tymp legio

_travelers guide
_for boinging across the galaxy

2	3	6
switches · 3 ways	cv inputs	hp

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

synthetic drum voice · boing, cat and boot modes · ducks whatever comes into quack

← back to the legio starsystem

= hold

01 what it is — ty_01

drum voice	punchy synthetic hits
three modes	boing, cat, boot
ducking	quack audio dips under the hits
in L R	quack · 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 — ty_02 · enc

[enc] turn	fine tune
[enc] press + turn	coarse tune
enc jack	pitch jack · –2 to +5 V

10 first flight — ty_10 · the manual's tutorial

1. triggers into trig
2. out to the mixer
3. pick a s1 mode
4. shape 1 + 2
5. flip s2 for variations

03 decay · wack — ty_03 · knobs 1 + 2

1 [decay]	voice decay · also the quack duck time
2 [wackitude]	timbre

04 mode · tang — ty_04 · s1 · s2 · top → bottom

s1 boing	hats, bells, metal · no ducking
s1 cat	snares, toms, noise · quack ducks
s1 boot	kicks, subs, lasers · quack ducks
s2 tang	a variation inside each mode

__fig.01 : signal path — in → out



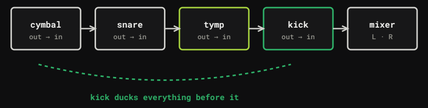
as the manual describes it

05 jacks — ty_05 · trig · cv · audio

trig hit	fires the voice + the duck · near +1.6 V
in quack L R	audio in, ducked in cat and boot · L feeds R
out L R	up to 16 V peak to peak
cv	pitch –2 to +5 V · decay + wack 0 – 5 V

__fig.02 : the drum chain — out → mix in

any order · no mixer needed



08 patch ideas — ty_08 · the manual

ducked bed — cat · boot
a pad or loop into quack

metal — boing
hats and bells, quack passes untouched

subs — boot
long decay, low pitch

__fig.03 : the panel

numbers match the legend



- enc pitch · fine tune
- 1 decay · voice decay
- 2 wack · timbre
- s1 mode · boing · cat · boot
- s2 tang · up · mid · down
- trig hit · fires the voice + the duck
- cv pitch · 1 · 2 · pitch –2…+5 V · others …
- in quack L / R · L feeds R if alone
- out out L / R · stereo out

09 specs — ty_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 / green
calibrate	power on with nothing in pitch cv to recalibrate