

NLC ARSeq (Attack Release Sequencer)

actually 8 Step, making 4 AR Phases, also a clock divider

<https://www.nonlinearcircuits.com/modules/p/arseq>

The ARSeq (= Attack Release SEquencer) is, as the name implies, a hybrid sequencer and AR envelope generator. It contains a counter circuit with reset, 4 envelope generators and a mixer/inverter stage to get the sequenced output. The envelopes can be inverted if desired to give a greater voltage and complexity range of the output sequence. The individual 4 envelopes are available on the panel as well.

The main difference with this circuit and a regular EG is each envelope requires 2 clock pulses, one to start the attack and the next to start the release stage.

- clock 1: Attack stage Env 1, carry into Sustain stage if Att finished before clock 2 arrives
 - clock 2: Release stage Env 1
 - clock 3: Attack stage Env 2, output is mixed with the final parts of Env 1 if the release is set for a long fall. Carry into Sustain stage if Att finished before clock 3 arrives
 - clock 4: release stage Env 2
- etc

NOT TESTED

