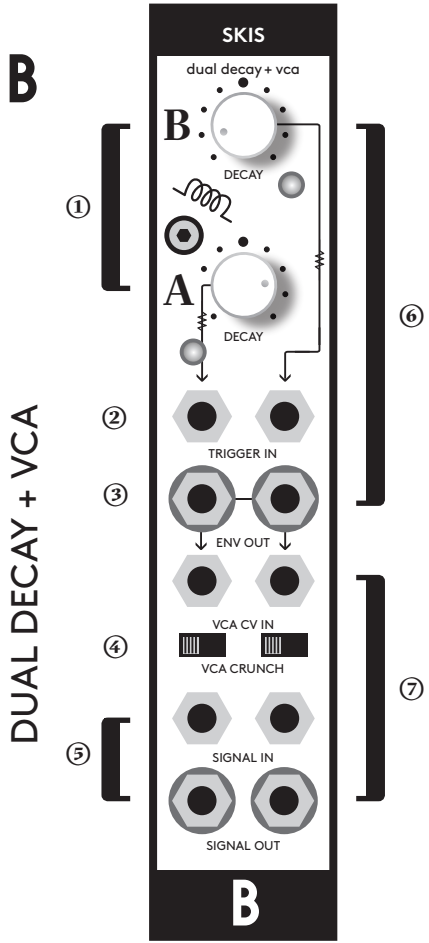

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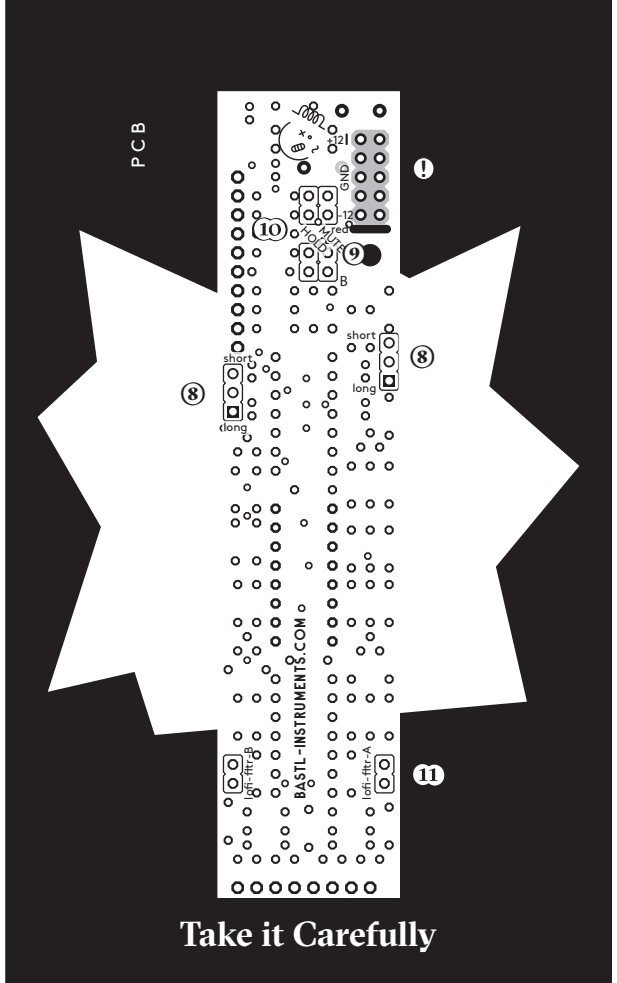
Skis



In the front of every ski there is a curve similar to the decay envelope. the Skis module has two channels, A and B and each of them consists of a decay envelope with knob control and a VCA.
A typical application of Skis is to take any continuous signal (noise for example) and generate percussive sounds with adjustable decay by a trigger signal.

instruction

❶

The Decay knobs A and B control the decay time of each envelope. The decay is also indicated by the led by each knob. The decay time is either in SHORT or LONG range, which can be selected with jumpers on the back of the module. With MUTE jumper set, you can also select if the fully left (counter clock wise) position of the knobs mute the decay envelope or if it leaves short click.

❷

TRIGGER input to trigger the envelope. The envelope can work either in decay or in release mode, which can be selected with jumpers on the back of the module. Decay mode means that the envelope creates the slope at the beginning of the trigger. Release mode means that if there is a gate signal the envelope, it will stay high until the gate goes low and than creates the decaying envelope.

❸

The buffered envelope output is normalized to the VCA CV input.

❹

The VCA CRUNCH switch activates a special mosfet lofi VCA circuit used by Standa Filip in his designs. This adds a special crunchy sound character which is changing with the decay of the envelope. With a jumper on the back you can also activate a lo-fi filter in the VCA, which is also taken from Standa Filips drum circuits.

❺

VCA amplification of the input signal is linear to the CV on the VCA IN jack.

❻

this part of the module is a dual decay envelope
Both decay envelopes and VCAs in each channel can be used independently. The output of the envelope is normalized to the jack input of VCA CV input

❼

this part of the module is a dual VCA

❽

For each channel there is 4 jumpers from the back side to adjust the setting. 1st there is a 3 way jumper which selects the time RANGE of the decay envelope whether it is short 1s or long about 10s.

❾

The MUTE jumper to select whether the DECAY knob in fully left position sets the decay to real 0 which would mean it mutes the sound. If this jumper is not connected there will always be at least a click.

❿

The HOLD jumper turns the the decay envelope into release envelope. Which means that if you send gate signal to trigger input the VCA would be opened while the gate is HIGH and when it goes LOW it would perform the exponential release.

⓫

The last jumper can activate lofi filtering capacitor on the VCA. This adds some more character to the VCA circuit.

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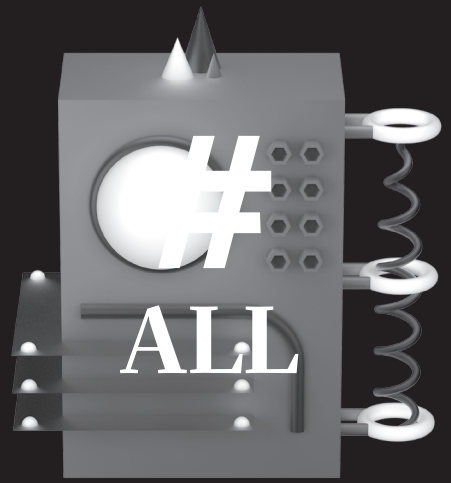
B



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features

- dual decay envelope with adjustable decay time (trigger input, CV output)
- dual vca (signal IN, signal OUT, CV IN is normalized to CV output of the decay envelope)
- crunch feature, inspired by circuits of Standa Filip
- jumpers for changing the decay envelope into a release envelope (vca is open while there is a high gate signal and then it decays)
- jumpers for enabling the decay knob to completely mute the decay envelope
- jumpers for selecting weird filtering of the output signal (also inspired by Standa Filip)
- handmade in Brno, Czech republic

technical details

- 5HP width
- 35mm deep (skiff friendly)
- power consumption: +12: <30mA, -12: <20mA
- PTC fuse and diode protected 10 pin power connector

Connecting module to your system

Before connecting the ribbon cable to this module disconnect your system from power !

Double check the polarity of the ribbon cable and that it is not shifted in any direction. the red cable should match the -12V rail both on the module and on the bus board !

please make sure of the following

- you have a standard pinout eurorack bus board
- you have +12V and -12V rails on that bus board
- the power rails are not overloaded by current

Although we put protection circuits in the device, we do not take any responsibility for damages caused by wrong power supply connection.
After you connected everything, double-checked it and closed your system, so no power lines can be touched by hand, turn on your system and test the module.