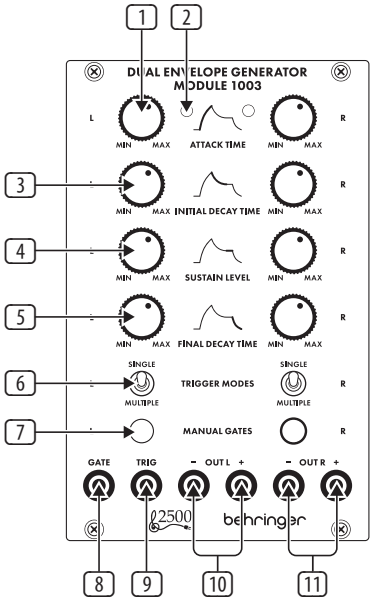
Quick Start Guide

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DUAL ENVELOPE GENERATOR MODULE 1003

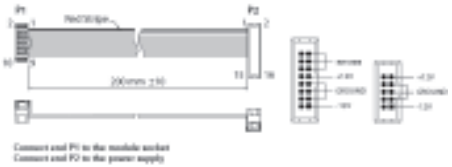
Legendary 2500 Series Dual Envelope Generator Module for Eurorack

Controls



1. **ATTACK TIME** – Adjusts the rate at which the envelope reaches its peak voltage.
2. **SIGNAL LED** – Indicates when a gate signal is present.
3. **INITIAL DECAY TIME** – Adjusts the rate at which the envelope decays from its peak to its designated sustain level.
4. **SUSTAIN LEVEL** – Controls the level at which the envelope remains after its peak but before release, sustaining as long as the input signal is present or the manual gate button is held down.
5. **FINAL DECAY TIME** – Controls how quickly the envelope falls after the input signal stops or the manual gate button is released.
6. **TRIGGER MODE** – Selects between single mode, where only the gate signal controls the envelope, or multiple mode, which uses a positive trigger pulse to re-trigger the envelope while a gate signal is present.
7. **MANUAL GATE** – Press and hold to start the envelope cycle.
8. **GATE**– Connect a gate signal to control the envelope cycle.
9. **TRIG** – Triggers a new attack of the envelope if a gate signal is also present.
10. **OUT L** – Send the left envelope positive and negative control voltage to other modules via 3.5 mm TS cable.
11. **OUT R** – Send the right envelope positive and negative control voltages to other modules via 3.5 mm TS cable.

Power Connection



The unit 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.

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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

Inputs	
Gate	
Type	3.5 mm TS jack, DC coupled
Impedance	>35 kΩ
Gate threshold	+4 V
Max input level	+12 V
Trig	
Type	3.5 mm TS jack, DC coupled
Impedance	>20 kΩ
Trigger threshold	+4 V
Max input level	+12 V
Outputs	
Out A	
Type	2 x 3.5 mm TS jacks, DC coupled
Impedance	1 kΩ
Max output level	-10 V or +10 V
Out B	
Type	2 x 3.5 mm TS jacks, DC coupled
Impedance	1 kΩ
Max output level	-10 V or +10 V

Controls	
Attack	1 ms to 2 s
Initial decay	5 ms to 7 s
Sustain	0 to 10 V
Final decay	6 ms to 8 s
Trigger modes	Single - gate controls envelope Multiple - trigger pulse + gate controls envelope
Manual gate	Envelope cycle start
Power	
Power supply	Eurorack
Current draw	40 mA (+12 V), 20 mA (-12 V)
Physical	
Dimensions	42 x 81 x 129 mm (1.7 x 3.2 x 5.1")
Rack units	16 HP
Weight	0.16 kg (0.35 lbs)

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