

Ciao is a 4 channel line output interface with headphone jack. The 4 channels are grouped into 2 stereo channels: A and B.

instruction

1
Both A and B stereo channels have a volume control knob.

2
Each of the 4 channels have line level clipping indication. The indication warns that the signal may clip if sent to a line level input. But no clipping occurs on the signal itself.

3
Each channel has an independent input mono jack connector. There are internal normalisations between these jacks indicated by the arrows: Left channel of B is normalised into the Right channel of B if nothing is plugged into the right channel of B. The same goes for channel A: the left channel of A is normalised into the right channel of A. Also the Left channel of B is normalised into the Left input of A. This means that if only one signal is plugged into the left channel of B it will split into all channels.

4
Channel B has balanced outputs for both left and right channel.

5
Channel A has a stereo output jack. Although this output is a line level it is capable of driving some headphones.

6
The headphones output is able to drive any headphones.

7
You can select whether you are listening to channel A or B with the headphones by flipping the dedicated switch.

8
This switch can mix both left and right channels A into the left and right channels B. This is especially useful for jamming. You can prepare new sound on channel A listen to it on the headphones and then mix it into the final mix just by flipping the switch.

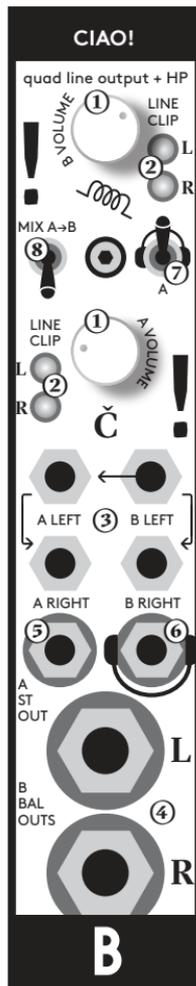
features

- 4 line outputs grouped into two stereo channels A and B
- volume control per stereo channel
- 2 balanced outputs for channel B (left and right)
- 1 stereo output for channel A (capable of driving headphones)
- headphone output
- switch to select headphone playback
- switch to mix channel A to channel B
- internal normalisation allowing mono to stereo conversion
- line level clipping indication per channel

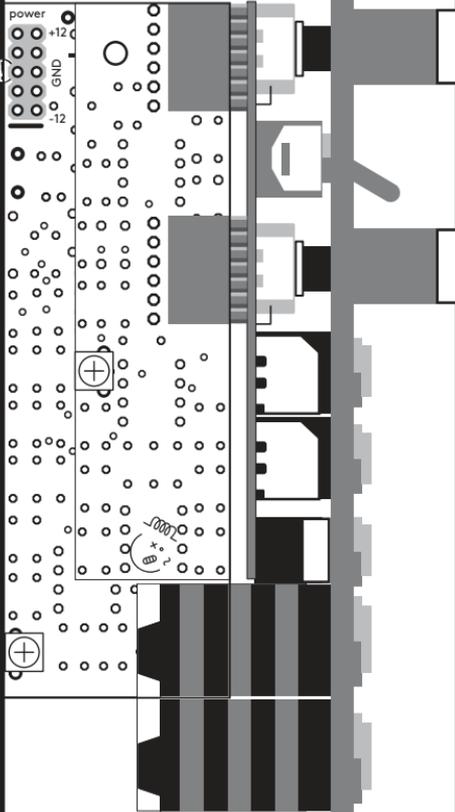
technical details

- 5HP
- PTC fuse and diode protected 10 pin power connector
- 55mm deep
- current: +12: 80mA, -12: 80mA

QUAD LINE OUTPUT & HEADPHONES AMP



Ci !

B**Take it Carefully**

PCB Ciao!

connecting module to your system

please make sure of the following

- you have a standard pinout eurorack bus board
- you have +12 and -12 power rails on that bus board
- the power rails are not overloaded

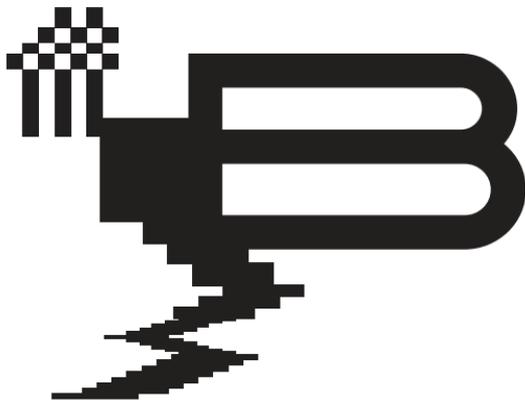
Before connecting the ribbon cable to this module disconnect your system from power !



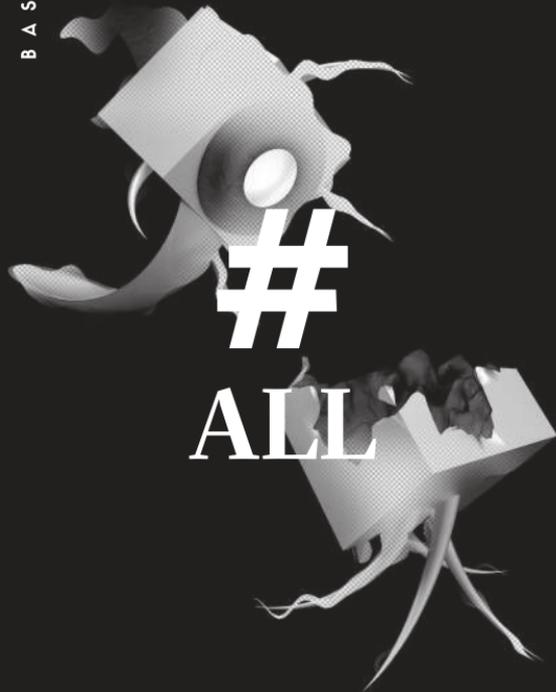
Double check the polarity of the ribbon cable and that it is not shifted in any direction. The red cable should be attached to the -12V rail, both on the module and on the bus board side!

Although we put protection circuits in the device, we do not take any responsibility for damages caused by wrong power supply connection.

After you connected everything, double checked it and closed your system so no power lines can be touched by your hand, turn on your system and test the module.

**B**

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