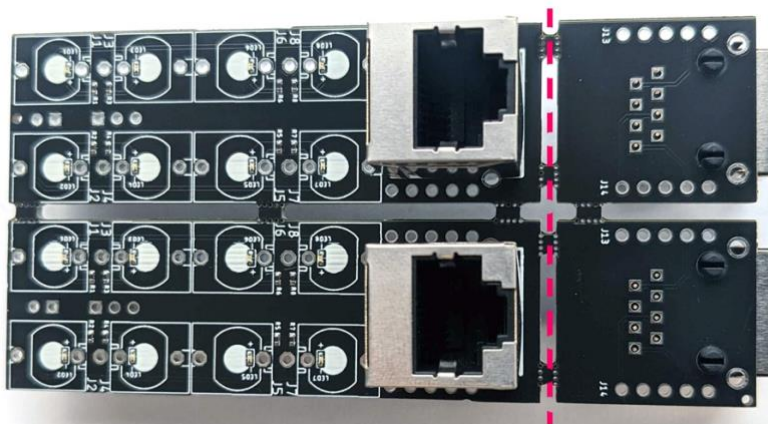


## Plum Audio – 1U RackPlumber Build Instructions

Open the kit and you should find that there are 4 PCBs attached together with ethernet sockets already sitting on the PCBs. Note: the ethernet sockets are attached but haven't been soldered yet.

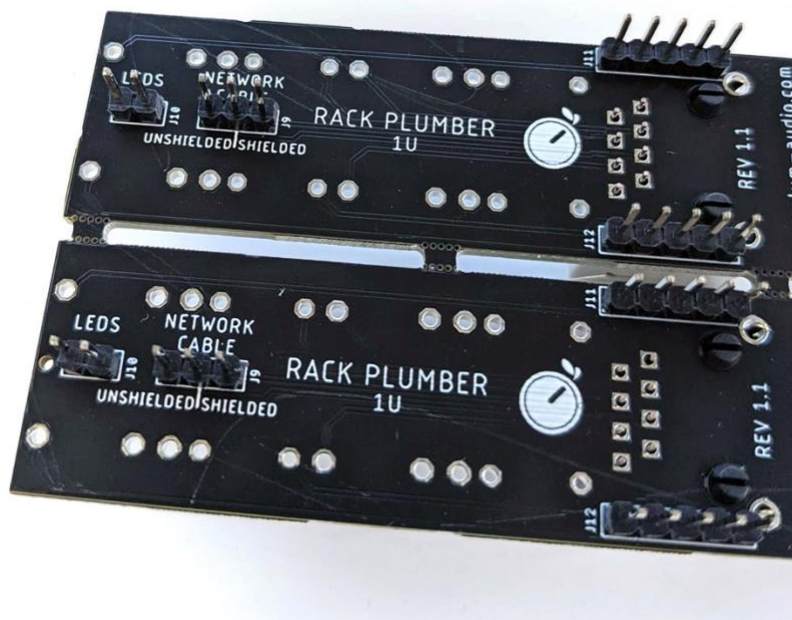
1. First break off the smaller PCBs from the longer ones by breaking along the line shown below. You can keep the smaller PCBs attached together for now and put them away to one side.



2. Place and solder the two 1x3 and 1x2 male headers at J9 and J10 on each long PCB. Solder one of the pins of each header first, and then make sure the header is sitting flush to the PCB before soldering the rest.

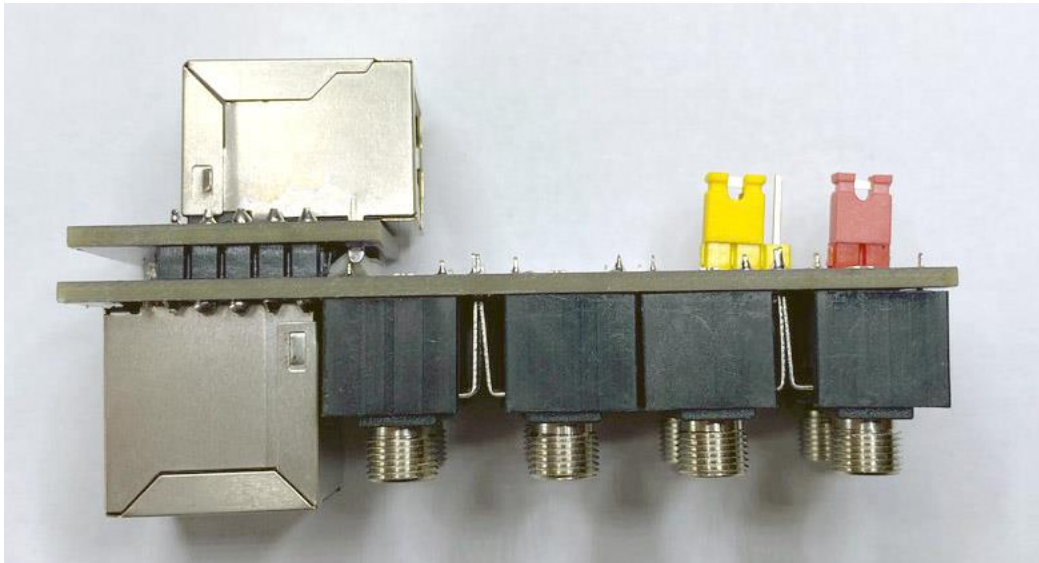


3. Then place and solder the four 1x5 male headers on the same side as the other headers, at J11 and J12. This time solder the 2 outside pins first and then check each header is flush to the PCB before soldering the rest of the pins.



4. Now separate the two long PCBs from each other, and place but don't solder yet the 16 x jack sockets. The sockets are placed on the same side of the PCB as the ethernet sockets. Note: the longer ground pin of each jack shares a hole with the socket next to it (J1 with J3, J6 with J8 etc). Take your time to place the jacks carefully ensuring that each ground pin is correctly inserted.
5. Now attach the 2 x frontpanels and attach the nuts onto the jacks to hold each panel in place. Once everything is secure you can turn over and solder all the jack pins and the vertical ethernet sockets as well. Note: Be careful not to touch the male headers with your soldering iron when soldering the pins of the ethernet socket. Rotate the PCB so you have a good angle to solder from and be attentive and accurate with your iron placement.

6. Next take the 2 smaller PCBs and solder the two right-angle ethernet sockets in place.
7. Next break apart the two smaller PCBs (if you haven't already) and then place the small PCBs so that they sit on the 5 pin male headers as shown below – **NOTE: orientation is vital:** Place the PCB with the socket facing inwards towards the other headers. When the PCBs are sitting flush you can solder the male pins onto the small PCBs.



8. Finally place a jumper onto each of the 3 pin headers according to the type of cable you're going to use (the included cable is shielded). And insert the other jumper onto the LEDs header. If at any time you want to disable the jack LEDs, you can remove 'LEDS' jumper.