# gator legio

## _travelers guide
## _for sawing through the swamp

| 2 | 3 | 6 |
|---|---|---|
| switches · 3 ways | cv inputs | hp |

[ pitch ] press  [ pitch ] hold  › then  noon = 12 o'clock  tags = the panel drawing

supersaw oscillator · detune, manis-style saw mod, stereo spread and phase-mod inputs

← back to the legio starsystem

= hold

### 01 what it is — ga_01

| | |
|---|---|
| supersaw | a stack of detuned saws |
| saw mod | manis-style shaping, a bit like hard sync |
| stereo | spread across L and R |
| in L R | pm · audio in · L feeds R if alone |
| out L R | stereo out, up to 16 V peak to peak |
| platform | a legio firmware · other firmwares |

### 02 pitch — ga_02 · enc

| | |
|---|---|
| [ enc ] turn | fine tune |
| [ enc ] press + turn | coarse tune |
| enc jack | pitch jack · –2 to +5 V |

### 10 first flight — ga_10 · the manual's tutorial

1. out through a stereo vca + envelope
2. a pitch sequence into enc
3. gates into the envelope
4. raise 1 and 2
5. random gates into trig

### 03 detune · saw mod — ga_03 · knobs 1 + 2

| | |
|---|---|
| 1 [ detune ] | spreads the saws apart |
| 2 [ saw mod ] | timbre shift, sync-like |

### 04 saw count · stereoness — ga_04 · s1 · s2 · top → bottom

| | |
|---|---|
| s1 saw count | how many saws |
| s2 stereoness | how wide the spread |
| note | the manual doesn't list the counts |

### __fig.01 : signal path — in → out




as the manual describes it

### 05 jacks — ga_05 · trig · cv · audio

| | |
|---|---|
| trig 8va | up an octave while the gate is high |
| in pm L R | phase-mod inputs · L feeds R if alone |
| out L R | up to 16 V peak to peak |
| cv | pitch –2 to +5 V · detune + saw mod 0 – 5 V |

### __fig.02 : waveforms — shape · mod




### 08 patch ideas — ga_08 · the manual

**lead** — any
out to a stereo vca, an envelope (ampla legio works) on gate

**octave jumps** — any
gate sequence or random gates into 8va

**pm movement** — any
another oscillator, or a second gator, into pm

### __fig.03 : the panel — numbers match the legend




| | |
|---|---|
| enc | pitch · fine tune |
| 1 | detune · spreads the saws apart |
| 2 | saw mod · timbre shift, sync-like |
| s1 | saw count · up · mid · down |
| s2 | stereoness · up · mid · down |
| trig | 8va · up an octave while the gate is high |
| cv | pitch · 1 · 2 · pitch –2…+5 V · others … |
| in | pm L / R · L feeds R if alone |
| out | out L / R · stereo out |

### 09 specs — ga_09

| | |
|---|---|
| size | 6 hp · 1.5 in deep |
| power | 140 mA +12 V · 22 mA –12 V |
| cv in | 0 – 5 V · pitch –2 to +5 V |
| trig | rising edge near +1.6 V |
| boot LEDs | yellow / yellow |