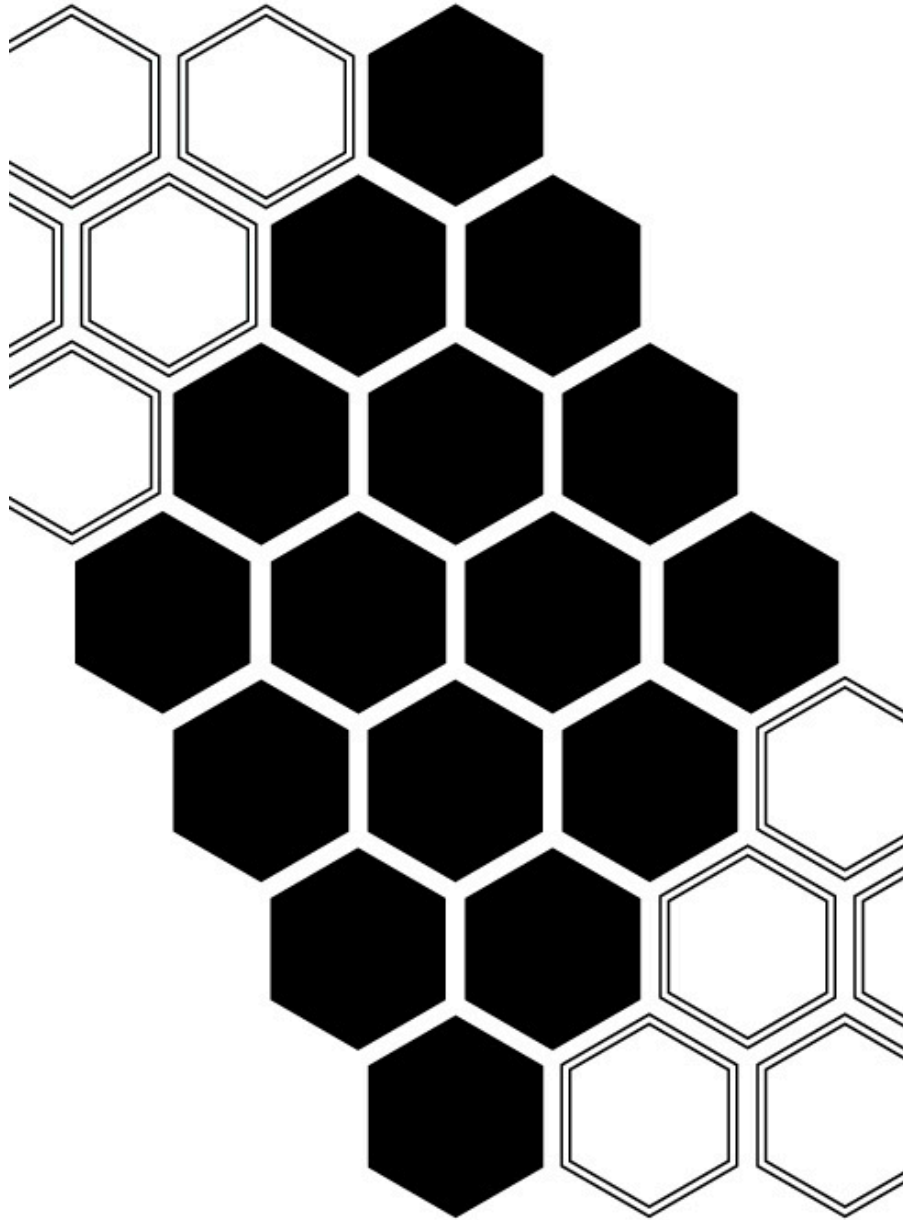


cells



user's manual

Feed it, play it, sequence it



twisted electrons

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.



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 this setup, no external 5v supply is required Cells will provide 5V from the 12V rail (22mA draw).



In this setup the module requires a 5V supply, but will now only draw 4mA from the 12v rail

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

