ampla versio

_travelers guide
_for sealing the airlock

4	3	7
envelope stages	filter types	knobs · 2 switches · gate

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

adsr vca + resonant multimode filter gate · stereo chorus · a free firmware for any versio

← back to the versio starsystem

cyan = hold

01 what it is

av_01

a vca + filter gate	an adsr drives a stereo vca, a resonant multimode filter, or both · plus a stereo chorus
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 blend · res

av_02 · knobs 1 + 2

1 [blend]	pure vca (left) to vca + filter (right)
fully right	behaves like a lowpass gate
2 [res]	filter resonance

10 first flight

av_10 · a clean start

1. sound into in 1 · out 1 out 2 to your mixer
2. 1 [blend] fully left · xyz 0
3. a gate into fsu, or press [gate]
4. set 3 [a] 5 [d] 6 [s] 4 [r]
5. bend the shape with 7 [curve]
6. then blend right, pick a filter, add res and chorus

03 the envelope

av_03 · knobs 3 · 5 · 6 · 4 · 7 · fig.01

3 [a]	attack time
5 [d]	decay time
6 [s]	sustain level
4 [r]	release time
7 [curve]	envelope shape · log through linear to exponential
ranges	the manual gives no times

__fig.01 : the envelope

a · d · s · r · curve

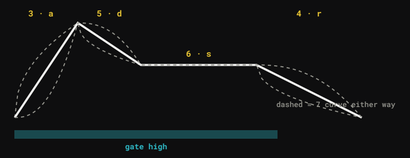


__fig.02 : signal path

as the manual describes it



the adsr, opened by gate, drives the vca level

04 switches

av_04 · abc · xyz

abc left	[lp] lowpass filter
abc mid	[bp] bandpass filter
abc right	[hp] highpass filter
xyz left	[0] chorus off
xyz mid	[i] some chorus
xyz right	[ii] lots of chorus

05 gate

av_05 · fsu = gate

[gate]	a manual gate · holds the envelope open while pressed
fsu jack	gate in · above 2 V
boot	yellow · cyan · magenta · ampla is loaded

08 four patches

av_08 · from the manual · abc · xyz

gated vca — any · 0
blend fully left · audio into in 1 (+ in 2) · a sequencer gate into fsu · shape with a d s r and curve

filtered gate — lp / bp / hp · 0
same patch, blend fully right · pick lp, bp or hp · res to taste

add chorus — · i / ii
flip xyz to i or ii for width

variation — any
a sequencer cv, velocity or mod wheel into blend for a different tone every note

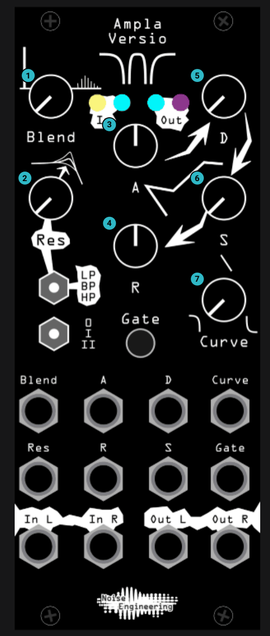
__fig.04 : what the LEDs say

at boot

boot  ampla is loaded

__fig.03 : the panel

numbers match the legend



1	blend · vca ↔ vca + filter
2	res · resonance
3	a · attack
4	r · release
5	d · decay
6	s · sustain
7	curve · log · lin · exp
abc	filter · lp · bp · hp
xyz	chorus · 0 · i · ii
fsu	gate · button · jack
in	in 1 / 2 · in 1 feeds both if alone
out	out 1 / 2 · stereo out

09 specs

av_09

cv in	0 – 5 V
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