snare legio

_travelers guide
_for rattling the cargo bay

2	3	6
switches · 3 ways	cv inputs	hp

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

physical-model snare · body and wires shaped apart · drum or pitched voice

← back to the legio starsystem

= hold

01 what it is

sn_01

modelled	a snare drawn from marimba legio
body + wires	shaped separately
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

sn_02 · enc

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

10 first flight

sn_10 · the manual's tutorial

1. a trigger pattern into trig
2. out to the mixer
3. tune enc
4. body: 1 + s1
5. tail: 2 + s2

03 decay · noise

sn_03 · knobs 1 + 2

1 [decay]	body decay time
2 [noise]	wire decay time

04 impact · wire

sn_04 · s1 · s2 · top → bottom

s1 impact	hit intensity
s2 wire	wire tension
shape	body = decay + impact · tail = noise + wire

__fig.01 : signal path

in → out



as the manual describes it

05 jacks

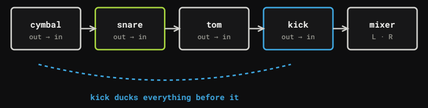
sn_05 · trig · cv · audio

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 + noise 0 – 5 V

__fig.02 : the drum chain

out → mix in

any order · no mixer needed



08 patch ideas

sn_08 · the manual

tight — any
short decay and noise

pitched — any
a pitch sequence for tonal snares

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 · body decay time
2	noise · wire decay time
s1	impact · up · mid · down
s2	wire · 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

sn_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	green / 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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