granulita versio

_travelers guide
_for voice resynthesis

16 chords · **32** grains at most · **7** knobs · 2 switches · hit

[hit] press [hit] hold › then noon = 12 o'clock numbers = the numbered panel

granular chord resynthesizer · up to 32 grains · shimmer reverb · a free firmware for any versio

← back to the versio starsystem

magenta = hold

01 what it is

gv_01

a resynthesizer	granular chord resynthesizer · one voice in, chords and harmonies out
feed it	a synth voice, samples or a plain oscillator
in 1 in 2	stereo in · in 1 alone feeds both sides
out 1 out 2	stereo out
every knob	an offset added to its cv jack, 0 – 5 V
swap in	free on any versio · how to swap · video

02 chord · voice

gv_02 · knobs 3 + 4 · fig.01

3 [chord]	picks the chord the grains build · 16 of them
4 [voice]	picks which chord note follows your input
voice max	your input becomes the lowest note
the LEDs	the voice note lights white, the others show steps from it, 1 – 12

03 pitch · blend

gv_03 · knobs 2 + 1

2 [pitch]	shifts the grains ±1 octave · not quantized
move it slowly	big transpositions or atonal smears
1 [blend]	dry to wet

04 count · length

gv_04 · knobs 6 + 7 · fig.06

6 [count]	how many grains · 0 – 32
count at 0	no grains play
7 [length]	grain length · 16 ms – 4 s

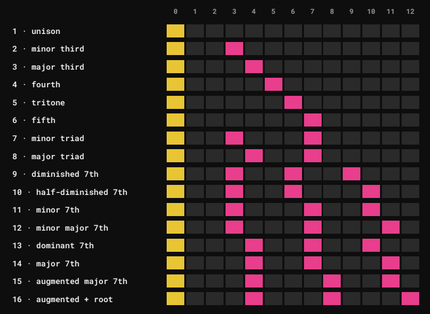
10 first flight

gv_10 · the manual's first patch

1. a saw or square into in 1 · out 1 out 2 to your mixer
2. 1 [blend] 2 [pitch] 6 [count] 7 [length] at noon
3. 3 [chord] 4 [voice] 5 [verb] fully left
4. abc mid (bth) · xyz left (frz)
5. turn chord and voice, then count and length
6. add verb for air · ease pitch round for the big moves

_fig.01 : sixteen chords

as the manual lists them



3 · chord picks one · semitones from the root · voice picks which lit note your input becomes

05 verb

gv_05 · knob 5 · fig.02

5 [verb]	shimmer reverb on the grains
first half	longer decay
second half	shimmering overtones join the tail
past 3:00	it rings forever

_fig.02 : verb

shimmer reverb in three zones

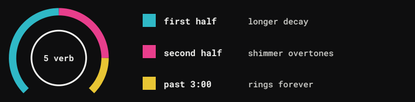


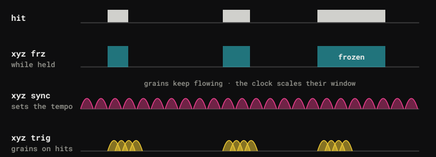
_fig.05 : signal path

from one voice to a chord



_fig.04 : hit by mode

the same presses, three results



06 switches

gv_06 · abc · xyz · fig.04

abc left	[rev] grains play backward
abc mid	[bth] each grain backward or forward at random
abc right	[fwd] grains play forward
xyz left	[frz] grains freeze while hit is held or the gate is high
xyz mid	[sync] grain timing follows a clock or tap tempo
xyz right	[trig] grains play only on a trigger or a press

08 five patches

gv_08 · the first three from the manual

basic chords · bth · frz
blend, pitch, count, length at noon · chord, voice, verb fully left · saw or square in · then turn chord and voice

clocked grains · sync
a clock into hit · count and length to taste

triggered grains · trig
a trigger sequence into hit · blend fully right

frozen pad · frz
hold hit on a note · verb past 3:00 for an endless tail

drifting chords · bth
slow cv on pitch for transpositions that never settle

07 hit · clock

gv_07 · fsu = hit

[hit]	freeze, tap or trigger, as xyz says
fsu jack	gate, clock or trigger · above 2 V
[hit] few s	in sync, resets the clock
sync is loose	the clock scales the grain window, it does not lock each grain · for tight timing use trig with a clock
boot	yellow · cyan · magenta · magenta = granulita is loaded

_fig.06 : count · length

how many · how long

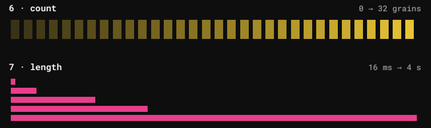


_fig.03 : the panel

numbers match the legend



1 **blend** · dry ↔ wet
2 **pitch** · ±1 octave, free
3 **chord** · 16 chords · fig.01
4 **voice** · which note follows
5 **verb** · decay · shimmer · forever
6 **count** · 0 – 32 grains
7 **length** · 16 ms – 4 s
abc **direction** · rev · bth · fwd
xyz **hit mode** · frz · sync · trig
fsu **hit** · freeze · tap · trigger
in **in 1 / 2** · in 1 feeds both if alone
out **out 1 / 2** · stereo out

09 specs

gv_09

cv in	0 – 5 V
hit gate	above 2 V
audio in	clips near 16 V peak to peak
size	10 hp · 1.5 in deep
name	esperanto for granulated · versio is latin for versatile