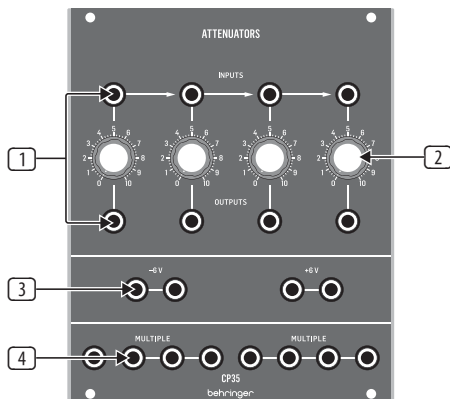


Quick Start Guide

CP35 ATTENUATORS

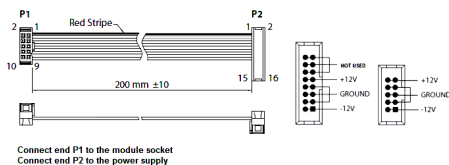
Legendary Analog Attenuator and Multiples Module for Eurorack

Controls



- 1 **IN and OUT JACKS** – A single input connected to the first attenuator will pass to all 4 outputs. Additional inputs will break the chain from the previous input. For example, input 1 will initially feed all 4 outputs. If you add a signal to input 2, then input 1 will only feed output 1, and input 2 will feed outputs 2, 3, and 4.
- 2 **ATTENUATOR KNOBS** – Adjust the level of the input signal passively from $-\infty$ to unity (0 dB).
- 3 **6 VOLT OUTPUTS** – These outputs give a reference voltage of -6 Volts on one output pair, and +6 Volts on the other pair.
- 4 **MULTIPLES** – Connect an input signal to one of the 4-jack sections, then send up to 3 copies of the same signal to other devices.

Power Connection



The module comes with the required power cable for connecting to a standard Eurorack power supply system. Follow these steps to connect power to the module. It is easier to make these connections before the module has been mounted into a rack case.

1. Turn the power supply or rack case power off and disconnect the power cable.
2. Insert the 16-pin connector on the power cable into the socket on the power supply or rack case. The connector has a tab that will align with the gap in the socket, so it cannot be inserted incorrectly. If the power supply does not have a keyed socket, be sure to orient pin 1 (-12 V) with the red stripe on the cable.
3. Insert the 10-pin connector into the socket on the back of the module. The connector has a tab that will align with the socket for correct orientation.
4. After both ends of the power cable have been securely attached, you may mount the module in a case and turn on the power supply.

Installation

The necessary screws are included with the module for mounting in a Eurorack case. Connect the power cable before mounting.

Depending on the rack case, there may be a series of fixed holes spaced 2 HP apart along the length of the case, or a track that allows individual threaded plates to slide along the length of the case. The free-moving threaded plates allow precise positioning of the module, but each plate should be positioned in the approximate relation to the mounting holes in your module before attaching the screws.

Hold the module against the Eurorack rails so that each of the mounting holes are aligned with a threaded rail or threaded plate. Attach the screws part way to start, which will allow small adjustments to the positioning while you get them all aligned. After the final position has been established, tighten the screws down.

Specifications

Controls

Attenuators	4 x passive rotary attenuators
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Signal Input

Type	4 x 3.5 mm jack, half normalised, DC coupled
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Impedance	< 25 k Ω , unbalanced
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Maximum input level	+20 dBu
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Signal Output

Type	4 x 3.5 mm jack, DC coupled
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Impedance	< 25 k Ω , unbalanced
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Maximum output level	+20 dBu
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Multiples

Type	8 x 3.5 mm TS mono jacks, unbalanced
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Arrangement	2 sets of 4 parallel jacks, passive
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Compatibility	CV and audio signals
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6 V Voltage References

Negative 6 V output	2 x 3.5 mm jack, linked
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Positive 6 V output	2 x 3.5 mm jack, linked
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Impedance	5 k Ω
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Power

Power supply	Eurorack
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Current draw	1 mA (+12 V), 1 mA (-12 V)
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Physical

Dimensions	106 x 129 x 35 mm (4.2 x 5.1 x 1.4")
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Rack units	21 HP
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Weight	0.18 kg (0.40 lbs)
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