

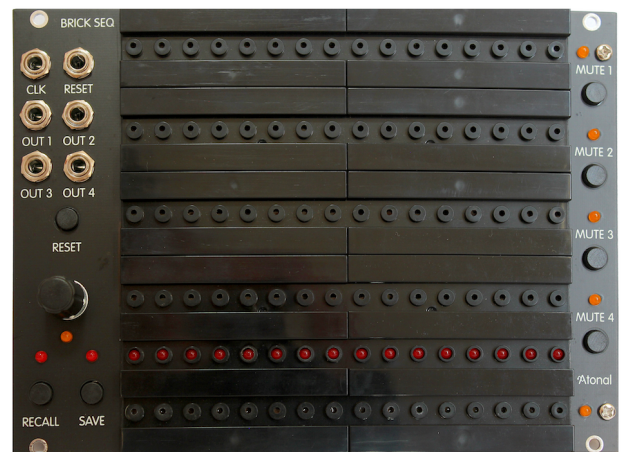
A02

BRICK SEQUENCER



For best results, please observe these points:

- only use black or gray bricks to ensure correct detection (add another one on top with the color you like).
- use the module in a closed modular rack (light from inside the rack can disturb sensors).
- do the calibration procedure at the place (with proper light environment) you will use the module.



CALIBRATION

- set the light environment in the condition you'll use the module.
- place the 1x16 bar on the row you will calibrate.
- press and hold RECALL then press SAVE. (RECALL, SAVE, and encoder leds will flash).
- with the rotary encoder, select the row you want to calibrate (according led will flash).
- push the rotary encoder to validate, the sequence leds will flash back and forth and the row is now calibrated.
- repeat operation for the 5 rows (don't forget the 5th row for in and out points).
- Now the module is calibrated and reference data is stored, you'll have to do this operation again only if you encounter problems or if the light environment changes dramatically.
- to exit calibration mode without changing anything, press again RECALL and SAVE.

CONFIGURATION MODE

There are some preferences you can set with configuration mode. To enter configuration mode: press and hold RESET, press and hold MUTE 1, press MUTE 4 (release the 3 buttons).



Then, select the led you want to toggle and push the encoder. To exit the configuration mode, press SAVE.

- **RESET BEHAVIOUR**
 - > LED OFF: when a reset pulse on the reset input or a press on the RESET button occurs, the sequence will return to the first step when the next clock pulse appears at the clock input.
 - > LED ON: sequence will jump immediately to the first step (old style).
- **SENSITIVITY**
 - > one led on: this is minimum sensitivity to light: unit needs more time to detect bricks but this ensures minimal error caused by shades (operator hands / other bricks).
 - > four leds on: maximum sensitivity to light: this gives a faster response but unit is more sensible to shades too.

this is the default configuration:



SPECIFICATIONS

- All input / output are 10v tolerant.
- Trigger voltage output: 5v.
- Power supply: +12v (There is a reverse protection circuit).
- size: 34 HP
- Power consumption:
 - +12v : 25 mA.
 - 12v : 0 mA.

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