

## CV 1.2 to 1V/oct

The CV 1.2 to 1V/oct scales CV from the 1.2V/oct Buchla standard to the 1V/oct standard.

The circuit works with +/-12V or +/-15V.

The board can be soldered directly to a Cliff minijack socket and installed to a boat or panel or mounted with a screw (3.2mm mounting hole). If the minijack is not used, the output should be wired to the out pad.

The input can be wired either directly to a module's CV output or to a banana socket.

Ignore the resistor values silkscreened on the early boards and refer to the BOM and reference designator below.

### Scale

Adjust the 100 ohms multiturn trimmer playing octaves in order to get the right output voltages (a few mV drift is ok).

input	output
1.2V	1V
2.4V	2V
3.6V	3V
4.8V	4V
6V	5V
7.2V	6V
etc	

Thank you and happy building !

### Disclaimer

*This circuit is tested and safe as long as built and used as it should. I assume no liability for issues, damages, accidents... Double check the output before connecting it to a module for the first time. Build and installation is at your own risk and should only be done by people experienced in electronics who know what they're doing. If in doubt, don't do it.*

### BOM

Part	Quantity	Supplier suggestion
		The parts are also available from other suppliers
<b>Resistors</b>		<a href="#">Tayda</a>
330	1	
1M (instead of the 12k and 12k4 silkscreened values)	4	
100 ohms 3296W multiturn trimmer	1	<a href="#">Tayda</a>
100nF multilayer ceramic capacitor	1	<a href="#">Tayda</a>
LM358 or TL072	1	<a href="#">Tayda</a> or <a href="#">Tayda</a>
DIP8 IC socket	1	<a href="#">Tayda</a>
Cliff CL1384 mono jack socket PC mount	1 (optional)	<a href="#">TME</a>

