conjunctio

Those interwoven lines remind us of Egyptian symbols of indefectible links, as found in some patterns.These lines are genuine forces, showing unfoldment, not constriction.

Conjunctio is one element within the ERD/geomantic toolkit which rounds out the ERD system comprising All the Colours of the Noise, caput draconis, TOAD, and VIA. These can also be used in any system as generic utilities with an emphasis on routing, switching and fine control. Conjunctio provides four sets of comparators, for use as gates and triggers, with four associated conditional signal routing switches (two signals to one), to allow for dynamic, non-linear patching under ouroboric control.

The left hand sections of Conjunctio (marked comp) compare two incoming signals (c in 1 and 2), providing a high (5v) output signal if 1 is greater than 2, and a low (0) in the opposite case. The central knob adds an offset voltage to 2 to shift this comparison. With no signal into 1 or 2 we are comparing to 0!

The right hand routing section associated with each comparator, switches or routes two incoming signals (r in 1 and 2) to a signal out (r out) based on the result of this comparison. For example if signal 1 is greater than 2, it will switch between 1 and 2. The direction of the switching alternates between sections 1, 2, 3 and 4 to allow the same signal to switch in opposing directions.
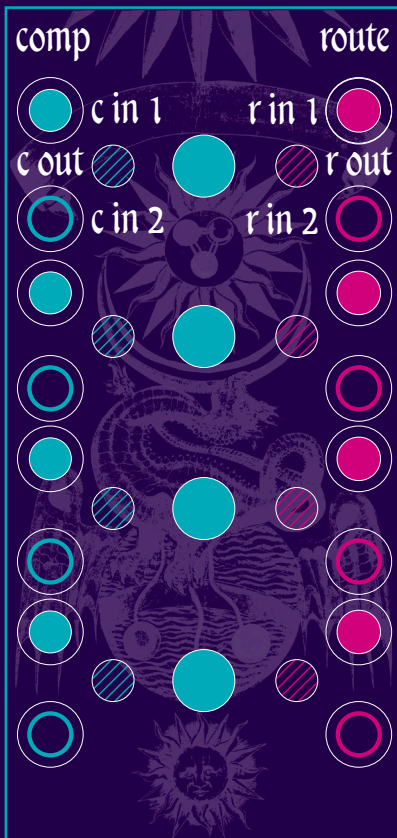
The first comparator input signal is normed to the first switch signal input, so it can switch itself. The second switch input is normed to ground. The first of each group of comparator ins is normed to all the other first inputs, but inserting into c in 1 group 3, will norm the fourth group in 1 to this - so there are 2 pairs, to match the opposing switching directions. From the rear of the module, with round sun at the bottom, the -12v (red stripe) is oriented towards the left edge of the module.