

Bill Of Materials

Part	Quantity	Link
Dual VCA PCB & Panel	1	https://duskwork.net/shop.html
AS3360D (SOIC-16)	1	https://www.thonk.co.uk/shop/alpha-as-series-ic-chips/
Potentiometer knobs (D-shaft)	3	https://www.thonk.co.uk
100k Potentiometer (wave-mixer)	2	
3mm Amber LED	2	https://cpc.farnell.com/multicomp-pro/mc1034bd/led-3mm-70-amber/dp/SC15402
3.5mm Socket	6	https://www.thonk.co.uk

Tools required

Soldering Iron

Solder

Side cutters

Multimeter

| DUSKWORK.NET | Dual VCA Build Guide

Step 1: Solder in the AS3360 VCA chip. Make sure to match pin 1 on the IC (the one with the white dot), with pin 1 on the PCB (found by the indent on the PCB component outline).

Step 2: Turn the PCB over and insert every other component without soldering just yet - that bit comes next. First, we need to align all the components and line them up with the front panel. Only solder these once you're happy with the fit of each part - and don't forget the LEDs!

LED orientation: Negative leg faces the bottom of the board.

Step 3: Place all washers on pots & the front panel & tighten the nuts. Once they're secure, solder every piece whilst making sure nothing has fallen out of place.

Step 4: Double check everything is in the correct orientation & inspect for any accidental solder splashes that could short something.

Step 5: Hook it up to your power supply & test!

And that's all folks!