



2x STEREO ATT

Manuel V1.0

- Double passive attenuator for stereo signals
- Multiple pre attenuation according to connections

The potentiometers are logarithmic curve (optimized for audio signals).

What's the difference between a lin and log pot and why we utilise this:

Linear:

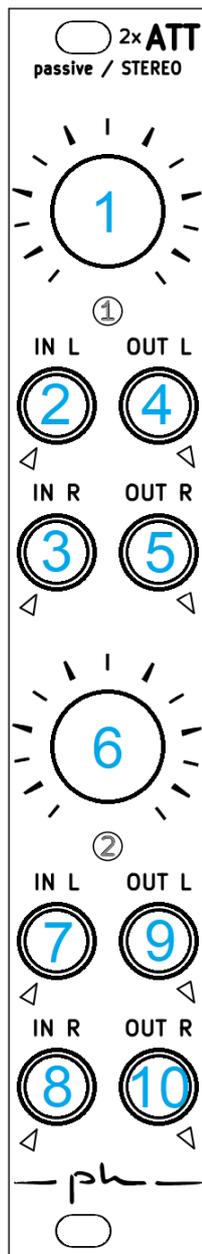
The resistance of this type of potentiometer varies linearly, that is to say that the value of its resistance increases (or decreases) proportionally when moving the cursor. It is used, for example in a variable voltage source. Ideal for logic signals, CV, LFO etc ...

Logarithmic:

The resistance of this type of potentiometer varies exponentially, that is to say that the value of its resistance increases (or decreases) more and more rapidly when the cursor is moved. Ideal for AUDIO sources, for sound volume adjustments, to adapt to the characteristic of the human ear, which has a logarithmic response to the pressure that the air exerts on the eardrums.

It is therefore this last type of potentiometer that equips this module.

Presentation



1: Stage 1 attenuation potentiometer

2: Left channel 3.5 jack input

3: Right channel 3.5 jack input

4: Left channel 3.5 jack output

5: Right channel 3.5 jack output

6: Stage 2 attenuation potentiometer

7: Left channel 3.5 jack input

8: Right channel 3.5 jack input

9: Left channel 3.5 jack output

10: Right channel 3.5 jack output

Explanations

The stereo signal entering IN L & R is directed to its dedicated output (OUT L & R), the level can be dosed via the attenuation potentiometer.

Normalization: If you do not connect a cable to the IN L&R inputs of stage 2, the signal entering the stage 1 IN L&R is also routed to the OUT L&R outputs of stage 2. If you connect a cable to the input IN L&R of stage 2, the link is broken and this stage becomes independent.

Since the left and right channels are separate, you can insert two mono signals at IN L&R, they will come out respectively at OUT L&R, with the same amount of attenuation...

Characteristics

Size 4hp (2 cm), epoxy black panel 1,6 mm.

Deep : 12mm with connector.

PCB in epoxy FR4 dual layer, 1,6 mm. Surface finish HASL.

Ribbon cable, M3 and nylon nuts inc.

No consumption (passive module)

Components tested and assembled by hand, in Brittany, France.

*thank you for your trust
Feel free to give me your opinion, criticism or wishes ...
Other modules are coming*

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<https://phmodular.com>