

SVVALBARD



SVVALBARD is a 18hp, 3 channel broken delay and no-input mixer, with both series and parallel outputs. Each output has dedicated filters for each filter and cv control over delay time. As well as being used as a “standard” broken delay it can also be used as a no input mixer (similar to Shakti) patching one (or several) outputs into one of its inputs. Then patch out from any of the outputs you are not using. Manipulating delay time and filters will have a huge effect on the sound. The delay section can be used either in series or parallel, patching into channel one and patching out of channel 3 will give you the signal in series (sound passing through all 3 delays in series giving you long delays). Patching into 1 channel and out of the same channel will give you parallel delays (which means you can use this with three different sound), mix output will always give you all three delays in parallel.

Build guide:

Building this is pretty straight forward since all SMD components are pre-soldered:

Place the power connector according to the silk screen and solder it in. Make sure no joints are touching.

I then usually place the potentiometers first and solder only one pin from the top of the board, That way they will not fall off when we turn the PCB. Watch out touching the SMD components with your iron in crowded areas. Then I do the same with all jacks, just soldering the ground connector (the one that is sticking out form the jack and has a square pad). Double and triple check that all solder joints on the connectors look good and that all pins are properly soldered in. If you have some type of magnification that usually helps.

I then place the switch but don't solder any pads on those, let them wiggle but don't fall out.

Mount the panel, align the switches so they are straight, pots and jacks as well. Solder everything in. Double check, plug it in, voila!



BOM

Designator	QTY	INFO	Product link
J1-J10	10	Thonkiconn jacks	https://www.thonk.co.uk/shop/thonkiconn/
RV1-12	12	100k Lin Pot T18 9mm Alpha	https://www.thonk.co.uk/shop/alpha-9mm-pots-vertical-t18/
SW1	1	ON-ON SPDT	https://www.taydaelectronics.com/mini-toggle-switch-spdt-on-on.html
For RV-1-12	12	Must be Black	https://www.thonk.co.uk/shop/micro-knobs/
SV1	1	10pin eurorack header	