cymbal legio

_travelers guide
_for crashing into asteroids

2 switches · 3 ways	3 cv inputs	6 hp

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

granular metal percussion · cymbal, hi-hat and ride from real drum samples

← back to the legio starsystem

= hold

01 what it is

cy_01

granular	grains of real cymbal samples
types	cymbal, hi-hat and ride
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 morph

cy_02 · enc

[enc] turn	morphs between grain sources
[enc] tap	mute · unmute
enc jack	morph jack · –2 to +5 V

10 first flight

cy_10 · the manual's tutorial

1. a trigger pattern into trig
2. out to the mixer
3. pick a s1 type
4. shape with enc, 2 and s2
5. accents into 1

03 decay · tone

cy_03 · knobs 1 + 2

1 [decay]	decay time · a good accent destination
2 [tone]	brightness

04 type · alloy

cy_04 · s1 · s2 · top → bottom

s1 type	ride · crash · hat
s2 alloy	which metal · positions not named

__fig.01 : signal path

in → out



as the manual describes it

05 jacks

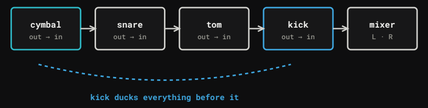
cy_05 · trig · cv · audio

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

__fig.02 : the drum chain

out → mix in

any order · no mixer needed



08 patch ideas

cy_08 · the manual

accents — any
patch accent gates to decay cv

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

hats vs ride — type
one pattern, flip type for variety

__fig.03 : the panel

numbers match the legend



enc	morph · morphs between grain sources
1	decay · decay time
2	tone · brightness
s1	type · ride · crash · hat
s2	alloy · up · mid · down
trig	hit · trigger
cv	morph · 1 · 2 · morph –2…+5 V · others…
in	mix L / R · L feeds R if alone
out	out L / R · stereo out

09 specs

cy_09

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