tom legio

_travelers guide
_for firing the laser cannons

2	3	6
switches · 3 ways	cv inputs	hp

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

tom voice · retro synth toms, lasers, zaps and crunch · chainable

← back to the legio starsystem

= hold

01 what it is

to_01

toms	retro synth toms
and more	lasers, zaps and crunch
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

to_02 · enc

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

10 first flight

to_10 · the manual's tutorial

1. a trigger pattern into trig
2. out to the mixer
3. tune enc
4. shape 1 + 2
5. a slow 2 – 3 note sequence into pitch

03 decay · punch

to_03 · knobs 1 + 2

1 [decay]	decay time
2 [punch]	impact · soft left, hard right

04 tone · sat

to_04 · s1 · s2 · top → bottom

s1 tone	fold · lots · some · none
s2 sat	output saturation · lots · some · none

__fig.01 : signal path

in → out



as the manual describes it

05 jacks

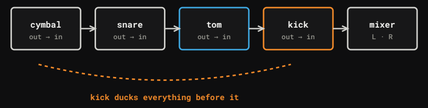
to_05 · trig · cv · audio

trig hit	trigger · 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 + punch 0 – 5 V

__fig.02 : the drum chain

out → mix in

any order · no mixer needed



08 patch ideas

to_08 · the manual

tom fills — any
a slow 2 or 3 note sequence into pitch

lasers — tone lots
short decay, high 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 time
2	punch · impact
s1	tone · lots · some · none
s2	sat · lots · some · none
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

to_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	blue / white