

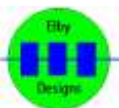


ES01 Random Voltage Generator

Construction Guide

Revision 1.1

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ES01 Random Voltage Generator

Construction of the ES01 requires the assembly of 3 boards:-

Column 1 - ES02 PCB ([3D Model](#))

Column 2 - ES01 Column 2 PCB ([3D Model](#))

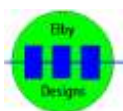
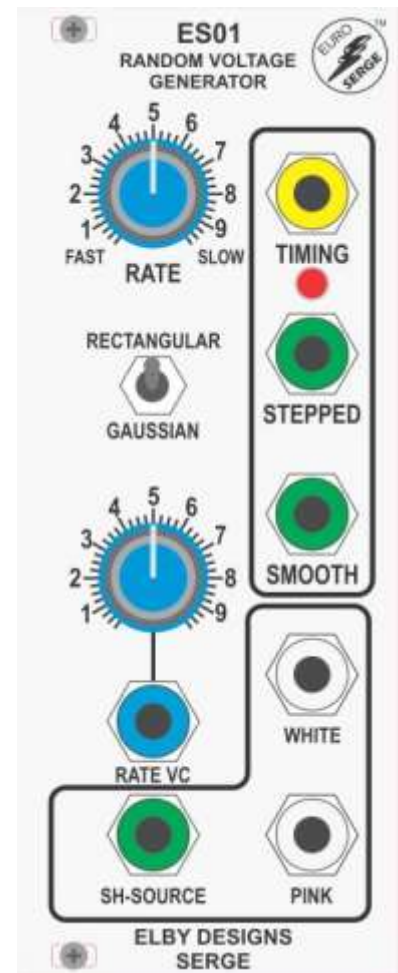
Backboard - ES01 PCB ([3D Model](#))

Constructors should refer to the printed Component Overlay for any specific comments regarding the board assembly, the Bill of Materials for the current value of all components and [General Construction Notes](#) for general pcb assembly guidelines. You are advised to check all of these documents on our website to ensure you have the latest copy.

1. Assemble the 2x Jack Carrier Board assemblies ([3D Model](#))
2. Assemble the 1x Switch Carrier Board assembly ([3D Model](#))
3. Mount the 3x sub-assemblies on to their headers on the Column 1 pcb and then offer the assembly up to the front panel and secure using the supplied nuts
4. Solder the sub-assemblies in to place
5. Remove the pcb
6. Install the Column 2 pcb to the front panel
7. Mount the LED and solder in to place
8. Refit the Column 1 pcb
9. Mount all components on to the ES01 pcb
10. Fit the ES01 to the assembly

Calibration

Monitor the [PINK] output and adjust P101 for maximum undistorted output



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