ruina versio

_travelers guide
_for folding space-time

5 kinds of damage	**128** dB of smoosh	**7** knobs · 2 switches · smoosh

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

stereo multi-distortion · fold, doom, rectify, saturate · smoosh · a free firmware for any versio

← back to the versio starsystem

magenta = hold

01 what it is

rv_01

a distortion box	stereo wavefolding, octave-down doom, phase, multiband saturation, rectifying and a notch
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 fold · doom · 8vize

rv_02 · knobs 2 · 4 · 7

2 [fold]	wavefolder, after the infinifolder
4 [doom]	sub-octave chorus · louder and more out of tune as it rises
doom top 1/4	overtone buzz joins in
7 [8vize]	full-wave rectifier, after pura ruina

10 first flight

rv_10 · the least distorted start

1. a saw into in 1 · out 1 out 2 to your mixer
2. 3 [center] 6 [drive] 5 [phase] 7 [8vize] at noon
3. 4 [doom] + 2 [fold] fully left · 1 [blend] fully right
4. both switches left (und · off)
5. bring in fold, doom, drive, 8vize · then phase
6. last: center + the notch, the chains, then [smoosh]

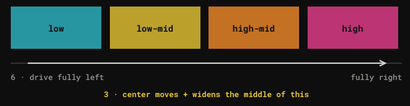
03 drive · center

rv_03 · knobs 6 + 3 · fig.01

6 [drive]	multiband saturation, after seca ruina
ccw · cw	lowest band alone · highest band alone · blends through four bands between
3 [center]	width + place of the middle band · also the notch frequency in trk

__fig.01 : drive bands

knob 6 · multiband



04 phase · blend

rv_04 · knobs 5 + 1

5 [phase]	shifts left against right · width and phasing
1 [blend]	dry left · both at noon · only the wreckage right

05 switches

rv_05 · abc · xyz · fig.02

abc left	[und] fold → doom → rectify → saturate
abc mid	[x] fold → saturate → rectify → doom
abc right	[ovr] fold → doom → rectify → saturate → fold again
xyz left	[off] no notch
xyz mid	[on] notch fixed at 1 kHz
xyz right	[trk] notch follows center

__fig.02 : the three chains

abc · und · x · ovr



07 smoosh

rv_07 · fsu = smoosh

[smoosh]	128 dB of gain while held
fsu jack	a gate does the same · above 2 V
boot	cyan · cyan · magenta · magenta = ruina is loaded

08 three patches

rv_08 · from the manual

first patch — und · off
a saw into in 1 · center, drive, phase, 8vize at noon · doom + fold fully left · blend fully right · then fold, doom, drive, 8vize, phase, center, the switches, smoosh

drum crusher — any
blend noon · fold + doom left · distort with drive, center, 8vize · hit smoosh

smoosh sequencing — any
gate patterns into smoosh on a simple wave · or mult the drum trigger · or random triggers

__fig.04 : signal path

from the manual



the manual doesn't give the exact place of notch + phase

__fig.06 : what the LEDs say

at boot

boot — ruina is loaded

__fig.03 : the panel

numbers match the legend



1	blend · dry ↔ wet
2	fold · wavefolder
3	center · middle band · notch
4	doom · sub-octave chorus
5	phase · L vs R
6	drive · multiband sat
7	8vize · rectifier
abc	chain · und · x · ovr
xyz	notch · off · on · trk
fsu	smoosh · 128 dB gain
in	in 1 / 2 · in 1 feeds both if alone
out	out 1 / 2 · stereo out

09 specs

rv_09

cv in	0 – 5 V
fsu gate	above 2 V
audio in	clips near 16 V peak to peak
size	10 hp · 1.5 in deep
power	version a 70 mA +12 V · 70 mA –12 V · version b 125 mA · 10 mA · no 5 V