ΛCL

Audiophile Circuits League
Musical Instruments Manufacture

GATE MIX

User´s Manual

GATE MIX

CH 1   CH 3

CH 2   CH 4

GATE IN

1   2   3   4

IN

1   2   3   4

MIX

AUX   1&2   3&4   SUM

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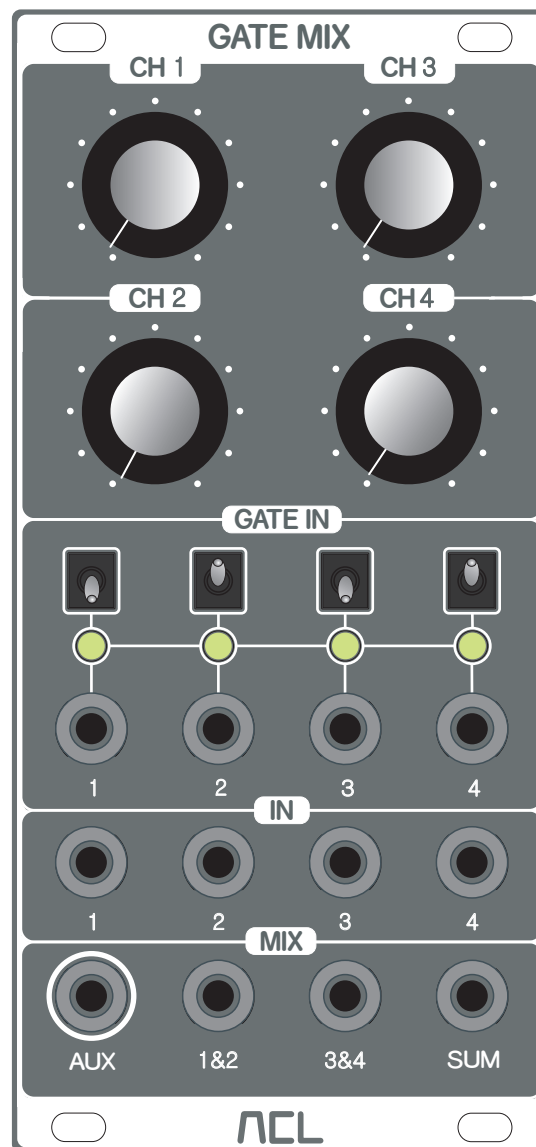
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1. INTRODUCTION

Audiophile Circuits League. -GATE MIX is a 4 channel Audio signal mixer, consisting two 2-in-1 mixers (1+2 & 3+4), whose outputs are summed together to the master output. All 4 channels can be switched ON/OFF controlled by switches and/or gate or even CV signals. Further there is an AUX-input, which is routed unity gain (no attenuator) to the SUM. The logic of switching the signals on and off can be negated (inverted), meaning a high control signal could switch the signal on (gate=on) - or the opposite behaviour; a high control signal could switch the signal off (gate=mute).

So you can always switch the channels on and off using the switch, by just flipping the channel s state (on or off). No disturbing clicks or glitches should be heard when switching an audio input signal on and off due to a fast „slew ramping" takes place in the circuit, controlling the amplitude of the signal when switched on and off.

Each Channel got a LED which is lighting up, when the channel is switched on, so ll it let a audio input signal going through to the outputs.

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.
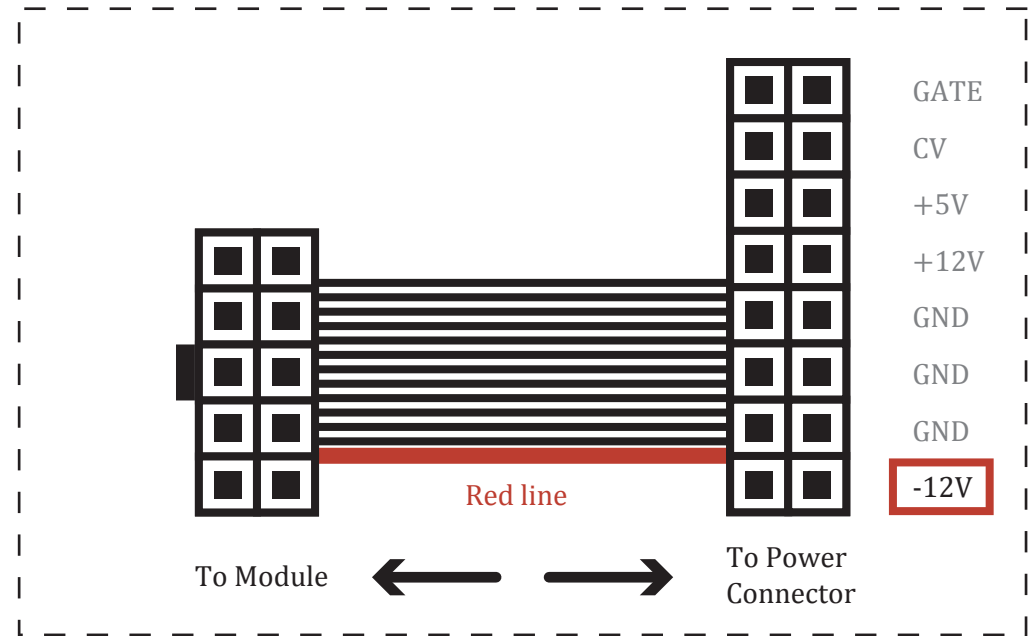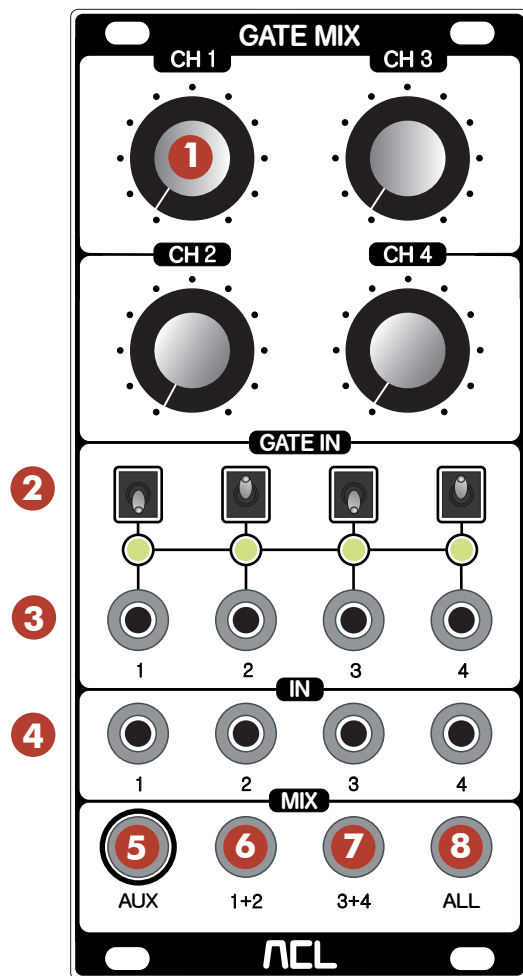

FIG.1：Eurorack power cable

FIG.2：Front Panel

① "CH1~4" knob

Adjust the Inputs for 4 audio signals, attenuated by potentiometers for every channel .

② "GATE IN" switch

All input channels can be individually switched on / off by switches or positive GATE · CV signals. In addition, logic can be reversed, such as channel on with a positive CV signal and channel off with a positive CV signal on the other hand.

③ "GATE IN" jacks

Input the CV signal for turning on / off each channel.

④ "IN" jacks

Input jacks for audio signals.

⑤ "AUX" input jack

Enter the AUX audio. It is unity gain connected to SUM output. (unity gain =Signal should be output at the same level as input with 1: 1.)

⑥ "1&2" output jack

Output for channels 1 and 2.

⑦ "3&4" output jack

Output for channels 3 and 4.

⑧ "ALL" output jack

Output jack for summed all of channels 1 - 4 and AUX.

5. SPECIFICATIONS

Power

Eurorack system power supply

Width

12 HP

Depth

22 mm

Power consumption

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

Accessories

· Eurorack power cable x1

· Mounting screws x4