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Audiophile Circuits League
Musical Instruments Manufacture

ENVELOPE X3

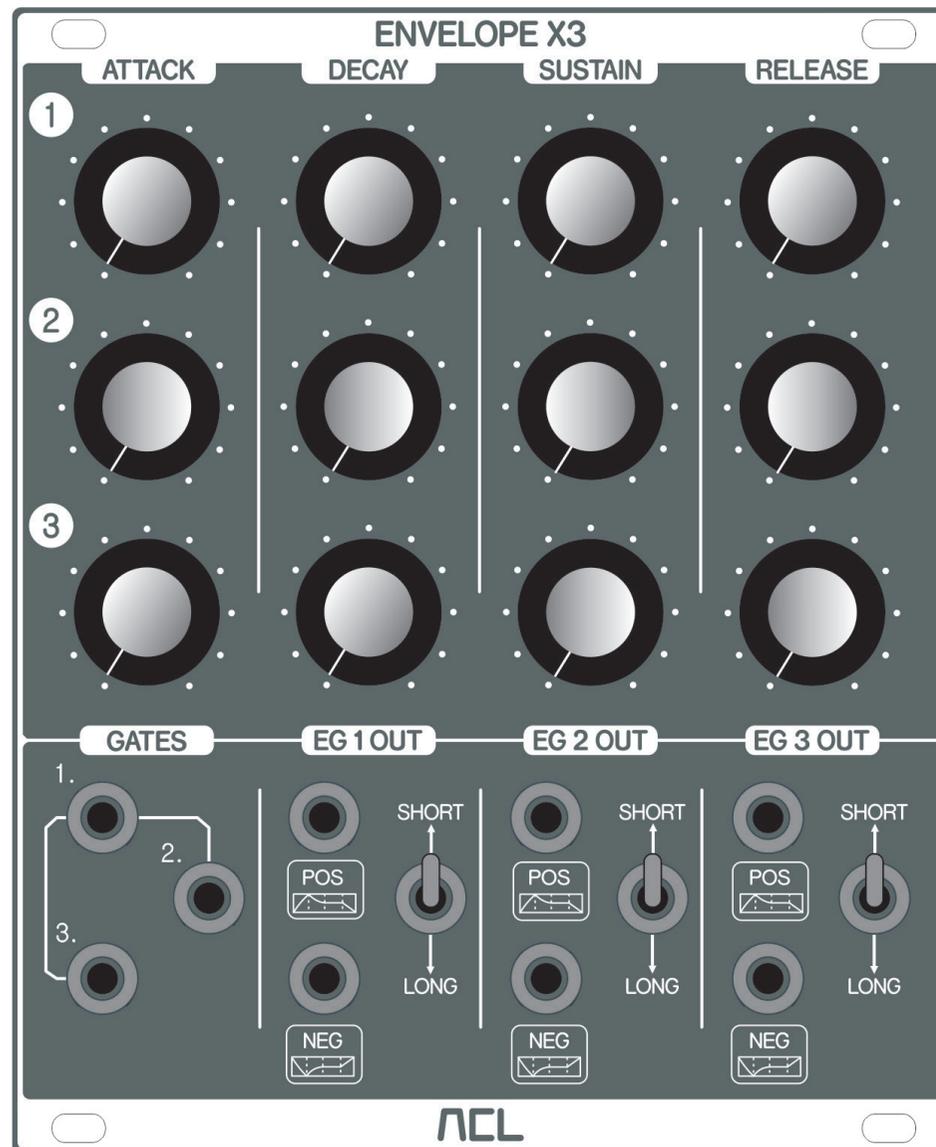# User´s Manual

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1. INTRODUCTION

Audiophile Circuits League. -ENVELOPE X3 contains 3 very fast independent ADSR-Envelopes.

There are 2 different time ranges that are switchable. Every Envelope has got an inverted output.

The Gate-Inputs 2 and 3 are normalized to Gate 1.
(For details about normalization, see section 5. CHARACTERISTICS)

2. WARRANTY

In the event of a fault in use, we will repair or replace it free of charge under the warranty terms stated below. The warranty period is valid for one year from the day of purchase. If repair is necessary, please ask the dealer you purchased it from.

We can not guarantee the incidental damage caused by the breakdown or damage that occurred during use of this product. In addition, warranty will expire in the following cases:

· Failure / damage caused by use of unspecified power supply / accessories.

· Failure / damage caused by incorrect connection or use of power cable.

· Failure / damage caused by improper handling method.

· Failure / damage caused by natural disasters (fire, flooding etc.) and pollution.

· When the cause of breakdown or damage lies in equipment other than this product.

· Failure / damage caused by improper modification, adjustment, parts replacement.

· Failure / damage when used under particularly severe conditions, when loaned/rental/hired out to 3rd party.

Is it a malfunction?

Please read the user's manual carefully and check again. If you think that there is still a problem, please consult the dealer you purchased from or contact us (English) .

support@audiophilecircuitsleague.com

3. INSTALLATION

⚠WARNING

*Always turn the Eurorack unit off and unplug the power cord before pluging the Eurorack power cable.

*When attaching the Eurorack power cable, please be careful not to touch the terminal part.

Connect to the Eurorack's system power supply (+ 12V) using the supplied Eurorack power cable.

Connect the 16-pin connector to the Eurorack power connector. Connect the red mark on the power cable so that it matches the pin on the (- 12 V) side of the power connector.

Connect the 10 pin connector to the shrouded header on the back of the module. The header is protected against reverse-plugging.
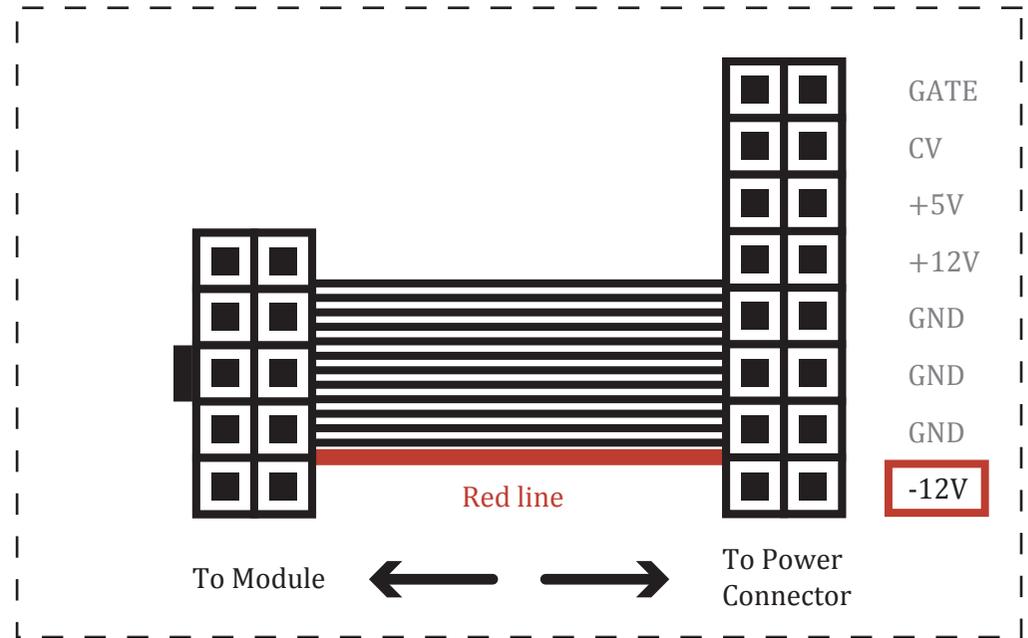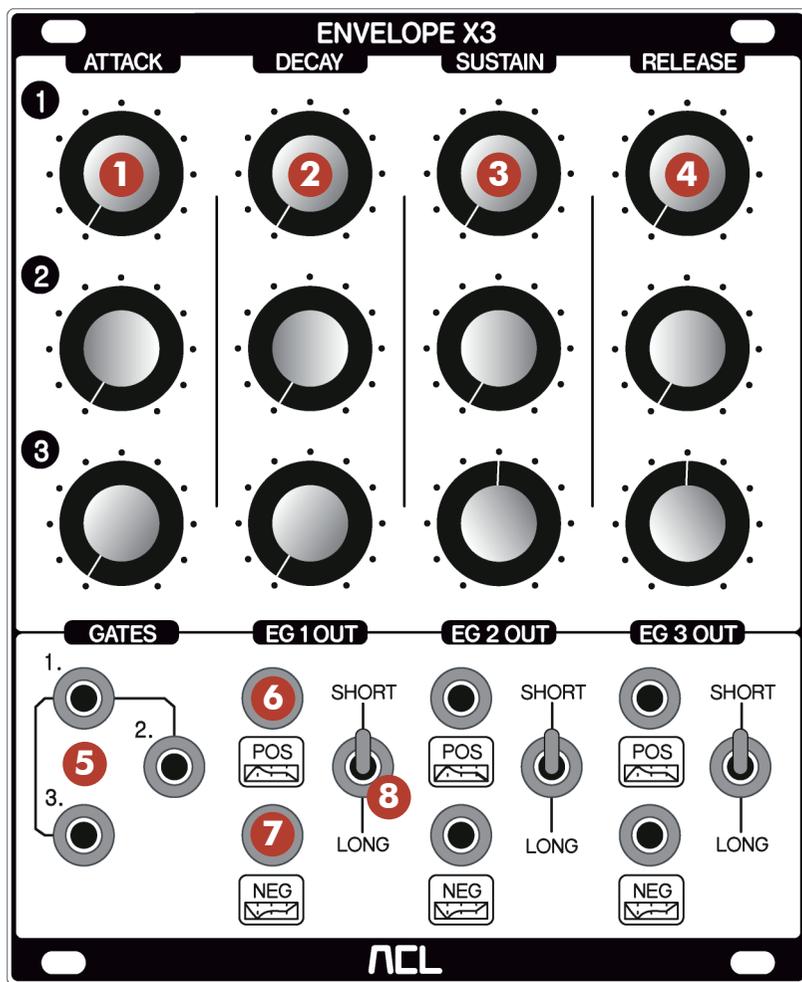

FIG.1：Eurorack power cable

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FIG.2：Front Panel

① "ATTACK" knob

Adjust the attack time.

② "DECAY" knob

Adjust the decay time.

③ "SUSTAIN" knob

Adjust the sustain time.

④ "RELEASE" knob

Adjust the release time.

⑤ "GATE" input jack

Inputs a GATE signal. When using only GATE 1, it is possible to control EG 1, 2, 3 using one GATE signal without inserting cables into GATE 2, 3(Normalize).

(For details, see section 5.CHARACTERISTIC)

⑥ "EG/POS" output jack

It outputs standard envelope.

⑦ "EG/NEG" output jack

It outputs inverted envelope.

⑧ "SHORT/LONG" switch

It is possible to select the operation speed of the envelope from two ranges.

5. CHARACTERISTIC

GATE input 1 is normalized (internally connected) to GATE 2, 3. "Normalization" means that if you are not using GATE 2 and 3, the input to GATE 1 will be automatically duplicated to GATE 2 and 3. In other words, you can control three ADSR from one cable input(See FIG. 3). This feature economizes the need to duplicate signals using external multiple modules.
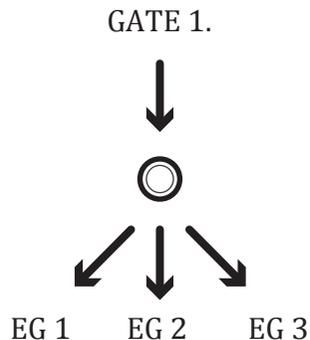
GATE 1.

EG 1   EG 2   EG 3

FIG.3: When using only GATE 1 input (Normalized)

Conversely, when inputs of GATE 1, 2 and 3 are individually plugged in, it is possible to control EG 1, 2, 3 by an independent GATE signal (See FIG. 4).
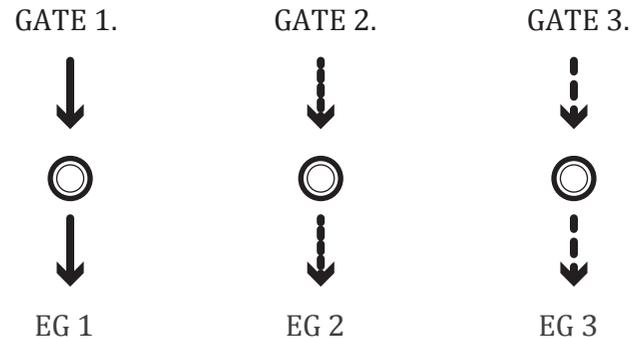
GATE 1.   GATE 2.   GATE 3.

EG 1   EG 2   EG 3

FIG.4: When using GATE 1,2,3 inputs (not Normalized)

GATE 1.   GATE 2.   GATE 3.
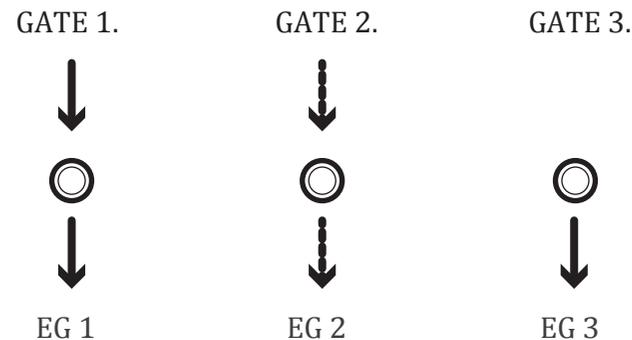
EG 1   EG 2   EG 3

FIG.5. When using GATE 1&2 Input, GATE 3 Input is still Normalized to Input 1.

6. SPECIFICATIONS

Power

Eurorack system power supply

Width

21 HP

Depth

22 mm

Power consumption

36mA on +12V / 23mA on -12V

Accessories

· Eurorack power cable x1

· Mounting screws x4