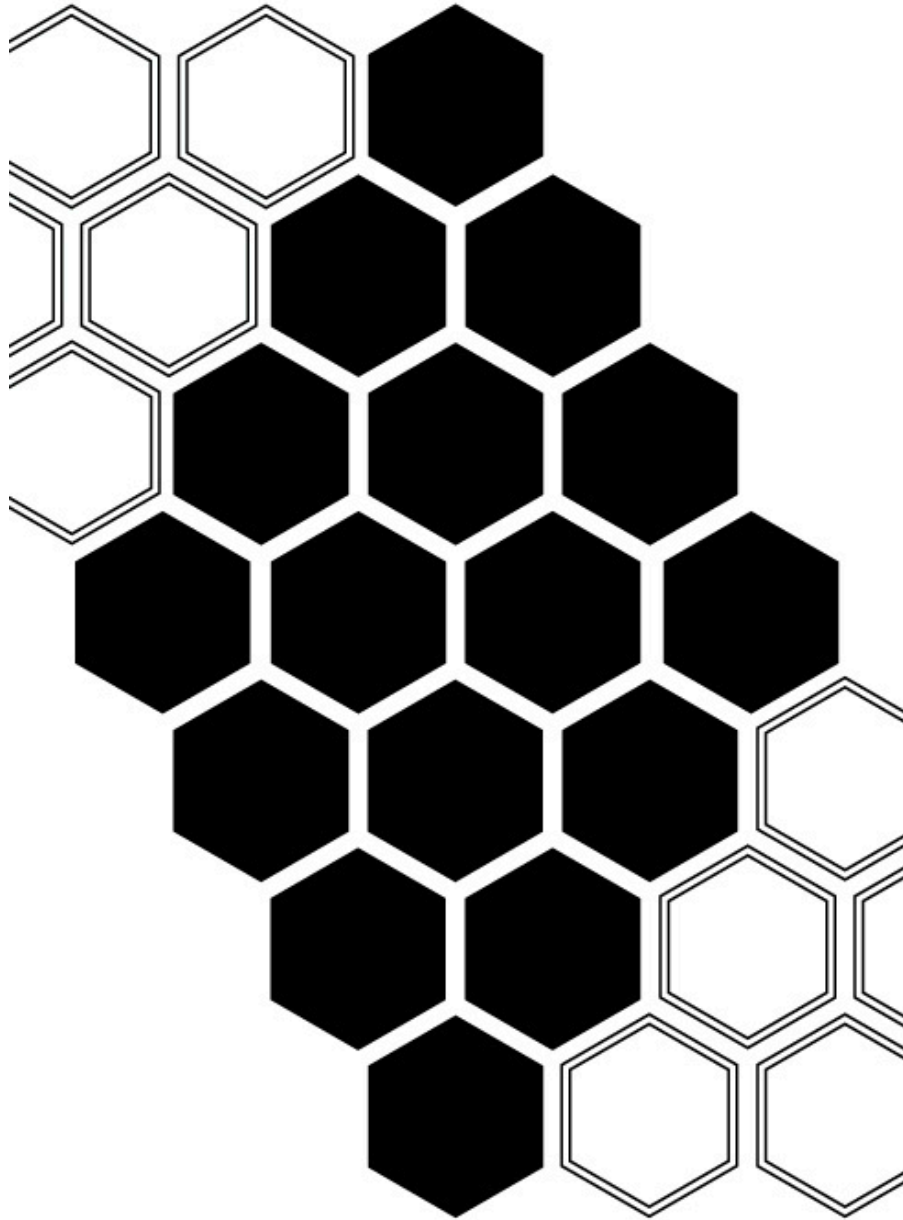# cells

user's manual

feed it, play it, sequence it

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Thanks for adopting Cells!

Cells is a dual unipolar control voltage generator. Each of the 16 touch sensitive pads can be "fed" two 12bit values (semi-tone quantized or free scale), ranging from 0V to 5V

Although intended to be used as a duo-phonic instrument/sequencer, Cells can also be used to modulate filters, amps, anything with a cv input

Feed It

-Tap a pad to select it
-Hold a tune button to engage the "feeding process" (left button for channel 1, right for channel 2).
-Adjust a knob to the desired pitch (left knob for channel 1, right for channel 2).
So long as a tune button is held, the output is automatically changed as you move the knob
-Release the button, pitch information is stored to Eeprom

You can toggle between free scaling and semi-tone increment modes by pressing both tune buttons simultaneously.

Play It

Press a pad to trigger both gate and cv outputs
Hold 2 or more pads and Cells will arpeggiate, the rate can now be changed with the left knob. The right knob changes the octave range.

Sequence It

Sequence the cells using the ⬈ and ⬉ trigger inputs.

The ⬉ input shifts up a row and the ⬈ input shifts right by one column

The gate outputs mirror the trigger inputs.

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5v supply setting

Cells requires +5V DC power to operate, as well as +/- 12V . On-board 12V to 5V conversion is provided if 5V isn't available in your system. This is configured via a jumper on the rear of the module:

In the above setup, no external 5v supply is required Cells will provide 5V from the 12V rail

In the above setup the module won't drive current from the 12V rail but will need a 5V supply

Please refer to the Eurorack (Doepfer style) pinout:
Eurorack Power Connector Pinout 16-Pin.

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