

Switch 1 to 8

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This module switches an input signal to one of eight output jacks. Selection is done either by **GATE** signals or a **CV** voltage.

A **trig out** pulse occurs when a valid selection changes.

Hold function can be enabled by a **hold in** signal or a **HOLD** toggle button.

With disabled HOLD function a selected output delivers same voltage as is received at **signal in** jack, as long as selection is active. When selection gets inactive, all outputs deliver no (zero) voltage.

When HOLD function is enabled, an output voltage stays at last selected out jack with that value, that was in the moment, when selection became inactive. So **Switch 1 to 8** can be used as sample & hold device.



If **ENABLE** is toggled on, output selection is done by **cv in**, else by **gate** inputs.

A voltage at this jack controls output selection, if **ENABLE** button is toggled.

$cv < 0.5\text{ V}$	no output selected
$0.5\text{ V} \leq cv < 1.0\text{ V}$	output 1 selected
$1.0\text{ V} \leq cv < 1.5\text{ V}$	output 2 selected
:	
$4.0\text{ V} \leq cv$	output 8 selected



An ON voltage ($>2.5\text{ V}$) selects corresponding **out n**. If more than one gate jacks get an ON voltage, only the output with the highest number will be selected.

LED indicates output selection.



Input jack for any signal voltage. (-10 to $+10\text{ V}$).



- a) Equals **signal in** voltage when active, otherwise 0 V .
- b) When HOLD is active: static **signal in** voltage, that was sent to the input jack, before output selection disappeared.



Toggled button enables hold function.

An ON voltage ($>2.5\text{ V}$) enables hold function.



Sends a 5 msec pulse (5.0 V) when an output selection changes. There will be no pulse, when no output gets selected.