

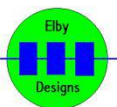


ASM308 CV Mixer

Construction Guide

Revision 1.1

May 1, 2020



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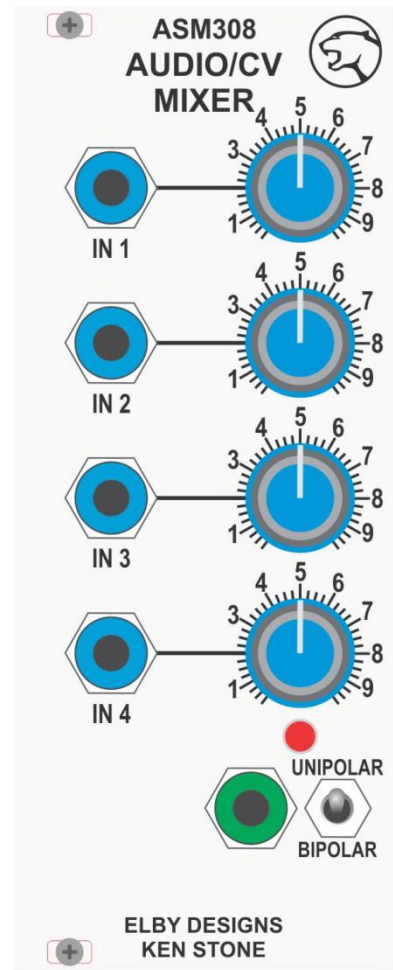
Construction of the [ASM308](#) requires the assembly of 2 boards:-

Column 1 - CGS733A PCB ([3D Model](#)) ([PCB Overlay](#))

Column 2 - CGS733B PCB ([3D Model](#)) ([PCB Overlay](#))

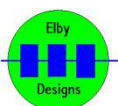
Constructors should refer to the PCB Overlays for any specific comments regarding the board assemblies, the [Bill of Materials](#) for the current value of all components and [General Construction Notes](#) for general pcb assembly guidelines.

1. Assemble S101 and its Carrier board ([3D Model](#))
2. Fit all components to the boards following normal assembly. Ensure that you mount R101, R103, R105, R107 & R109 on the Column 1 PCB flush to the board
3. Mount the S101 assembly on to its header and offer up to the front panel securing all panel components using the supplied nuts
4. Solder the S101 assembly in to place
5. Mount the Column 1 assembly
6. Connect the 2 assemblies using the supplied IDC cable



Calibration

1. Set [IN 2], [IN 3] and [IN 4] LEVEL controls to their minimum position
2. Set [IN1] LEVEL control to the '9' position
3. Set the mode switch to [UNIPOLAR]
4. Apply a 100Hz 10Vp-p DC signal to [IN 1]
5. Adjust P105 until the LED is just extinguished.



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