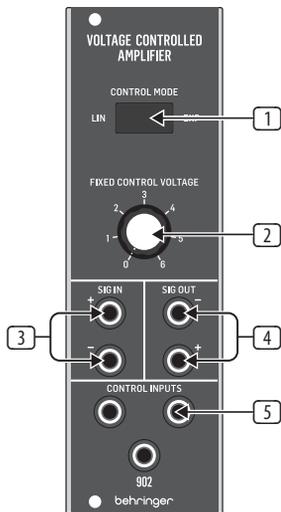


# Quick Start Guide

## 902 VOLTAGE CONTROLLED AMPLIFIER

Legendary Analog VCA Module for Eurorack

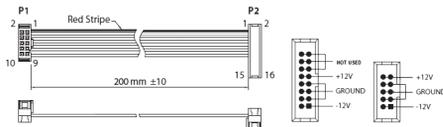
### Controls



- 1 **CONTROL MODE (LIN/EXP)** rocker switch toggles between linear and logarithmic response modes.
- 2 **FIXED CONTROL VOLTAGE** knob allows you to manually set a control voltage.
- 3 **SIG IN** input jacks accept audio and control signals over cables with 3.5 mm TS connectors. These dual inputs allow the unit to amplify two signals simultaneously.
- 4 **SIG OUT** output jacks send out amplified audio and control signals over cables with 3.5 mm TS connectors.
- 5 **CONTROL INPUTS** accept control voltage signals from other modules to change the amplification level.

### Power Connection

The 902 VCA 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.



Connect end P1 to the module socket  
Connect end P2 to the power supply

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

Control Mode	Rocker switch Linear / exponential, switchable
Fixed Control Voltage	1 x rotary knob 0 - 6 V, selectable

### Signal Connections

Signal in	2 x 3.5 mm TS jack, mono
Impedance	9 k $\Omega$ unbalanced
Signal out	2 x 3.5 mm TS jack, mono
Impedance	1.1 k $\Omega$ unbalanced
Output noise	< -78 dBu @ unity gain, 22 Hz - 22 kHz
Control inputs	3 x 3.5 mm TS jack, mono
Impedance	100 k $\Omega$ unbalanced
CV input range	-6 V to +6 V

### Power

Power supply	Eurorack
Current draw	50 mA (+12 V), 45 mA (-12 V)

### Physical

Dimensions	40 x 129 x 35 mm (1.6 x 5.1 x 1.4")
Rack units	8 HP
Weight	0.09 kg (0.20 lbs)

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