klang legio

_travelers guide
_for banging on the hull

2	3	6
switches · 3 ways	cv inputs	hp

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

mid-range percussion after basimilus · additive harmonics and spread · chainable

← back to the legio starsystem

= hold

01 what it is

kl_01

percussion	a mid-range voice based on basimilus
additive	extra oscillators for metallic or tonal hits
drums	part of the chainable legio kit
in L R	mix · 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

kl_02 · enc

[enc] turn	pitch
[enc] tap	mute · unmute
enc jack	pitch jack · –2 to +5 V

10 first flight

kl_10 · the manual's tutorial

1. a trigger pattern into trig
2. out to the mixer
3. tune enc
4. shape 1 + 2
5. raise s1 and s2

03 decay · impact

kl_03 · knobs 1 + 2

1 [decay]	decay length
2 [impact]	soft(ish) left, hard right

04 harm · spread

kl_04 · s1 · s2 · top → bottom

s1 harm	level of the additive oscillators
s2 spread	their pitch relationship
plainer	both at minimum + impact below noon

__fig.01 : signal path

in → out



as the manual describes it

05 jacks

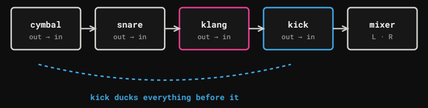
kl_05 · trig · cv · audio

trig hit	trigger · rising edge near +1.6 V
in mix L R	audio mixed in · L feeds R
out L R	up to 16 V peak to peak
cv	pitch –2 to +5 V · decay + impact 0 – 5 V

__fig.02 : the drum chain

out → mix in

any order · no mixer needed



08 patch ideas

kl_08 · the manual

plain hit — min · min
impact below noon

bass or lead — any
a pitch sequence into pitch

chain — any
patch one voice's out into the next voice's mix in · no mixer needed · kick ducks every voice before it, so put kick last for impact

__fig.03 : the panel

numbers match the legend



- enc **pitch** · pitch
- 1 **decay** · decay length
- 2 **impact** · soft(ish) left, hard right
- s1 **harm** · up · mid · down
- s2 **spread** · up · mid · down
- trig **hit** · trigger
- cv **pitch** · **1** · **2** · pitch –2…+5 V · others …
- in **mix L / R** · L feeds R if alone
- out **out L / R** · stereo out

09 specs

kl_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	magenta / white

design homage to the house of x / powers of x data pages — designed by tom muller with jonathan hickman · panel drawing after the noise engineering legio overlay template
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