N-Klik

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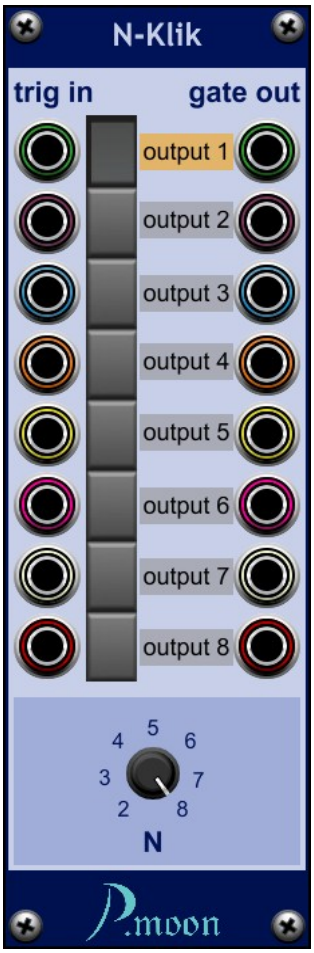

This module contains a radio button set. Number N of buttons/inputs/outputs may be set from 2 to 8.
Buttons can be activated by clicking onto it or by a CV signal.
Outputs #1 to #8 send a 5 volts gate signal, when active, otherwise 0 volts.
Channel labels are editable. Label of active button will be highlighted.

(trig in)	Controls button/output selection. Voltage at **trig in** triggers button/output activation when it's value exceeds 2.5 volts. That means, only a rising voltage activates a radio button. A constant voltage does not have any affect.
[button 1 to N]	A click onto a button changes it's state to pushed, releases all other buttons, activates assigned output.

(gate out)	Sends a static 5.0 volts signal, when active. State is shown by an orange button label.
[knob 'N']	Determines, how many radio buttons the set will contain.

Further Information

Any input signal, that exceeds +2.5 volt, can trigger a selection, even a trigger pulse of one scan length (about 21 microseconds at 48.000 samples per second).

There are only so many sets of input/button/output visible as preset with knob 'N'.

When number **N** is lowered from *a* to *b* ,
- all GUI items >*b* disappear, user edited labels will be kept in memory,
- connected cables at invisible inputs/outputs stay connected,
- signals at CV inputs >*b* don't have any effect,
- signals at CV outputs >*b* go to 0 volts,
- while a button >*b* is in pushed down state, button 1 will get pushed down.

When multiple trigger inputs get a valid active state at same time, input with highest number will effect selection.

Example 1: Inputs #1 to #4 are connected to same trigger source. First trigger pulse will activate button/output #4. Further pulses will have no effect anymore.

Example 2: A voltage at trigger input #6 changes from -5 to +5 volts and stays at that value. Button/output #6 will be selected. Then a +5 volts signal is received at trigger input #2. Button/output #2 will get selected, although it's channel number is lower. Now Signal at input #6 goes off and on again. So this will select button #6 and output #6 again.