

Acrobatics

presents

ALIENO 2.0 - Modular Madness edition

New version introduces several enhancements:

- a wider selection of generators with different synthesis techniques
 - the ability to use and load **wavetables**
 - the ability to load **samples**
 - the ability to select **new filters**
- a **new example bank** named "Modular Madness"

This is done introducing swappable modules:

-Lateral **Strums** can be swapped with "**Cicuta**" TWM modules or "**Pulser**" Digital PWM modules. The new armour elements provide largely extended timbres capability for the battle of sound engaged.

-Central **Core** element can be swapped with "**Brush**" phase modulation synth, "**Ta-blist**" double wavetables reader or "**Diver**" sample player. The new audio brains offer endless audio sources as the User can now load any .WAV file of any length and use any wavetable of any points detail.

-Bottom **Lumilux** SVF filter can be swapped with "**RuneBoard**" 12 dB RBJ multi-filter, "**Opal**" zero-pole free filter, "**Groov-R**" 18dB filter with distortion or "**Digital Boy**" bit reducing unit. These new elements give Alieno massive filtering capabilities and expand creativeness.



You can fast-access swapping using green link cords around Alieno generators or activating MODULES menu which pops-up on the animator screen clicking on the icon shown above, located on the left bottom of the cockpit. Next pages of the document explain the new modules in details.

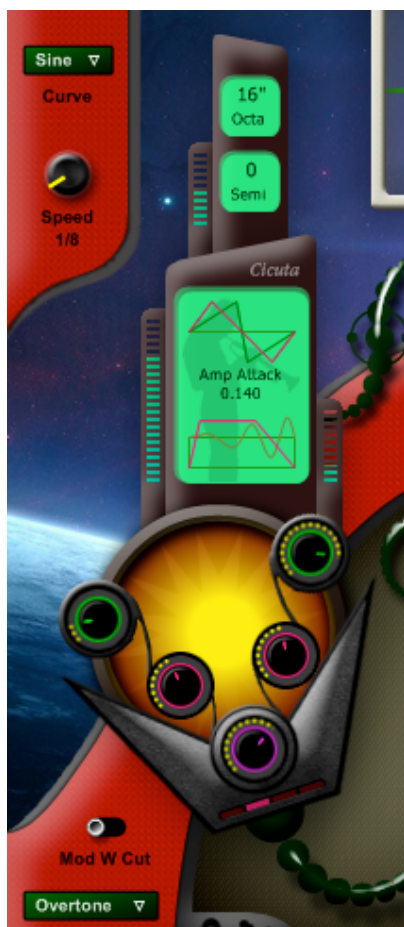
Happy playing!
Acrobat

Cicuta

This lateral modules are built around a proprietary Acrobatics application of TWM = Triangle Width Modulation, this last featured rarely on hardware synthesizer. Cicutas are particularly indicated for emulating brass articulations, but can obviously be used to generate further more interesting sounds.

User can easily act on every aspect of the duty cycle and modulation using metric knobs and the LCD responsive screens: User can control volume, tune and transposition, speed, start, range, phase, direction of the cycle, can program a dedicated LFO for the essential dirtiness of sound. User can also choose between plucked and sustained enveloping and its times.

Cicutas can be animated by pitch as the original Strums but there's an additional regulation slider for the strength, directing different quantity of animation to the two modules..



Pulser

Pulsers sports an algorithm to obtain Digital Pulse Trains and produces a particularly rough pad sound, to be sculpted in many ways with the the original State Variable Filter or new special filters featured by Alieno 2.0.

Pulsers are well suited for the most energetic styles and music passages and the modulation of trains is so fast that it enters the audio range, creating both harmonic and inharmonic timbres with dramatic effect. Trains of waves start counter-phase or in-phase, producing alternatively punchy banging attacks or extremely subtle insertions. Controls are similar to the original Strums' ones, with the plus of a special ADS envelope and width modulation controls.

These units can be animated by pitch or by amplification to let use animator as a super-flexible volume gate.



Brush

This is a flexible phase modulation synth, which offers wider palette of sounds to Alieno synth.

The three envelopes respectively control amplification, phase modulation and self modulation.

Via LCD later buttons the User can select ratio, modulation and self-modulation width, transposition, animation, color of oscillators, amplification and chorus effect parameters.



Tablist

This unit has a built-in set of wavetables and the ability to load users' waves via text files.

There's two slots that share the same set of waves but they can be tuned differently with the spread control. The envelope is an ASR (attack-sustain-release) type.

The animation function can modulate pitch and at the same time or alternatively create an interesting "slot vo-

lume mix" that resembles wavesequencing.

Diver

A sample player assure an infinite variety of sounds to the Alieno system.

Diver reproduces .wav files in double precision tech with essential keyboard tracking, looping, base note and volume controls. It can also give a basic mangling too: starting position knob, fade-in and release knobs.

The unit can be animated by volume, creating rhythmic gate effects with the animator.



RuneBoard

This is a multifilter in RBJ tech that works in time. The values casted randomly are applied to germanic runes symbols on a round table and cycle in sync or free-run giving a special unpredictability to the sound. User can set the filter to usual LP, BP, HP, PEAK, NOTCH, Low-SHELF or HighSHELF modes and blend the board effect with “tame” or “mix” functions, from utterly static to totally rumbling ways. The filter can be used statically and can be of course animated too.



Opal

This is a graphic interfaced zero-pole filter. A free and perilous “do what you like”. Double-clicking on Zero and Pole cursors lock them to the horizontal axis instead of running freely over the value board. Just as in a filter study, graphic control leads to a continuous morph from, say, a shelf to a lowpass and can reach massive phase distortion settings.



Groov-R

A 18dB is absolutely necessary for groovy music style, and has its typical harmonic quality. A dedicated decay envelope with slider and a distortion stage complete the unit. The decay of filter can be directed positively or negatively for squeaks or growls. Animation can be conveniently driven to cutoff or resonance to recreate classic “acid” sound.



Digital Boy

This unit allows to reduce resolution of sound around its amplitude, with pre-filtering and post-filtering stages for additional sculpting of frequencies giving peculiar characterization to the effect.

The tilt slider decides the pendance on highs or lows, centre mix knob blends the reduction and number of bits can be animated.



External MIDI control reference tables

Module	Position	Control	General Midi	nano Kontrol	nano scene
Cockpit	D	Modulation Wheel can control filter and overdrive	1	1	1
	N/A	Breath Controller	2	2	-
	LCD	Aftertouch can control vibrato	AFT	AFT	-
	LCD	Velocity can control volume	VEL	VEL	-
	D	Glide Control	5	110	1
	D	Glide On/Off	65	65	1
	D	Main Out	7	112	1,2,3,4
	D	Reverb Out	91	113	1,2,3,4
Effect	L	Warp Factor	92	114	1
	R	Repeater Mix	93	115	1
Animator	U	Smoothing	6	82	1
	U	Speed	3	83	1
Strum A	A	Amplitude	16	17	2
	A	Detune	17	16	2
	A	Brilliance	70	14	2
	A	FadeIn	73 (linked)	15	2
	A	Animate	80	10	2
	A	Octave	84	-	-
Strum B	B	Amplitude	18	27	2
	B	Detune	19	26	2
	B	Brilliance	71	24	2
	B	FadeIn	73 (linked)	25	2
	B	Animate	81	20	2
	B	Octave	85	-	-

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Module	Position	Control	General Midi	nano Kontrol	nano scene
Cicuta A	A	Amplitude	16	17	2
	A	Attack	73 (linked)	15	2
	A	Decay / Release	66	19	2
	A	Depth	70	14	2
	A	Speed	68	18	2
	A	Octave	84	-	-
Cicuta B	B	Amplitude	18	27	2
	B	Attack	73 (linked)	25	2
	B	Decay / Release	67	29	2
	B	Depth	71	24	2
	B	Speed	69	28	2
	B	Octave	85	-	-
Pulser A	A	Amplitude	16	17	2
	A	Attack	73 (linked)	15	2
	A	Decay	66	19	2
	A	Depth	70	14	2
	A	Speed	68	18	2
	A	Octave	84	-	-
	A	Animate	80	10	2
Pulser B	B	Amplitude	18	27	2
	B	Attack	73 (linked)	25	2
	B	Decay	67	29	2
	B	Depth	71	24	2
	B	Speed	69	28	2
	B	Octave	85	-	-
	B	Animate	81	20	2

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Module	Position	Control	General Midi	nano Kontrol	nano scene
Core	C	Amplitude	12	77	3
	C	Detune	14	76	3
	C	Pulse Width	13	74	3
	C	FadeIn	73 (linked)	75	3
	C	Animate	82	70	3
	C	Octave	86	-	-
Brush	C	Amplitude	12	77	3
	C	FM1	78	78	3
	C	FM2	79	79	3
	C	Color	13	74	3
	C	Attack	73 (linked)	75	3
	C	Decay	89	89	3
	C	Chorus Amount	14	76	3
Tablist	C	Amplitude	12	77	3
	C	Spread	13	74	3
	C	Attack	73 (linked)	75	3
	C	Decay	89	89	3
	C	Animate Pitch	82	70	3
Diver	C	Amplitude	12	77	3
	C	Start Sample	13	74	3
	C	Attack	73 (linked)	75	3
	C	Release	89	89	3
	C	Animate	82	70	3

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Module	Position	Control	General Midi	nano Kontrol	nano scene
Lumilux	F	Cut Off	74	84	1
	F	Resonance	75	85	1
	F	Tracking	76	86	1
	F	Animate	83	80	1
RuneBoard	F	Frequency	74	84	1
	F	Resonance	75	85	1
	F	Tame	76	86	1
	F	Mix	77	87	1
Groov-R	F	Cut	74	84	1
	F	Res	75	85	1
	F	Env	76	96	1
	F	Decay Time	4	97	1
Digital Boy	F	Bits	75	85	1
	F	Tilt	76	86	1
	F	Mix	77	87	1
	F	Animate	83	80	1

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Acrobatics Software

<http://www.blank-media.it/acrobatics>
acrobatics@blank-media.it