kick legio

_travelers guide
_for firing the main thrusters

2 switches · 3 ways	3 cv inputs	6 hp

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

kick drum voice · wavefolding and saturation · ducks whatever comes in

← back to the legio starsystem

= hold

01 what it is

ki_01

kick	the kick of the legio kit
ducking	audio into duck dips on every hit
chain	put it last so it ducks everything before it
in L R	duck · 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

ki_02 · enc

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

10 first flight

ki_10 · the manual's tutorial

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

03 decay · impact

ki_03 · knobs 1 + 2

1 [decay]	decay length
2 [impact]	attack shape · soft left, hard right

04 tone · sat

ki_04 · s1 · s2 · top → bottom

s1 tone	wavefolding · lots · some · none
s2 sat	saturation · lots · some · none

__fig.01 : signal path

in → out



as the manual describes it

05 jacks

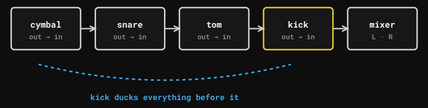
ki_05 · trig · cv · audio

trig hit	trigger · rising edge near +1.6 V
in duck L R	audio ducked by the kick · 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

ki_08 · the manual

end of chain — any
other drums into duck · they dip on every kick

keep one clear — any
patch a drum after kick so it isn't ducked

sidechain pad — any
a pad or bass into duck for pumping

__fig.03 : the panel

numbers match the legend



enc	pitch · pitch
1	decay · decay length
2	impact · attack shape
s1	tone · lots · some · none
s2	sat · lots · some · none
trig	hit · trigger
cv	pitch · 1 · 2 · pitch –2…+5 V · others …
in	duck L / R · L feeds R if alone
out	out L / R · stereo out

09 specs

ki_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 / 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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