

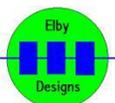


ASM316 Dual VCA

Construction Guide

Revision 1.0

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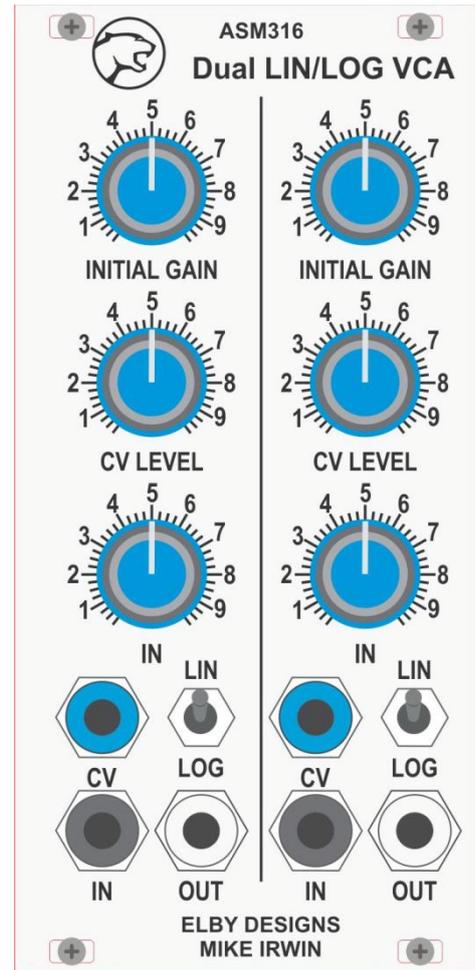
Construction of the [ASM316](#) requires the assembly of 2 boards:-

Column 1 – ASM316 Column 1 PCB ([3D Model](#)) ([PCB Overlay](#))

Column 2 – ASM316 Column 2 PCB ([3D Model](#)) ([PCB Overlay](#))

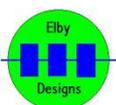
Constructors should refer to the PCB overlays for any specific comments regarding the board assemblies, the [Bill of Materials](#) for the current value of all components and [General Construction Notes](#) for general PCB assembly guidelines.

1. Assemble the 2x switch assemblies ([3D Model](#)), and the 2x jack assemblies ([3D Model](#))
2. Fit all components to the boards following normal assembly guidelines except for all the sub-assemblies, HDR1 and the 5x jumpers.
3. For [Column 1](#), fit wire links in the position marked 'VCA-1'
4. For [Column 2](#), fit the links in the opposite positions.
5. Mount the 2x sub-assemblies to the Column 2 board and then offer the assembly up to the front panel and secure the using the supplied nuts and washers
6. Solder the sub-assemblies in to place.
7. Remove the Column 2 assembly
8. Mount the 2x sub-assemblies to the Column 1 board and then offer the assembly up to the front panel and secure using the supplied nuts and washers
9. Solder the sub-assemblies in to place
10. Insert and solder HDR1 in to its location on the Column 1 assembly.
11. Carefully fold HDR1 in to a concertina shape.
12. Offer the Column 2 assembly up to the front panel while carefully inserting the pins on HDR1 in to their location on the underside of Column 2.
13. With Column 2 installed and secured, and HDR1 sitting correctly, solder it in to position.



Calibration

The ASM316 does not require any calibration or set-up and should work straight away



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