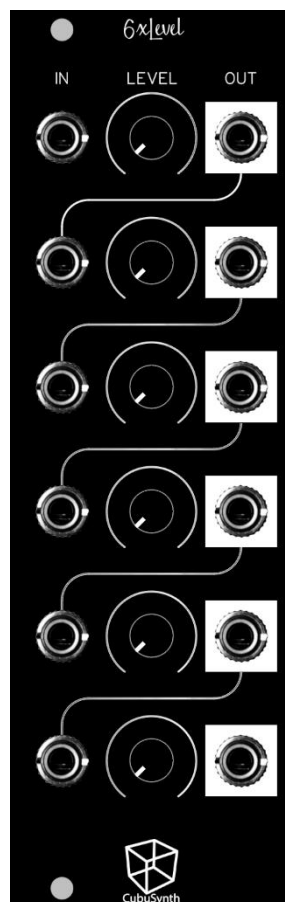




CubuSynth

6xLevel

6 Passive Attenuators with normalized Inputs



Build Guide

PCB V1.0 Dec 2021

Written and Illustrated by Ruben Sponar

Introduction

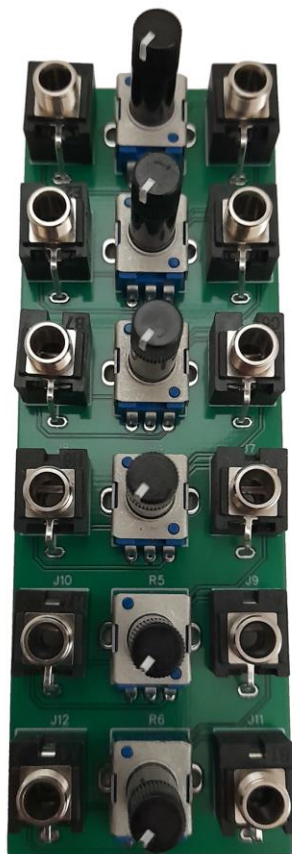
The CubuSynth 6xLevel module is a 8hp passive Attenuator, which allows scaling of CV and audio signals. The inputs are normalized from the outputs above, which allows passive multiplication with attenuation. The normalized path is attenuated by the potentiometer before, so you can also create very subtle changes (e.g. Fine tune a VCO).

The white lines on the Front panel mark the normalisation routing.

Note, that it is a passive module, for multiplying non-precise voltages. It is recommended to not use more than 3 Outputs from the same input.

BUILD GUIDE

Place all components (12 Jacks + 6 Tall Trimmer Pots), place the front panel, so all controls go into each corresponding hole of the panel. Put all the nuts on the Jacks and tighten with your fingers. Then carefully flip the board around and solder everything.



Congratulations, now you can install the module in your rack and have fun patching!

If you have trouble with your build, you can contact us at:

cubusynth@gmail.com

For better support, please include pictures of your soldered board, front+back.

<https://www.cubusynth.com>

<https://www.etsy.com/shop/CubuSynth>

<https://www.facebook.com/cubusynth>

https://www.instagram.com/cubusynth_modular/

<https://www.youtube.com/@cubusynth>