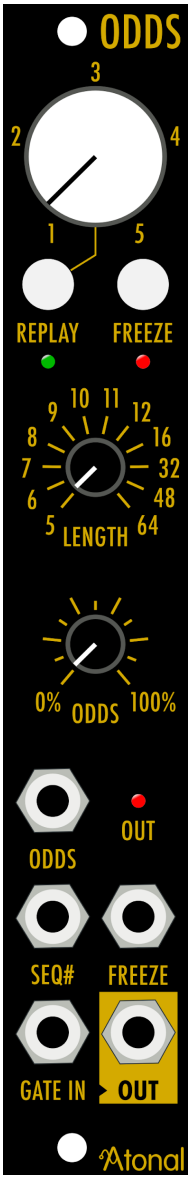
A04 ODDS - DATASHEET

EURORACK MODULE
FUNCTION: random gate generator with memory
DIMENSIONS: 4HP - 38 mm deep (including inserted power connector)
CURRENT DRAW (max): 12 mA @ +12V - 0 mA @ -12V - 0 mA @ 5V



JACK

LABEL	TYPE	RANGE	WHAT
GATE IN	GATE input	0 - 5V	incoming gates
OUT	GATE output	0 - 5V	gates output (same length as incoming gates)
SEQ #	CV input	0 - 5V	will select a memory when a voltage change occurs 0V = memory #1 | 5V = memory #5
FREEZE	trigger input	0 - 5V	incoming pulse will toggle "Freeze" mode ON/OFF
ODDS	CV input	0 - 5V	probability control voltage 0V = 0% | 5V = 100%

BUTTON

LABEL	TYPE	ACTION	WHAT
FREEZE	push	momentary ON	freeze sequence
REPLAY	push	momentary ON	If a frozen sequence is running, it will be stored (overwrite) in the selected memory number. Otherwise, this load the stored sequences.

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LABEL	TYPE	WHAT
ODDS	rotary pot	probability to pass gate at the output
LENGTH	rotary pot	"frozen" sequence length (in steps, non-destructive)
SEQ # (not labelled)	rotary pot	memory number selection (1 to 5)

LED

LABEL	COLOR	WHAT
FREEZE	green	Freeze mode is active
REPLAY	red	Replay mode is active
OUT		Output signal

CALIBRATION MODE

User can adjust the delay time between the gate on signal from gate input and the sampling of CV "ODDS".
CV rising and falling times are not immediate (this is called slew rate) and therefore to read usable value from CV, the unit needs to wait some time. This depends of the rising/falling speed of the incoming CV.
Some devices are very slow (Arturia Beat Step Pro).

To enter calibration mode, press simultaneously REPLAY and FREEZE. Both led will light up.
Adjust time with the SEQ# upper white potentiometer. Press REPLAY or FREEZE to validate and save new value.
The leds will flash accordingly to the entered value. Every flash means 1ms of delay.
If you count 5 flash this means 5ms (value is rounded). The parameter is saved in memory and will be loaded at next startup.

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