

Plum Audio –VASAT Build Instructions v1

1. First place and solder the 2x5 pin power header – the header sits on the same side of the PCB as most of the pre-soldered SMD components and the text saying ARBA. Solder two corner pins first and then check that the header is sitting flush to the PCB. If it's not sitting flat, then you can reflow the solder joints as required and adjust before soldering the remaining pins.
2. Next split the single 2 pin header in half and solder a single pin to the CHAIN OUT and CHAIN IN markers (JP1 + JP2). These pins should be mounted on the same side and facing the same way to the power header.
2. Now turn the PCB over and place but don't solder yet the 8 x jack sockets, 2x buttons and 2x B10K Pots. These components are placed on the opposite side of the PCB to the headers.

Note:

- The longer ground pin of each jack socket shares a hole with the socket directly next to it. Take your time to place the jacks carefully, ensuring that each ground pin is correctly inserted.

- The buttons should be placed paying attention to the correct orientation as pictured with the notch in the switch lining up with the notch on the PCB.



3. Now place the front panel and insert the light pipes. Use the provided heat shrink to isolate the LED's from one another as well as securing them to the panel. Attach all nuts and washers to hold the panel in place.
4. Once everything is secure you can turn over and solder all the pins, there should be 32 in total.
5. Finally attach the power cable – making sure that the red stripe faces towards the white stripe on the PCB silkscreen with the text 'RED STRIPE'.
6. Use the VASAT manual to learn about the functions of the module and its expandable capabilities.

<https://diy.plum-audio.com/projects/manuals/VASAT.pdf>