## LPZW.MODULES WK7 Manual v1.0 2025

WK7 is a 2HP wide Eurorack compatible dual linear VCA.

It offers extensive normal internal connections that can help to create functions otherwise only possible with the help of further utility modules.

While both VCAs work identically, the first VCA with red markings also features an attenuator knob for its CV input.



LPZW.WK 7

The illuminated knob can light up red and blue! The red colored LED represents the VCA1 control and the blue colored LED represents the VCA2 control. Both can light up at the same time mixing to a more purple color, when both VCAs are open.

Each VCA has three jacks: input, output and CV control. Input and CV jacks are accepting voltages typical of a Eurorack system. The working range of the VCA path is +/- 10V, while the CV input attenuates the most at and under OV and



## Switched [normalled] connections:

- Input 1 is normalled to Input 2, i.e. if Input 2 is unpatched the signal present at Input 1 will also be passed thru VCA2.
- Output 1 is normalled and mixed to Output 2, i.e. if Output 1 is unpatched the signal passing thru VCA1 is mixed with the output of VCA2.



- CV 1 is normalled to CV2 **but** reversed before doing so, i.e. the CV voltage is flipped so that VCA2 does exactly the opposite of what VCA1 does.
- 5V are normalled to CV1, i.e. if nothing is patched the VCA can be controlled by the attenuator knob

## Specifications:

- 2HP, wide
- 22mm depth below panel
- Max power: 12V at 60mA and -12V at 20mA
- Max VCA gain 1:1 at 5V CV input, max. attenuation at 0V and below

opens the most at and over 5V. The maximum gain of the VCAs is 1:1.



## Patch examples: