **Holding the nut with pliers can result in slipping and scratching the PCB. If you go this route, it's highly recommended that you put tape around the metal on the pliers to decrease the odds of scratching the PCB!**

Step 3: Add spacers and panels

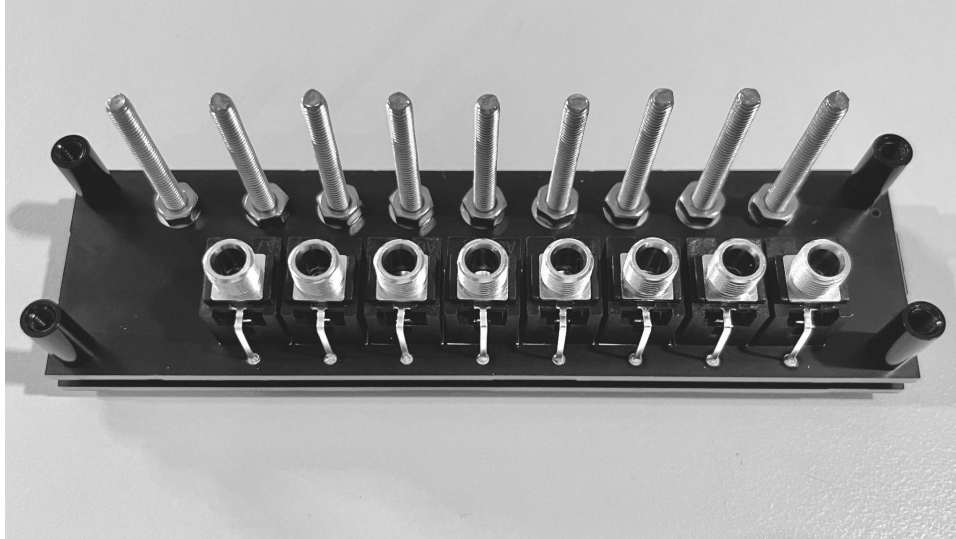
Add 4 panel screws through the bottom of the bottom panel facing upward and then add four short spacers to the top of the bottom panel. Orient the bottom panel to where the jroo music machines logo is on the left and facing down and not visible.



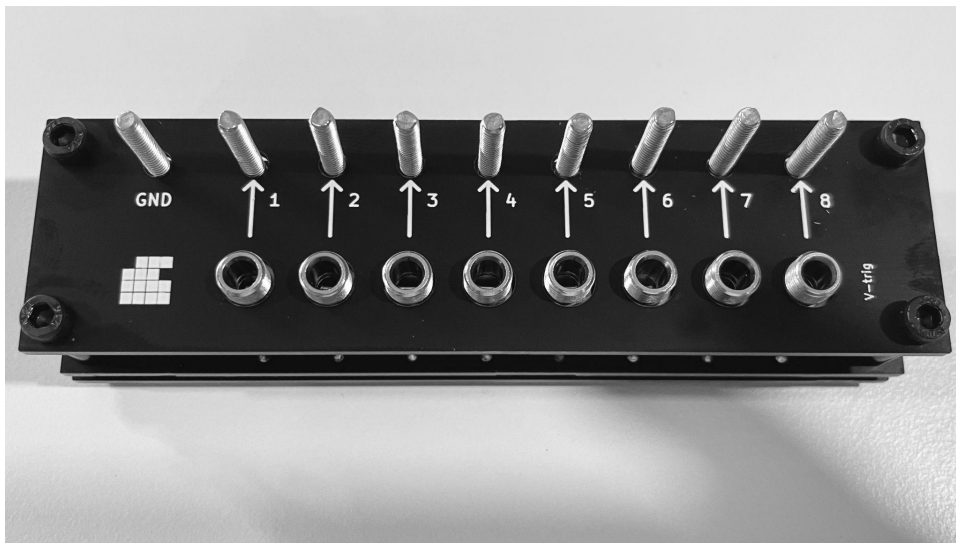
Orient the PCB to where from your perspective jacks are below screws and rest the PCB on top of the small spacer with each of the 4 panel screws sticking through each of the four corner holes of the PCB



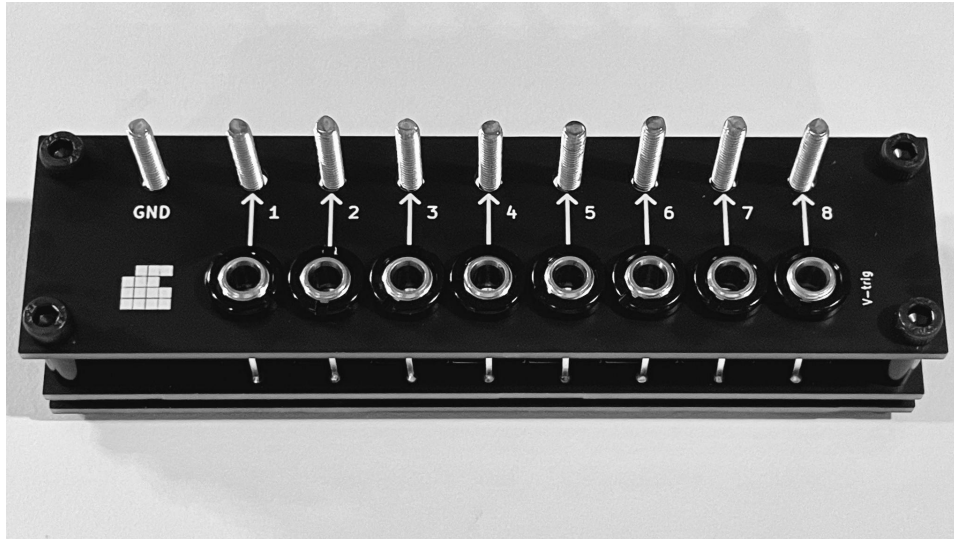
Screw a long spacer to each of the four screws sticking through the PCB



Add the top panel and with your fingers, screw four more panel screws into the long spacers through the holes of the top panel



With the flat side of the nut facing down and the notches up, add and hand tighten the 8 jack nuts to each of the jacks



Congratulations! You're all set. If you run into any trouble, be sure that you soldered correctly, the nuts for the poles are tight and that you follow the troubleshooting advice in the 8-GATES manual.

Thanks and enjoy.

 jroo music machines

<https://jroo.co/products/8-gates>

Designed and packaged in Canada

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Build guide version: 20240809