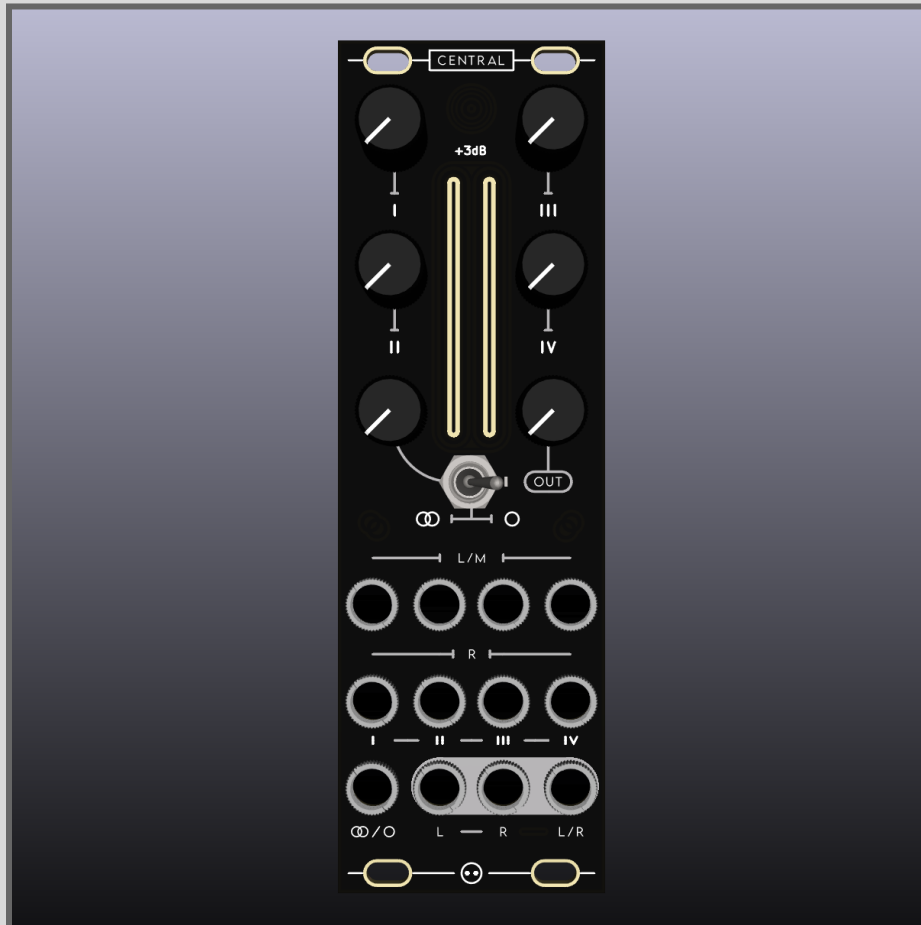


# NOH



# CENTRAL

V1.0

## Specs-

The NOH Modular Central is a stereo mixer and a stereo voltage metre with versatile inputs and outputs. It has the following specs:

- Height- 3U
- Width- 8HP
- Depth- 27mm
- Power- +12V (30mA) // -12V (30mA)

## Description-

There are four inputs with independent left / right channels, the left one normalising to the right for mono compatibility. The fifth input can work as a stereo input or a mono input depending on the switch. The output has independent left / right channels and a stereo output.

Finally, the module has a stereo voltage indicator.

## Giving Power to the Module-

Supplying voltage to the module requires a 10-pin (5x2) ribbon cable. The cable should be connected to the header on the back of the module. **Care should be taken in matching -12V, usually associated with the red stripe on the ribbon cable, to the “-12V” or the stripe indication on the board.**

## Printer Friendly Version-

To print this document on paper, the grey background might not be a good thing for a printer.

You can download and print [THIS VERSION](#) instead.

## INPUTS AND VOLUME -

- The four stereo inputs have independent left and right jack inputs.
- The jacks on the 'L/M' row can act as mono inputs if nothing is plugged in the 'R' input.
- Inputs are numbered and have respective control over volume (**there might be some slight bleed even when attenuated to the maximum**).



## STEREO/MONO INPUT -

- This input has the benefit of being both a stereo or a mono input depending on how the user sets the switch. This means that a stereo cable can be plugged into this input.
- **PATCH TIP:** the user can chain several Central modules by plugging the 'L/R' output to this input, or have external stereo gear mixed in.



## OUTPUT AND VOLUME -

- Central outputs the mixed signal in two different ways. The first is separate left and right channels on two jack outputs. The other way is by outputting both channels through a stereo jack output, 'L/R' on the front panel.

- **PATCH TIP:** The user can plug the stereo output into external gear or headphones. **The user should always be careful of how high the signal is, the stereo outputs have an impedance of 1k $\Omega$ .**



## STEREO VU METRE -

- The stereo metre displays the positive level of both channels with a resolution of 6 steps, the 'OUT' volume control will not attenuate the display.

- Each step will light up at the following thresholds:

-	1	[V]	~	-14	[dB]
-	2	[V]	~	-8	[dB]
-	3	[V]	~	-4	[dB]
-	3.8	[V]	~	-2	[dB]
-	4.8	[V]	~	+0	[dB]
-	7.4	[V]	~	+3	[dB]

The reference level for the conversion [dB] is 5V.

