

Pitcher

Pitcher is an add-on for building a step sequencer in pair with the Soma Ornament-8.

Pitcher allows you to program a sequence of unquantized voltage in timings with the Ornament-8. It's behavior relies heavily on the linear Ornament patch.

Pitcher can be used as a source for any pitch quantizer module, allowing you to get pretty wild modulations. Output voltage is well suitable as CV modulation, for controlling the "bass" voice pitch on the Pulsar-23. It works well in Eurorack and generally in any semi-modular environment.

Key features

- modulation of the whole sequence with one knob
- mute mode on output
- psychomento — mad glide generator for chaotic mutation of the sequence

Specifications

power supply: none, works as passive device, getting the power from its inputs

input: all inputs are intended to use as gate inputs

output: 1 summing CV output

Basic principles

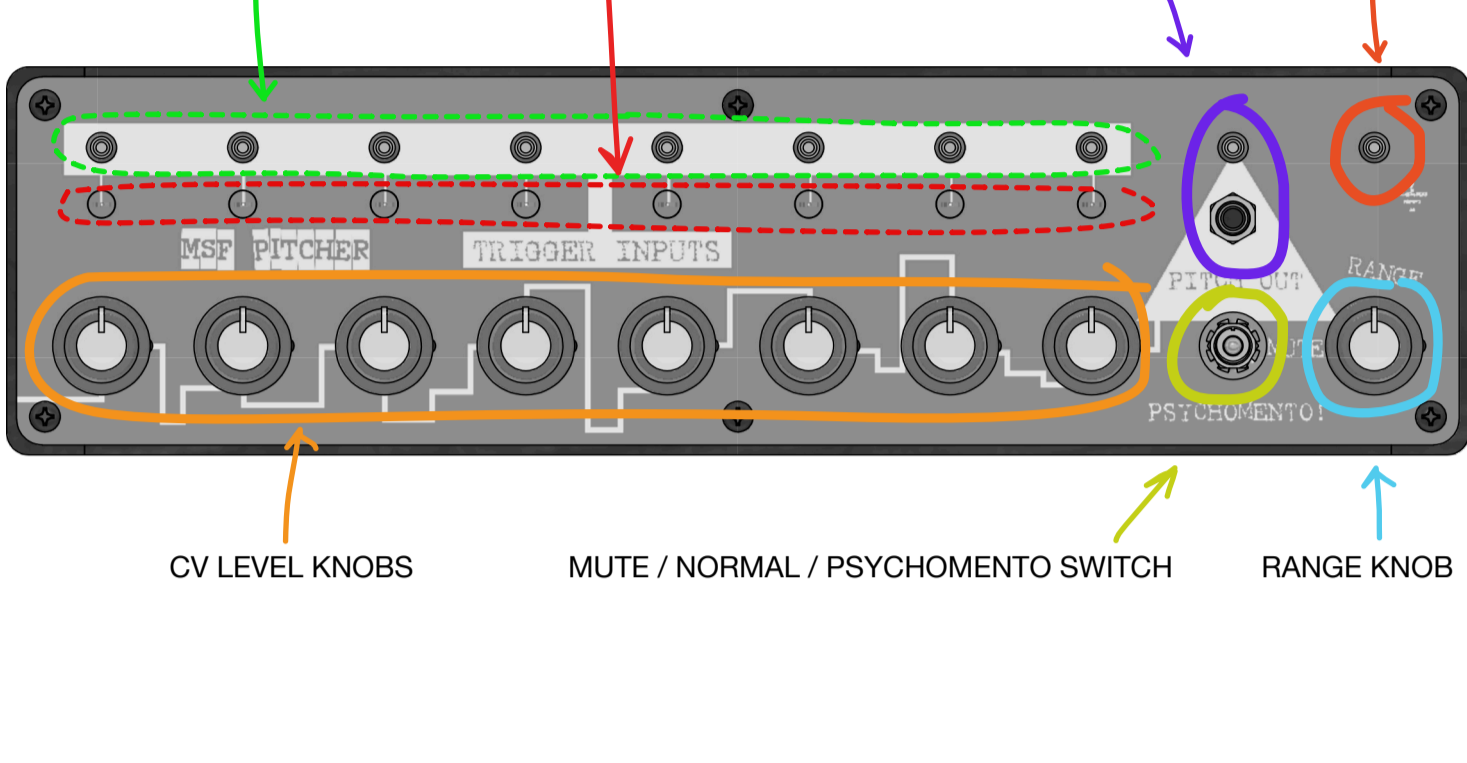
Pitcher is an add-on for Soma Ornament-8, allowing the user to generate sequential voltage in timings with the Ornament. This is a passive tool, so no power is needed — but this also puts some oddities in Pitcher's behavior.

Pitcher listens to trigger signals from the Ornament-8, and when the cell is active — cell's voltage, set by its knob, will be present on pitch out.

Pitcher is compatible with any gear that use CV and has dedicated Eurorack output for convenience. There is no difference between the pin and 3.5 jacks, they are normalized to each other.

Voltage on the output is unquantized, so you might want to pass it through the quantizer module to produce a scale.

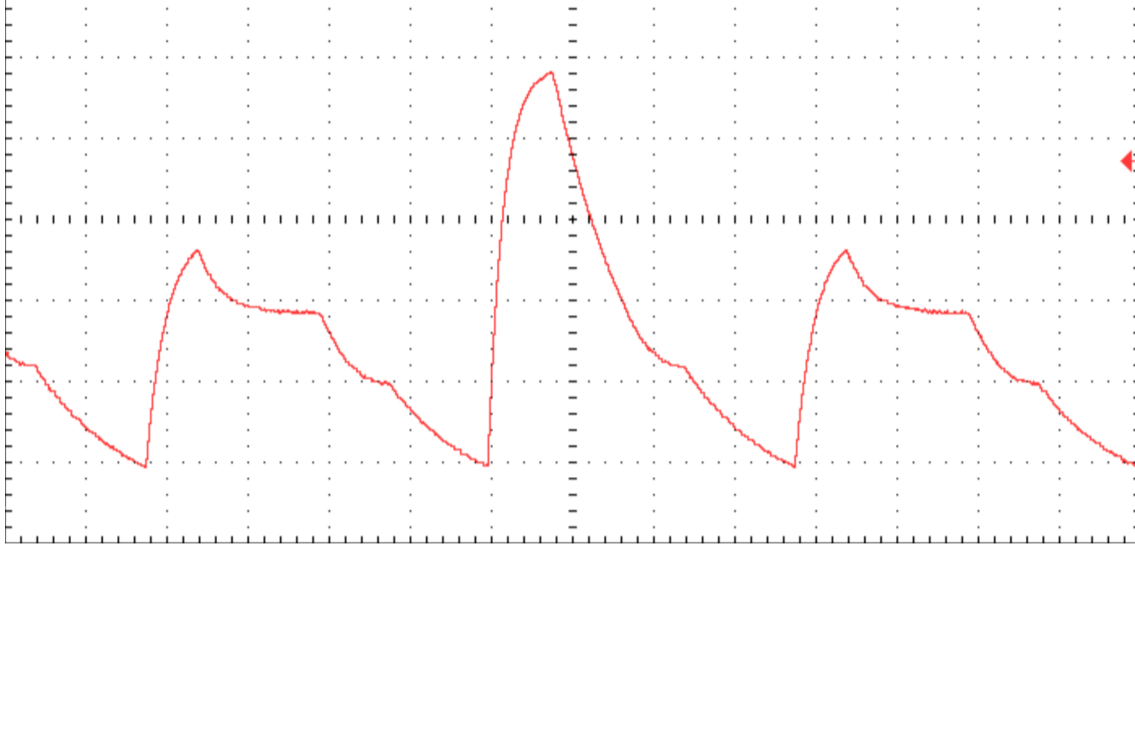
You can decrease the overall CV level with the "range" knob — it works as an output attenuator.



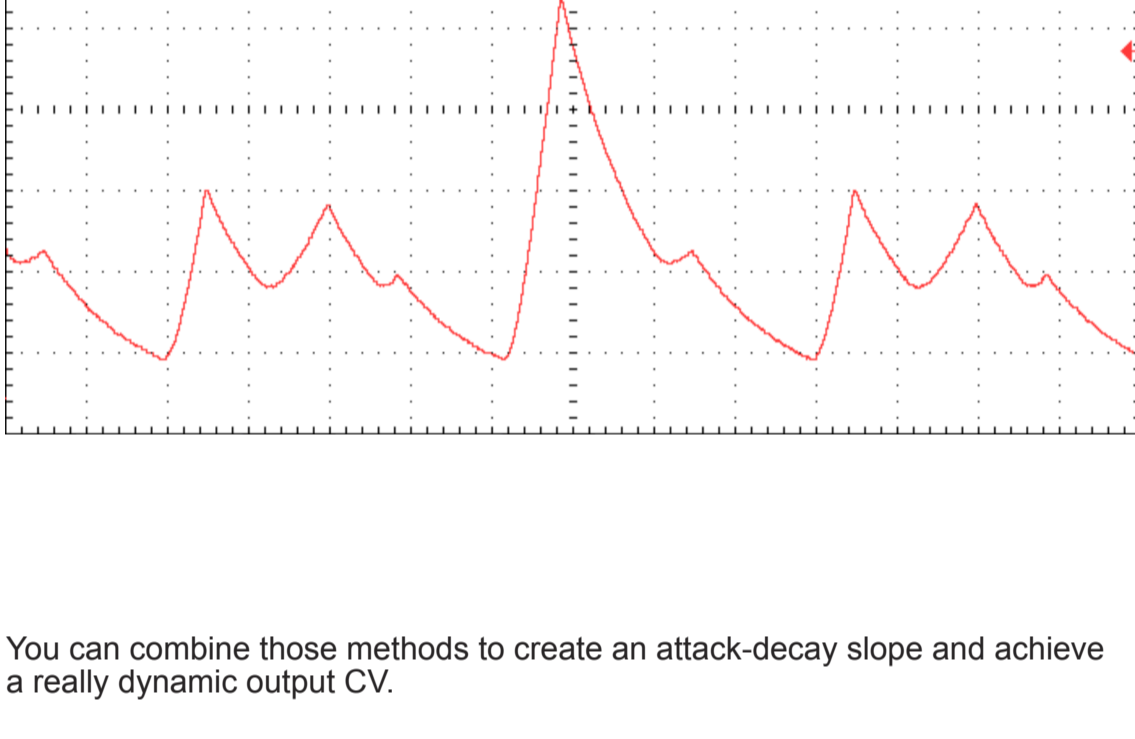
Psychomento switch and slope generation

Psychomento is a somewhat chaotic glide generator. It allows a little decay on output CV, sometimes producing nonlinear CV movements. This mode is great for long evolving drones as well as fast arpeggios or drums velocity.

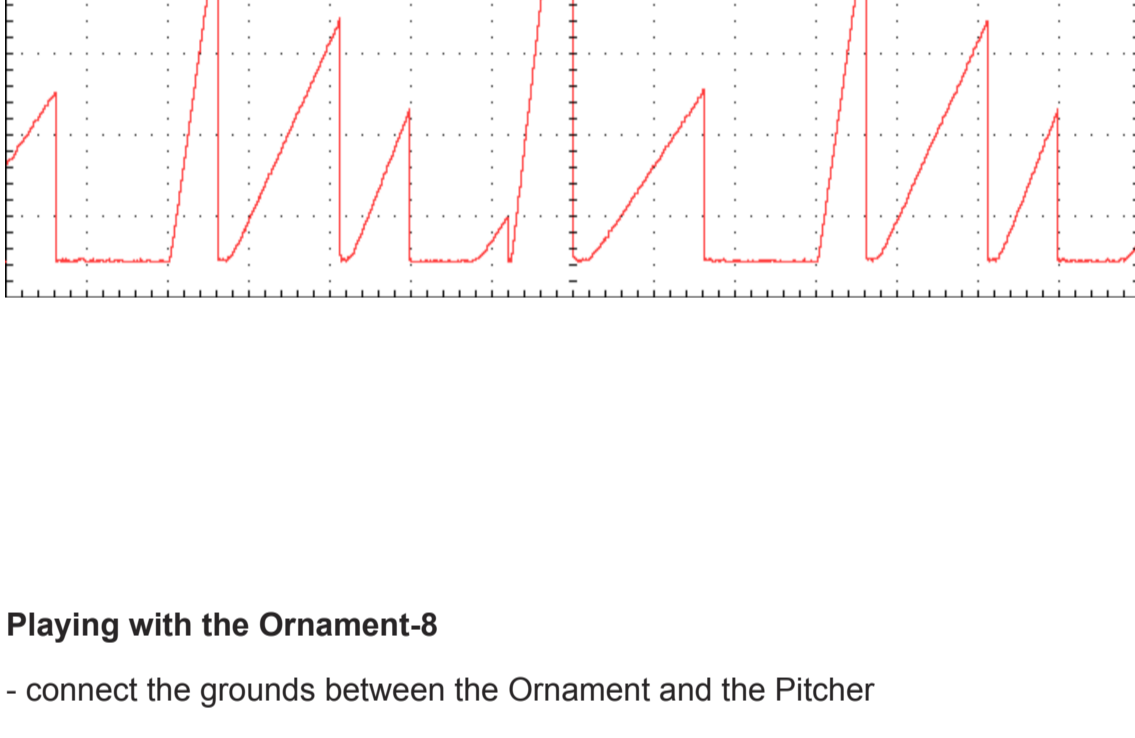
Another fun way to generate a slope is to connect Pitcher's inputs to Ornament's CV outs. This way you can achieve an attack slope, set by the cell's duration on Ornament. This picture demonstrates Pitcher's output with psychomento engaged while receiving cv from Ornament



Here is psychomento disengaged and inputs receiving CV from Ornament.v

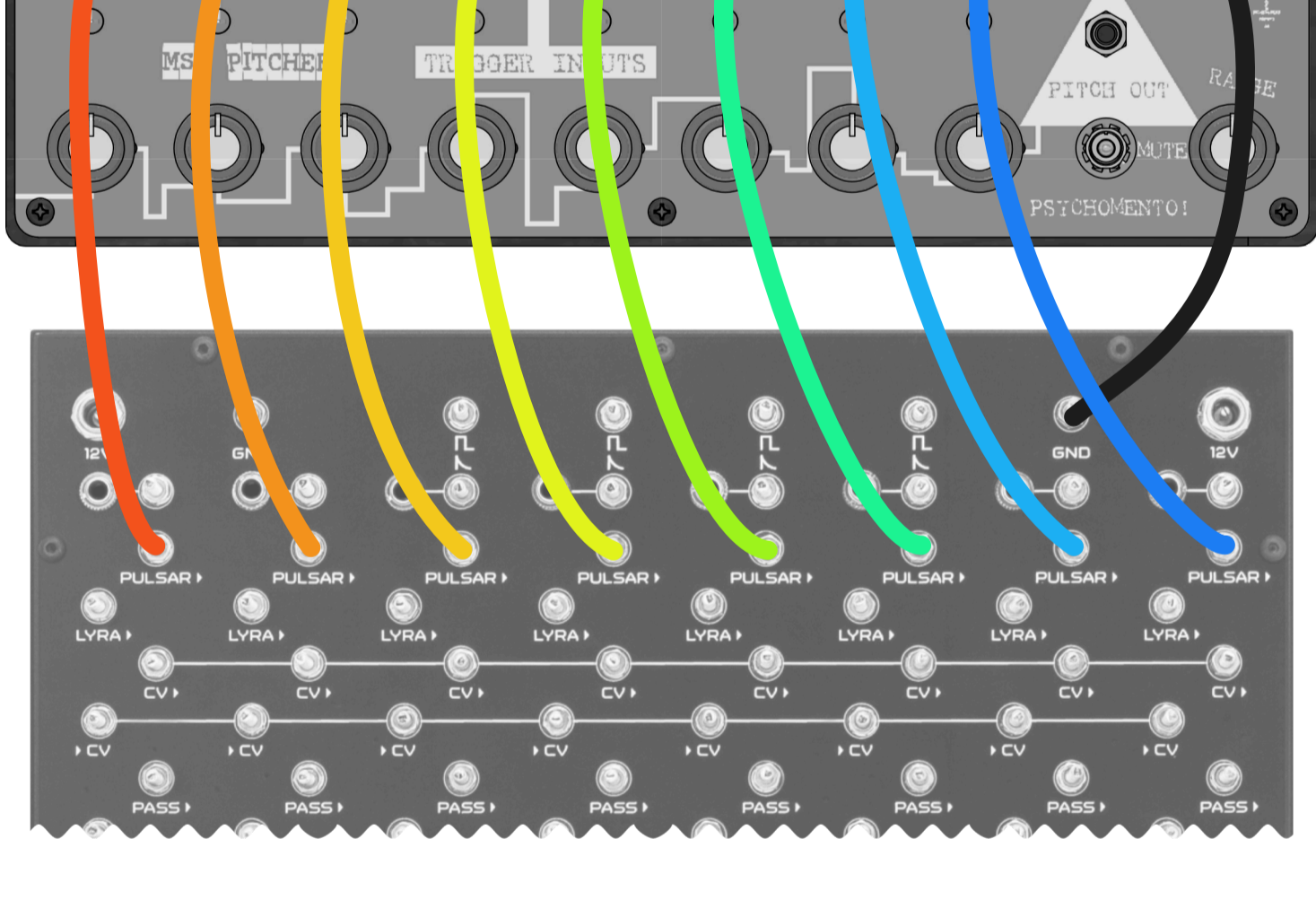


You can combine those methods to create an attack-decay slope and achieve a really dynamic output CV.



Playing with the Ornament-8

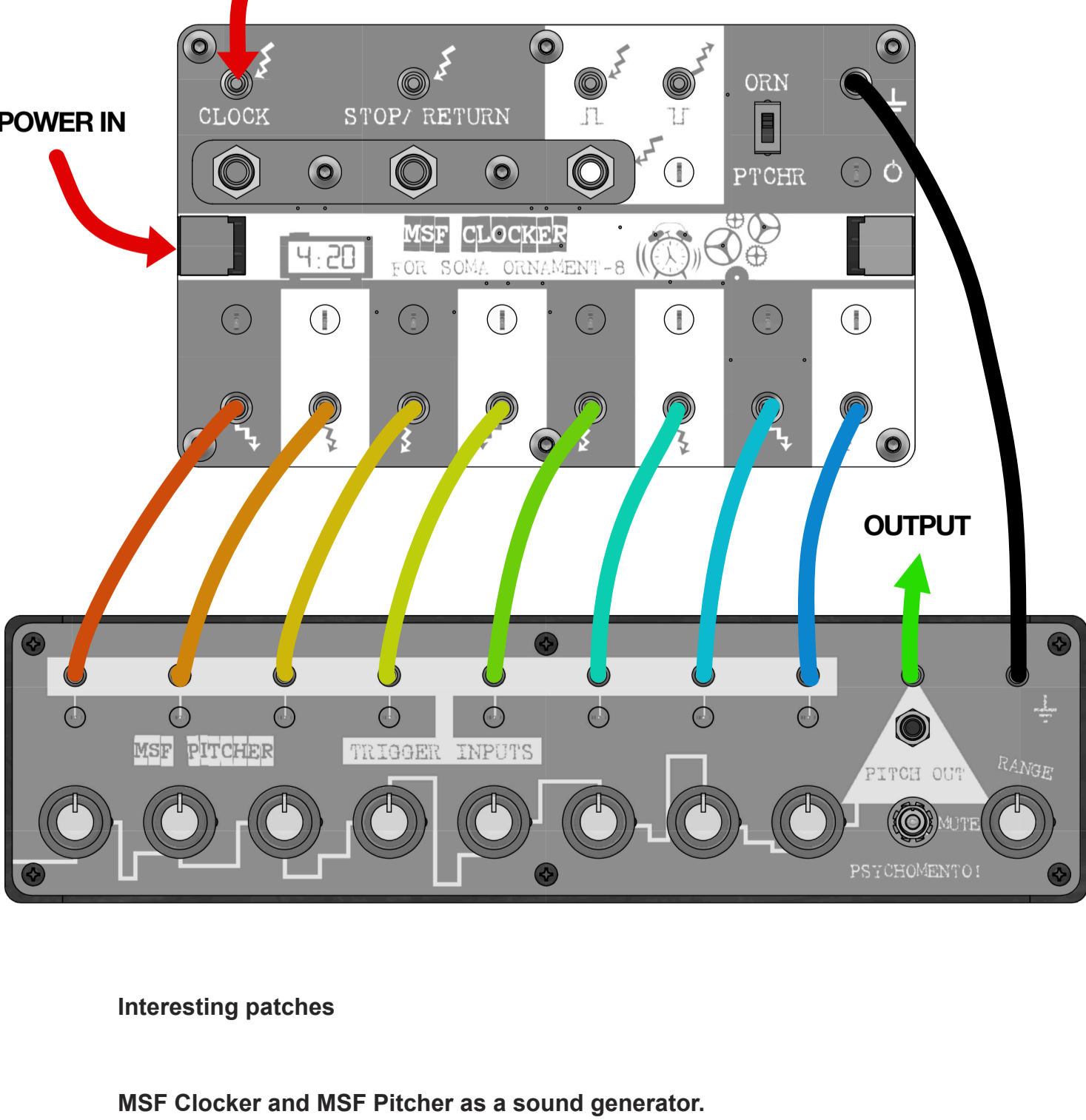
- connect the grounds between the Ornament and the Pitcher
- connect Pulsar outs of the Ornament to Pitcher's input pins
- program the voltage sequence with the knobs. Fully counterclockwise is the lowest voltage, fully clockwise — the highest.
- the Pitcher works best when only one trigger is sent to it the moment. If Pitcher receives more than one active gate from the Ornament it will output the greater value of a selected voltage. For example, in the picture below, two trigger inputs come simultaneously and therefore maximum voltage (the right one) is active at output.



Playing with the Clocker

You also can use Pitcher with Clocker - this setup will basically provide you with an old-school analog 8-step sequencer of unquantized voltages.

- connect the grounds between the Clocker and the Pitcher
- connect every gate output on the Clocker with the Pitcher's inputs
- make sure that the output level switch on Clocker is set to "ptchr"
- power up the Clocker
- put a pulse signal in clock in
- patch pitch out to an oscillator (with or without quantizer), filter cutoff or any modulation input in general
- obtain the groove structure
- enjoy the ride!



Interesting patches

MSF Clocker and MSF Pitcher as a sound generator.

One of the use cases of MSF Clocker is to turn it into an audio-rate pulse distribution system. In this mode, Clocker will produce a series of very short impulses on its pins, one by one.

This mode is unavailable with psychomento enabled.

If you patch those outputs to Pitcher, you can get a custom-shape sound generator, and you will be able to "draw" the desired waveform with Pitcher's knobs. The output wave voltage range is 0 to 12v.

Don't forget to connect the grounds of your devices!