



MAZE MANUAL

LIVESTOCK ELECTRONICS
THANKS YOU
FOR YOUR PURCHASE





"AT LEAST NOW WE KNOW WHY THEY CALL IT THE MILKY WAY"

A long, long time ago, before the world of today existed... There was a cow that spontaneously started to shoot milk because it got so frightened from being alone in space. Strangely enough this ended up being our galaxy, a big maze linking all the pieces together!

Maze is a routing and mixing matrix module. It allows you to create your own touchpad of patch presets. Each routing has been equipped with a VCA and inverter, so it can be used for signal distribution and attenuversion.

Morphing speed between presets can be changed and routings can be muted. Selecting presets is also possible via CV or triggers. This can even be done while setting routings, which allows for recording of routing creation!

The signal path is entirely analog and it is even possible to link Maze modules together to increase your matrix.

Special thanks to the people who gave feedback and feature requests (you know who you are), could not have made this without you!

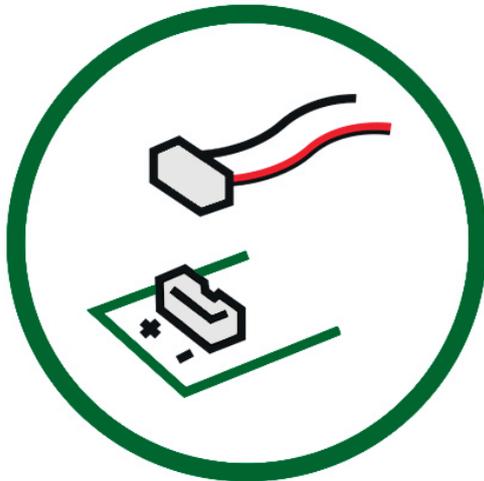


SETUP

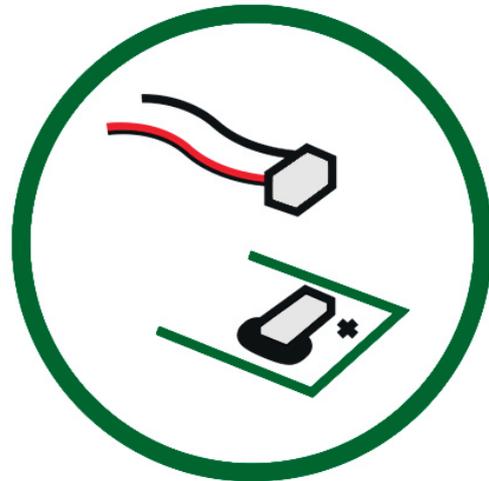
Turn power off before connecting the module!

Use the ribbon cable to connect the module to your busboard. Make sure the red line of the ribbon cable is connected to -12V of the busboard and -12V of the module.

BUSBOARD

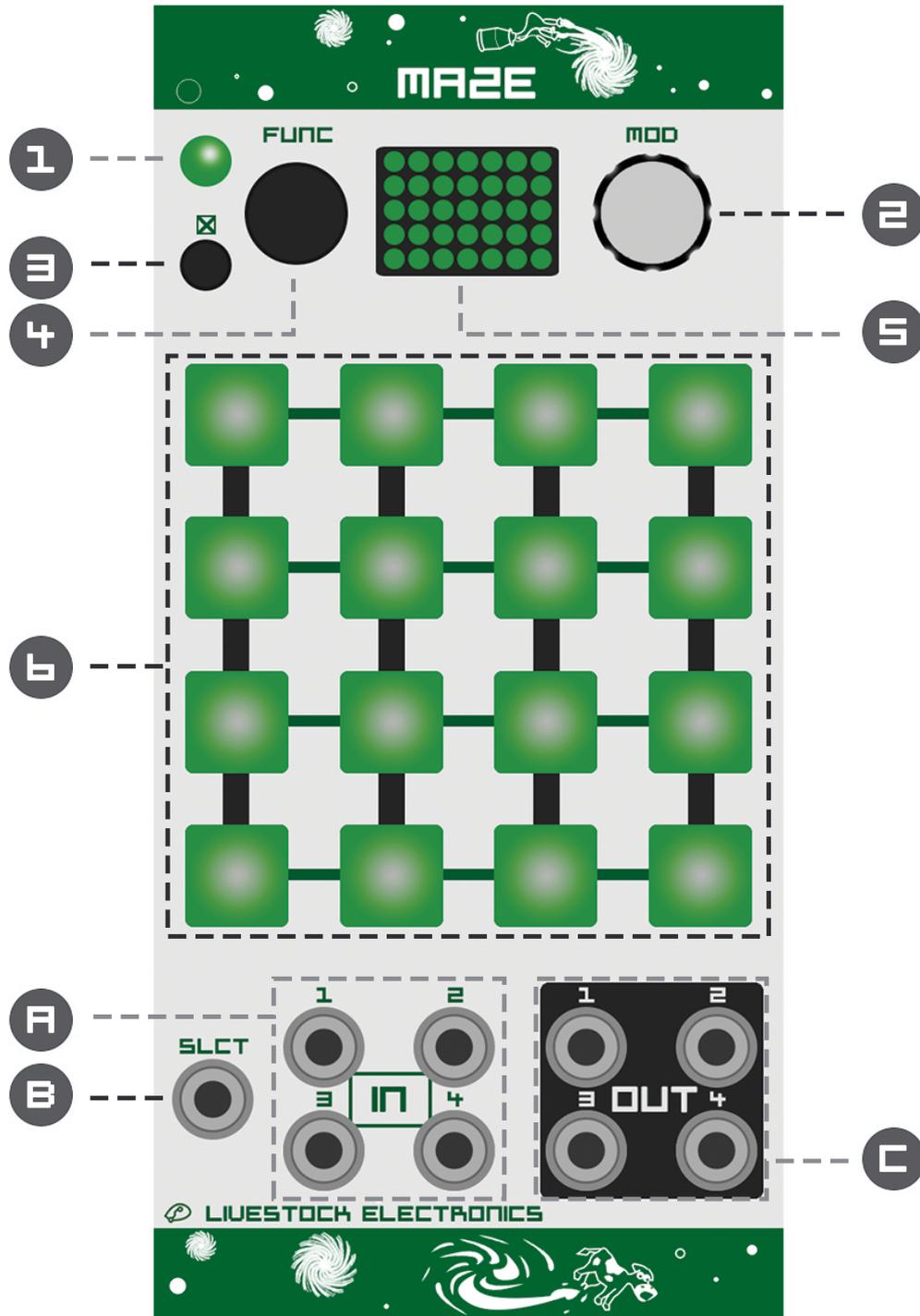


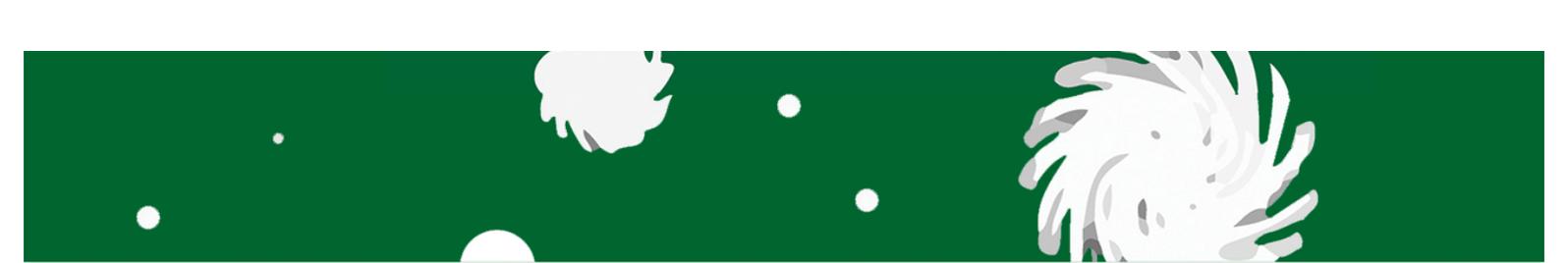
MODULE



SPECIFICATIONS

Format	3U (Eurorack)
Width	12 HP
Depth	43mm
Height	25mm
Weight	165g
Power consumption	200mA @ +12V 70mA @ -12V



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- 1 Indicator LED
 - 2 Encoder with push button
 - 3 Mute window button
 - 4 Function button
 - 5 Screen
 - 6 Push button matrix
 - A 4x Inputs
 - B Select input
 - C 4x Outputs

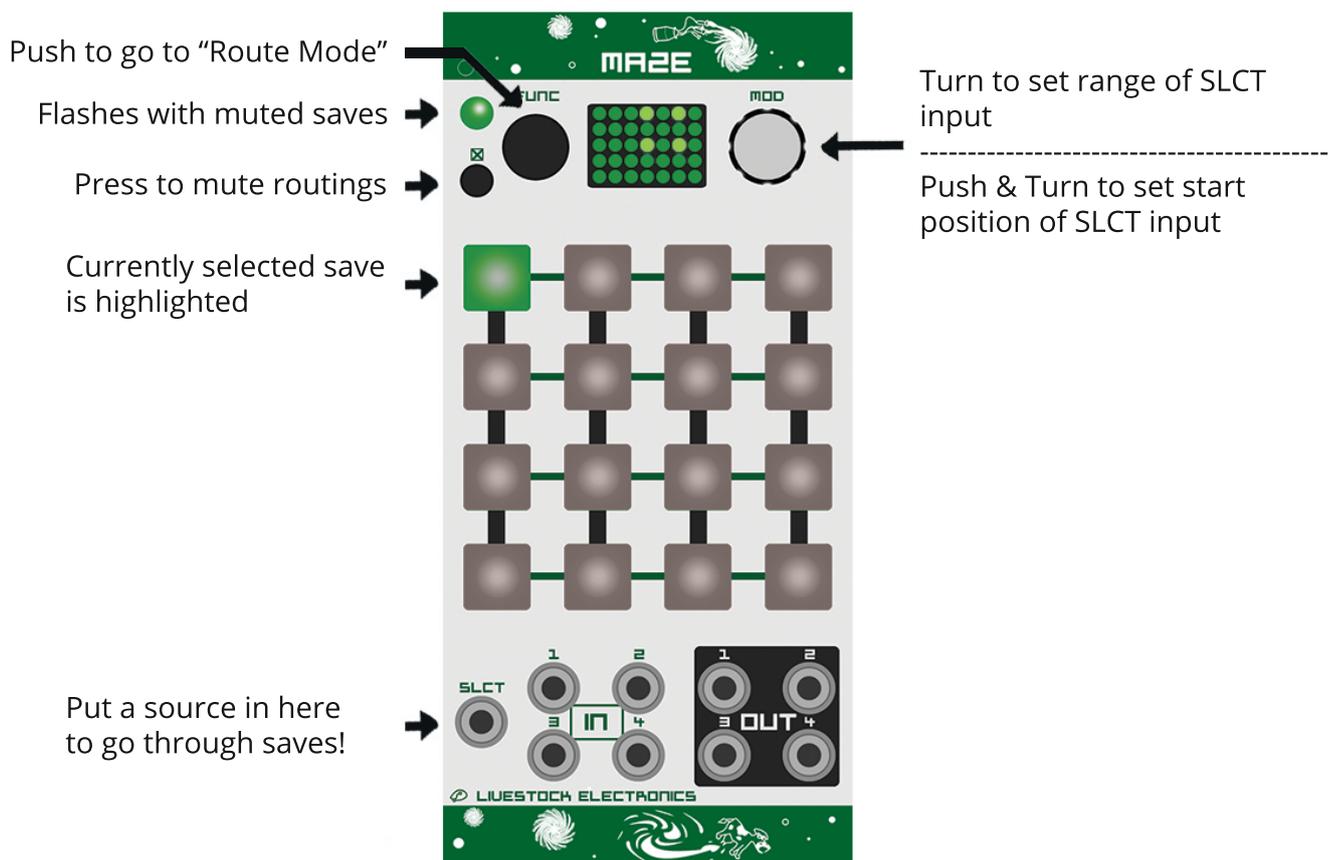


FUNCTIONALITY

Maze is designed to route, attenuate, invert, morph and mix CV/audio from each of the four inputs to any of the four outputs.

Settings can be saved to one of the sixteen save locations in one of the six banks. The save settings can be triggered by hand, or via different CV sources.

Maze starts up in the **SAVE MODE**. This mode is indicated with a semi-random dot animation on screen. Here you can select a save location to create your routings in, and change the SLCT input parameters.



Once you have selected a save location and pressed the FUNC button you can edit the routings in **ROUTE MODE**. This mode is indicated with a wave animation on screen.

Here you can adjust the gain and direction of the routings in the selected save. When inputs are sent to the same output they will be mixed. Whenever a routing changes value, it can morph. Morphing speed can be changed in this mode too!

Push to go to "Save Mode"
 Cyan when morphing is on
 Press to mute routings

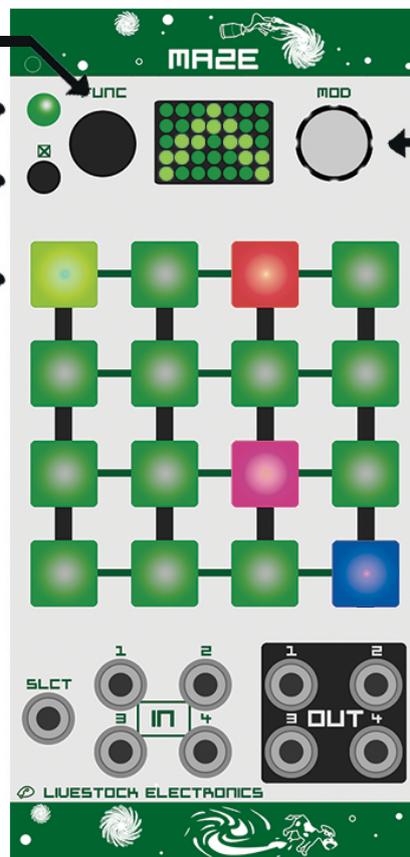
Inputs are in rows, outputs are in columns (green and black stripes on panel).

Routing gain and direction are indicated with RGB colors.

From Blue to Green is normal attenuation, Blue to Red is inverted attenuation.

Blue is ∞ .

No color is off (only when output channels are set to attenuation)



No selected routings:
 Turn to adjust morph speed precisely

Push & Turn to adjust morph speed drastically

With selected routings:
 Turn to adjust gain precisely

Push & Turn to adjust gain drastically

Changing gains:

Select (multiple) routings on the matrix and adjust the gain with the knob. Press FUNC to save settings.

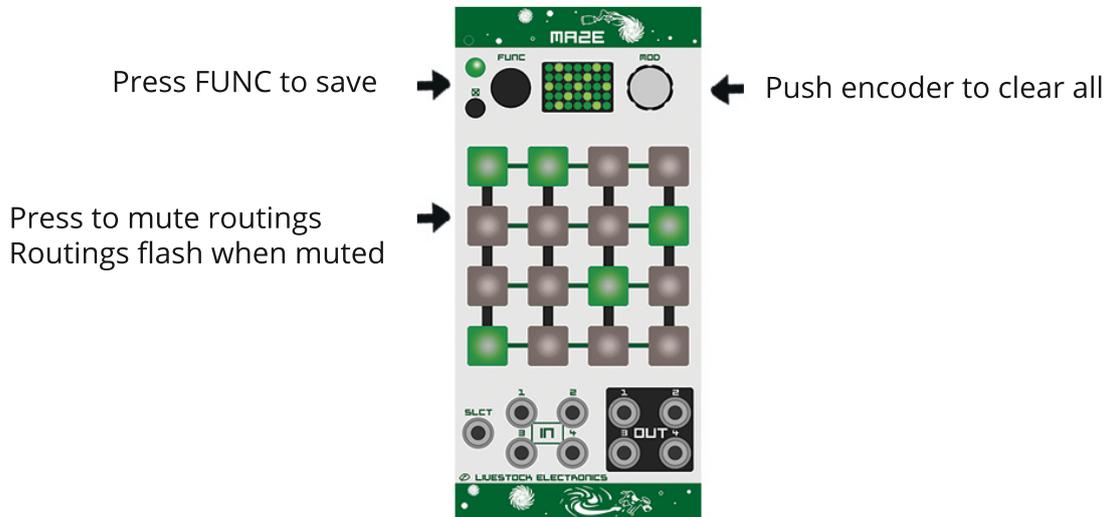
You do not need to hold routing positions. So use that hand for something else!

When holding two routing positions you can adjust all the routings in between at once.

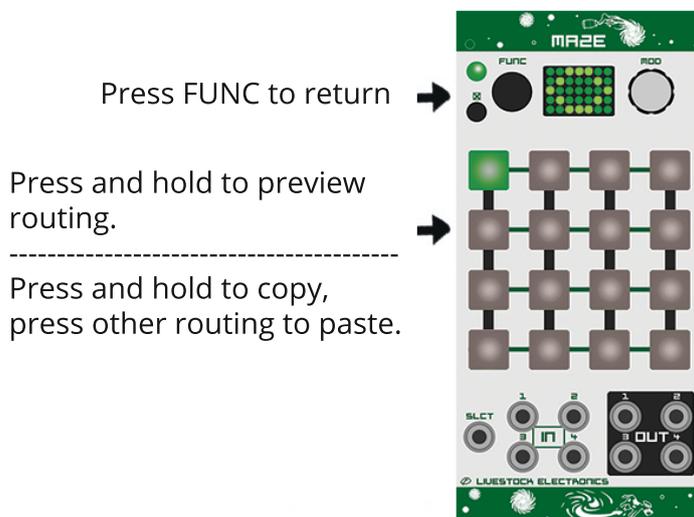
Great for stereo effects!



MUTE MODE can be initialised by pressing the mute button. It is indicated with a "X" animation.



PREVIEW/COPY MODE can be initialised by holding the MUTE button and pressing the FUNC button. Here you can preview saves without initialising, and copy/paste saves. This mode is indicated with an "EYE" animation.



SETTINGS

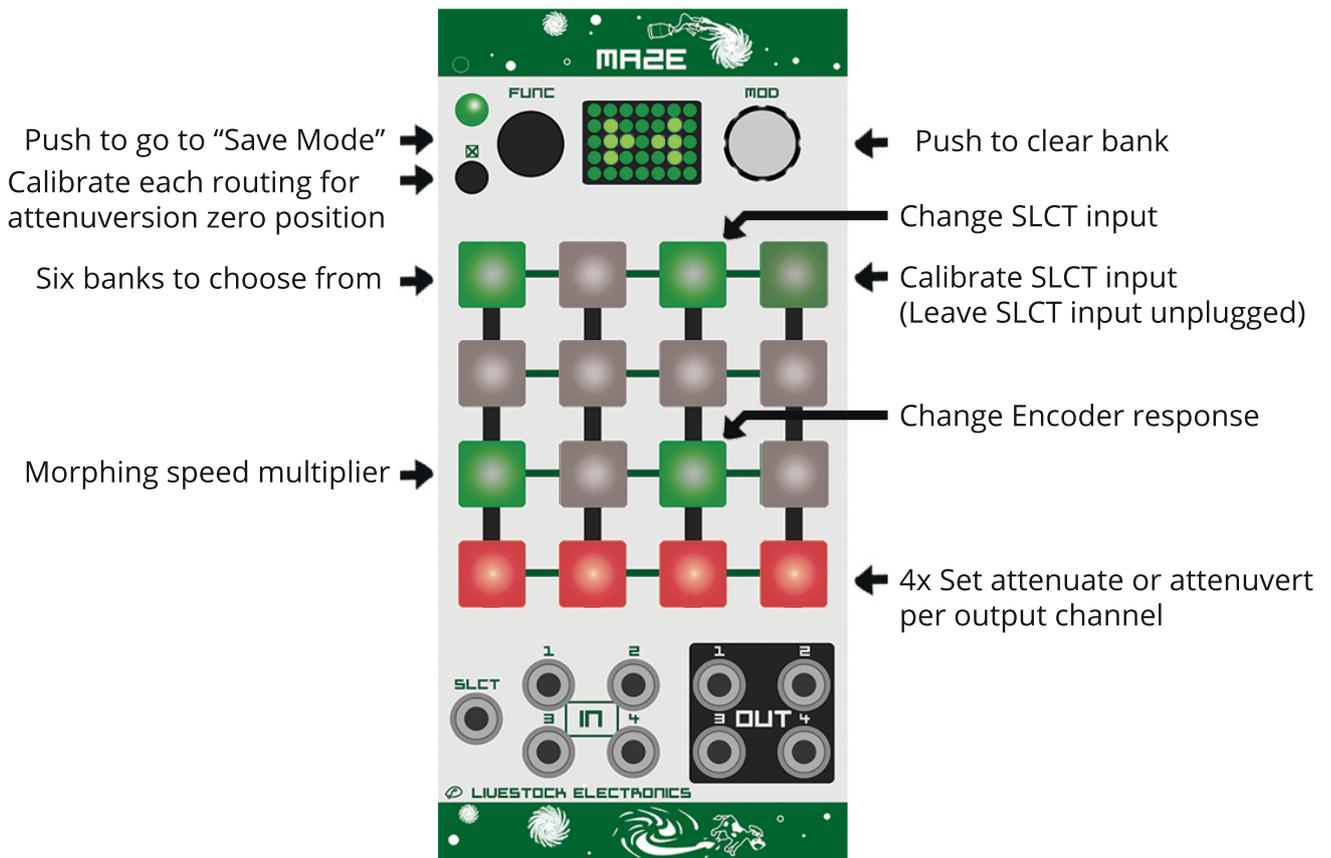
Go to the **SETTINGS** by holding the FUNC button. For more details on the settings read the settings manual @ www.livestockelectronics.com/maze

- Banks
Six banks indicated with their own color.

- Morph
Green: Fast morphing
Yellow: Medium morphing
Red: Slow morphing

- SLCT input
Green: Sequencer, LFO & Envelope.
Yellow: Next/previous save on trigger.
Red: Random save on trigger.
Magenta: Euclidean sequence on trigger.

- Encoder response
Green: Setting is immediately.
Red: Cross previous setting first.





DAISY CHAINING

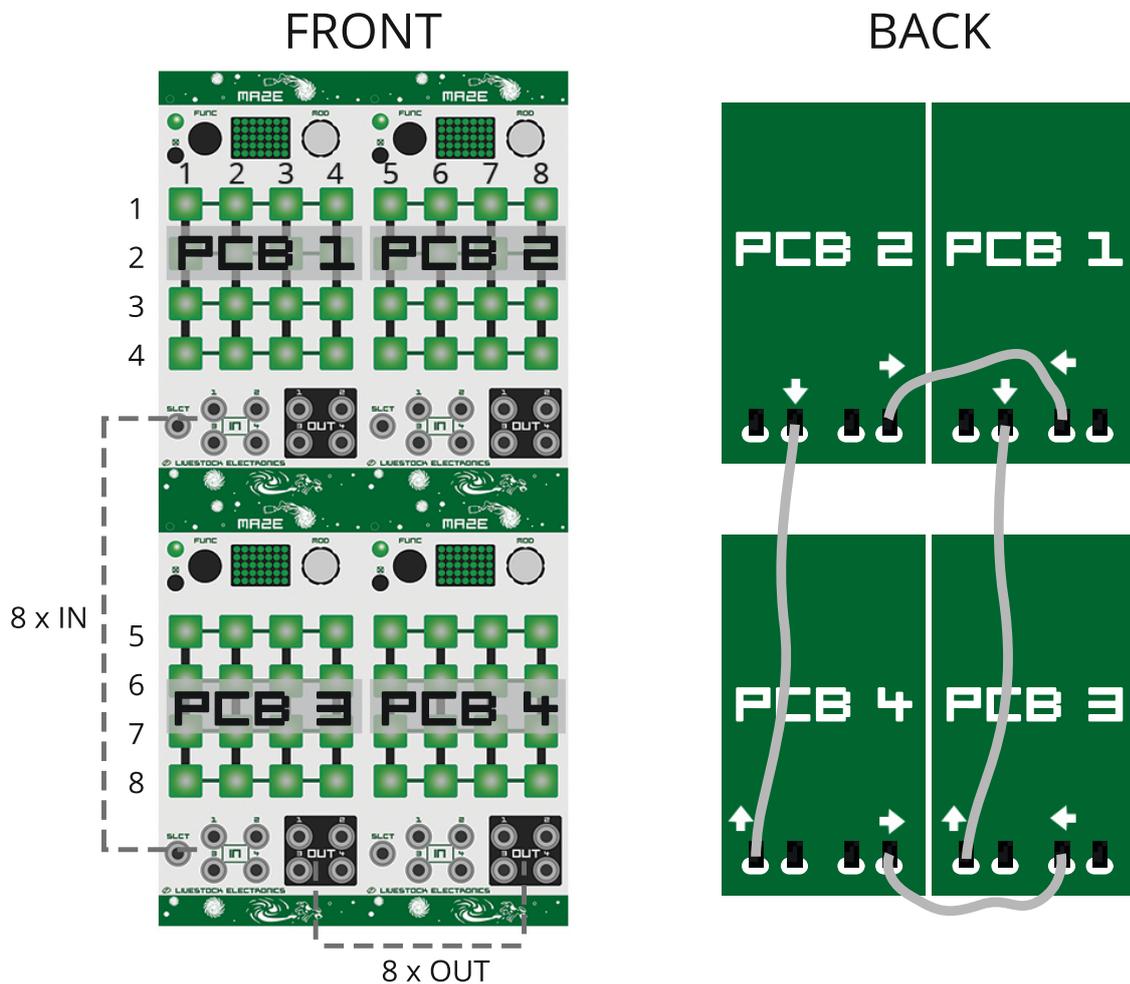
With multiple Maze modules the matrix can be increased. For instance as a 4x4:4, 2x8:4, 2x4:8, 1x8:8, 1x16:4 or 1x4:16 matrix.

Links can be broken by inserting cables in the inputs and outputs.

Chaining:

The arrows on the PCB indicate where the inserted cable should go from the specific header. Make sure you do this according to the picture below!

Important: Red line of the cable should match the white print on the PCB!!!



WARRANTY

All Livestock Electronics modules are guaranteed to be tested before shipping. They are also protected to the fullest for incorrect usage. However warranty may be dismissed if damage is caused by incorrect usage. If you have a malfunctioning module please read the Livestock Electronics warranty terms at: livestockelectronics.com/terms



No
water



No
fire



No
physical
damage



Return in
original
box



Two
year
warranty

SUPPORT

Tutorials and other manuals can be found on the module page of the Livestock Electronics website: livestockelectronics.com/maze
For any questions related to: bugs and hardware please refer to the Livestock forum: livestockelectronics.com/forum
or send a mail to: info@livestockelectronics.com

DISPOSAL

Livestock Electronics recommends to never throw a module away! If you however wish to dispose of the module: All the modules comply to the EU guidelines and are manufactured ROHS conforming without the use of: lead, mercury, cadmium and chrome. Still disposal in household waste is not recommended and this device should be thrown away according to your local waste management.



NOW

GO

WIGGLE!

