Dr. Speaker Blower
and
www.ourafilmes.com

Presents

SPEAKER BLOWER SYNTHS

Dr. Speaker Blower Synths pack
VSTi Plugins for 32 bit Windows

Demo versions **and full versions available in www.ourafilmes.com**

Demo versions - Terms of License Agreement:

- You are NOT ALLOWED to sell the software or charge for its access.
- You are NOT ALLOWED to redistribute this version of the software - you must link to www.ourafilmes.com.
- You may use the program in personal and/or commercial music (credits are welcome).
- You are not allowed to modify, decompile or reverse-engineer the software. - This software is not copy-protected but protected by national & international copyright-laws.
- Changes & enhancements may be made without prior notice and a grant that further editions will read patches from former version cannot be given.
- The software is supplied as is. Use this program on your own risk and your own responsibility.

Full versions - Terms of License Agreement:

- The software is supplied as is. You must try the demo versions first on your system and check for any incompatibilities before you buy.
- You are NOT ALLOWED to give, share, rent or sell the software or charge for its access. The software is for your own personal use only - on a maximum of 3 computers simultaneously.
- You are NOT ALLOWED to distribute online or by other means this version of the software.
- You may use the program in personal and/or commercial music (credits are welcome).
- You are not allowed to modify, decompile or reverse-engineer the software. This software is not copy-protected but protected by national & international copyright-laws.
- Changes & enhancements may be made without prior notice and a grant that further editions will read patches from former version cannot be given.

About this software

First, thanks for downloading and reading this.

This is the result of many, many long nights of hard work (for the last 8 years).

This plugin pack has been created for my personal use on the PC but I won´t develop it anymore. These are final versions and updates are not expected. Personally, I am only using some of these synths now, so

SOME OF THESE PLUGINS ARE NOW FREE IN THE OURAFILMES FACEBOOK PAGE BUT ONLY FOR LIKERS! CHECK IT www.facebook.com/ourafilmes

More info in www.ourafilmes.com/facebook_pack.html

By buying this pack, you are helping me (paying a little for my hard work and helping paying the internet servers as I don´t have any advertisements in my websites) and you will receive a complete set of exclusive tools to transform and upgrade your sound to a new dimension. You simply won´t believe the nice price! This is value for money! Check it out in www.ourafilmes.com

I use them only on a Pentium 4 3.2 GHz/3 GB ram - Windows XP SP2 machine with Logic Platinum 5.5.1 and Ableton Live 7 – with a RME Hammerfal DSP card – ASIO driver always set on 3ms. All these plugins work perfectly on my system. I do not know how they perform on other systems/hosts. You must check it out!

Make some noise and watch your speakers!

Dr. Speaker Blower
www.facebook.com/dr.speakerblower
www.facebook.com/ourafilmes
www.facebook.com/sbrecs
www.ourafilmes.com
www.speakerblower.com
www.sbrecs.net
www.drsb.net

I will not be responsible if these tools make you a better musician!

Available synthesizers:

-**SB-1** (12 voices - classic and simple 2 oscillators + sub analog design)

-**SB-2** (32 voices - complex stereo detuning semi-modular digital and analogue design with 3 oscillators + sub + noise)

-**SB-3** [1] (16 voices - stereo detuning 3 oscillators + sub analog design)

-**SB-4** (32 voices - stereo detuning 3 double oscillators + sub + noise analog design)

-**Lusus 3.0** (24 voices – 2 classic and 2 digital oscillators + sub + noise + ring modulator analog design)

-**Rufius 1.1** (1 voice – 2 classic oscillators with PWM + 2 sub + noise + ring modulator analog design)

1 – It is also available in a free, limited version (LE) in www.sbrecs.net/vst.htm

Mp3 demos available in www.ourafilmes.com

Available in ALL synthesizers:

-No copy protection schemes, serial numbers or need of any usb hardware key

- No hidden viruses, spyware, shitware or anything unrelated with music making software – these are only my personal vst instruments!

-Zero latency

-Full automation

-Modifier keys: **Shift** (fine tuning) and **Control** (default value)

-Clear, intuitive, easy to use GUI

-Vintage sci-fi design

SB-1 (v.1.2)

Features:

-1 or 12 Voices (Mono/Poly)

-Ultra analogue circuitry option

-2 oscillators (sine, saw and square waves) + sub (square wave) design

-Portamento (not in poly mode)

-Pitchbend (up to 24 semitones)

-12 dB or Mad Dog 24 dB LP filter

-Sync/free run lfo (Triangle wave)

-2 envelopes (amplifier+filter)

-Effects: OuraDrive, Chorus (7 positions notched knob), Gater (trance gate)

-Stereo Imager on output stage

-Output amplifier with limiter

-LCD display with midi channel selector

-Spider-eyes style level meter

-33 presets on board

SB-2 (v.1.2)

Features:

-Semi-modular full stereo architecture with stereo detuning

-1 or 32 Voices (Mono/Poly)

-Ultra analogue or digital circuitry option

-Stereo Detune (with on/off switch)

-3 stereo oscillators [(6 when Stereo Detune is turned on) each with 24 exclusive waves plus classic sine, saw, triangle and square waves] + mono sub-oscillator (sine wave) + mono noise generator

-Modulation wheel pitch modulation

-Portamento (not in poly mode) – appears as glide

-Pitchbend (up to 24 semitones)

-Hold note/free modes when in monophonic keyboard mode

-Dual multifilter with serial or parallel configurations

-Filter 1 types: Mad Dog 24 dB LP, Moog LP 12 dB, BP 12 dB, HP 12 dB, HP 24 dB

-Filter 2 types: LP 24 dB, LP 12 dB, HP 12 dB, BP 12 dB, Notch 12 dB

-Filter drive with 2 configurations: pre-filter or post-filter

-1 sync step lfo

-2 Sync lfos (sine, saw+, saw-, square and triangle waves)

-3 envelopes (amplifier+modulation)
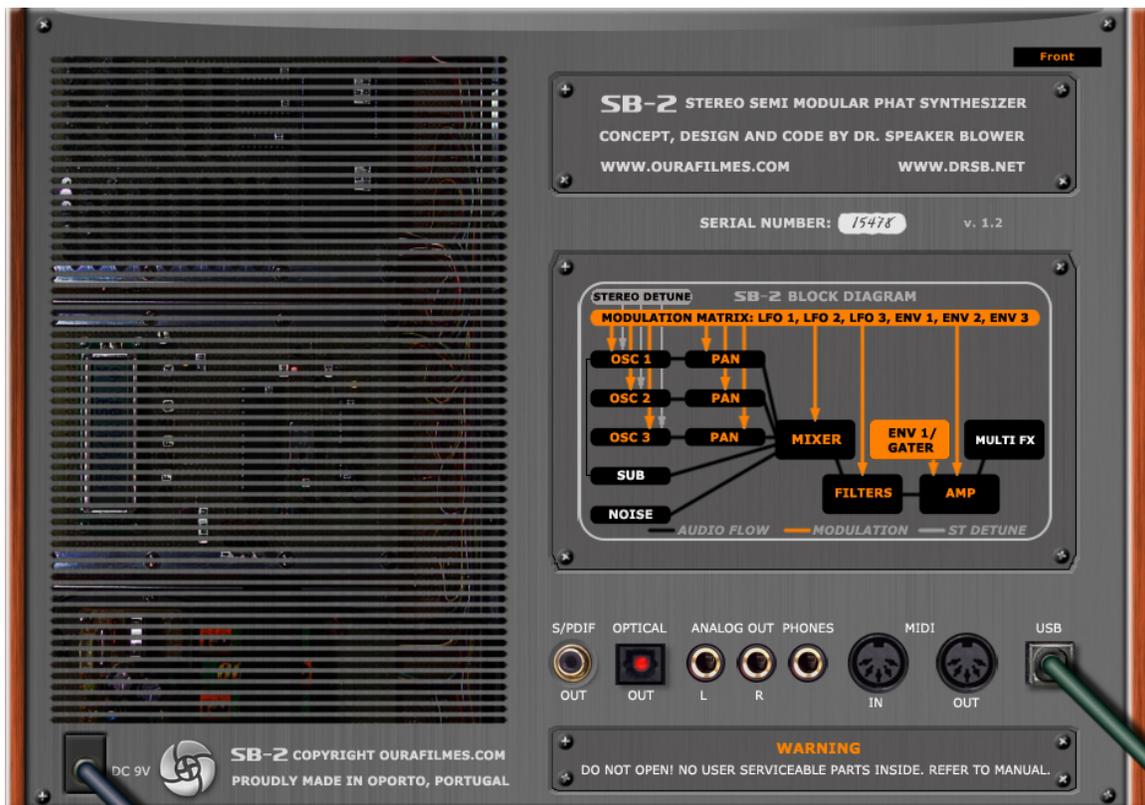
-Amplifier and filters velocity sensitivity separate section

-12x12 Modulation Matrix for complex modulation schemes

-Matrix sources: envelope 1, envelope 2, envelope 3, lfo 1 (step lfo), lfo 2 and lfo 3

-Matrix destinations: oscillator pitch (1,2,3), oscillator amplifier (1,2,3), sub-oscillator amplifier, noise amplifier, oscillator pan (1,2,3), filter cutoff (1,2), filter resonance (1,2), all oscillators pitch, all oscillators amp, all oscillators pan, all filters cutoff, all filters resonance

-Effects: Gater (trance gate) + exclusive Multi-FX processor (3 simultaneous effects)

-Multi-FX processors: Chorus Delay; Delay Verb; Distorted Chorus; Flanger; QuadStortion, Stereo Delay, Tape Delay, R-Verb – each one has a bypass switch

-Master Multi-FX bypass

-Multi-FX serial or parallel configurations with mix knob

-Stereo Imager on output stage

-Output amplifier with built-in limiter

-VU (output metering)

-Dual LCD display

-64 presets on board

-Back view with block diagram map (audio flow + modulation flow)

-Intuitive and easy to use GUI – complex, but everything is at sight - no hidden pages!

-Vintage Sci-Fi design

-Midi Learn feature on all knobs for easy control with hardware

SB-2 KNOWN ISSUES

-Envelopes 2 and 3 release times must match or be smaller than the release time of envelope 1. Otherwise it is difficult to play several fast notes (synth bass for example) because the modulation matrix is still processing the release time of the envelopes 2 or 3.

-Matrix is too slow to process when choosing source or destinations. I recommend to do not change these parameters while playing. Amount values are no problem.

-Moog filter 12 dB on filter 1 is not 100% stable when a lot of modulation sources are assigned to it. If you want to modulate it with many sources, I recommend the usage of low modulation values on all sources. It sounds good enough to stay until the next update...

-Multi FX effects automation settings were removed because they simply filled the whole automation menus due to their high number (8 effects with 5 parameters each, multiplied by three is the same as 120 automation parameters!). At this time, I can not find any possible working way of just appearing the selected effects in the automation menu. It should be possible, but my knowledge is not enough to reach it at this time. As I am dedicating 100% to my PhD now, my available time to try other possible ways is none...

SB-3 (v.1.2)

Features:

-1 or 16 voices (Mono/Poly)

-Optimized for monophonic use (bass/leads) - low cpu usage

-Full stereo phat sounding Architecture

-Stereo detune (with on/off switch)

-Ultra Analogue or Phat option (analogue modelling circuitry)

-3 oscillators (each one with saw, square, sine, triangle and white noise waves) + sub (sine wave) design

-Oscillators are doubled when Stereo Detune is on: oscillator 1 is stereo (L+R) and has a mono sub-oscillator (centered); oscillator 2 is stereo (L+R) and oscillator 3 is double mono (L+R but mixed and centered). This architecture provides great phatness without any further effects (check preset 11 – *Vintage Heroes*).

-Oscillator 3 is detunable with oscillator 2 (but both share the pitch value).

-Ring Modulation (oscillator 1 vs oscillator 2)

-Hold note/free modes when in monophonic keyboard mode

-Portamento (not in poly mode)

-Pitchbend (up to 24 semitones)

-Two multimode filters in serial or parallel configurations

-Filter 1 with 12 dB LP or HP options

-Filter 2 with Mad Dog 24 dB LP, 12 dB LP, 12 dB HP, 12 dB BP or 12 dB Notch options

-2 Sync/free run lfos (sine, saw+, saw-, square and triangle waves) with 7 possible destinations

-2 envelopes (amp + filter) - optionally, they can modulate the lfos amount value for complex modulations

-Effects: Distortion (2 types), Tape Delay [sync rates only] and Chorus

-Spider-eyes style level meter

-Output amplifier with limiter

-Dual LCD display

-Midi Learn feature on all knobs for easy control with hardware

-99 presets on board (including 23 kindly provided from KVR forum member TOTO)

-Back view with block diagram (audio flow + modulation flow)

-Easy to use, intuitive, old-skool style GUI

-Rusty Vintage Sci-Fi Design

SB-4 (v.1.2)

Features:

-Up to 32 voices

-Optimized for monophonic use (bass/leads) - low cpu usage

-Full stereo phat sounding Architecture

-Master phatness knob

-Master wideness knob

-Analogue Knob (analogue oscillators emulation)

-3 double oscillators morphed into 1 (each one with saw, square, sine, triangle and 64 Speaker Blower waveforms) + sub (saw wave) + noise generator design

-Oscillators are tripled when Phat knob is turned on (out of 0): main oscillator is mono (L+R) and its 2 detuned brothers appear on L and R respectively. You control the

detuning amount and the wideness with the Master Phateness and wideness knobs. This means that, on each voice, you can play up to 18 oscillators (plus sub and noise)!

-Ring Modulation (oscillator 1 + oscillator 2 vs oscillator 2 + oscillator 3)

-Glide (1 voice only)

-Pitchbend (up to 24 semitones)

-Two filters in serial or parallel configurations

-Filter 1 is a 24 dB LP

-Filter 2 is a multi-filter: 12 dB LP, 12 dB HP, 12 dB BP or 12 dB Notch options

-2 Sync/free run lfos (with the same waveforms as the oscillators) routed to the filters

-2 envelopes (amp + filter)

-Effects: Stereo Delay [sync rates only] and Chorus

-Spider-eyes style level meter

-Output amplifier with limiter

-Dual LCD display

-Full Midi Learn

-32 presets on board

-Easy to use, intuitive, old-skool style GUI

-Vintage Sci-Fi Design

Lusus 3.0
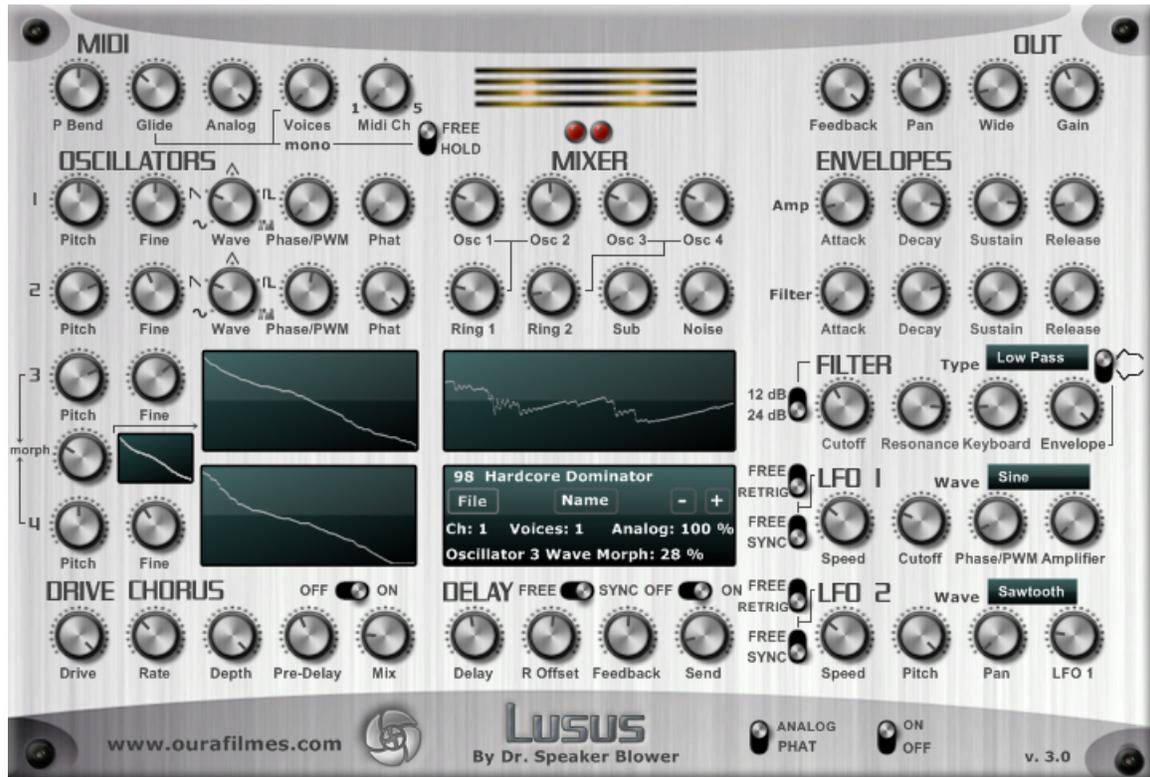
Features:

-(R)Evolution of the Lusus synthesizer concept

-Now up to 24 voices

-Analog/phat modes (the new analogue mode has it own amount control knob)

-Midi channel control (1 to 5)

-Glide (only in mono - 1 voice)

-New keyboard playing modes: free/hold (only in mono - 1 voice)

-New pitch/fine controls for all oscillators

-New 2 dual voice analogue oscillators with phase (PWM if square wave is chosen) and detune control (appears as "phat")

-2 digital oscillators (you draw the waveform) with new morph control between both oscillators (oscillator 3 plays the morphed wave)

-Independent gain control for each oscillator

-2 new Ring modulation stages (oscillators 1-2 and oscillators 3-4)

-New Sub oscillator (pitch is linked to oscillator 1)

-New Noise generator

-Improved 12/24 dB multi-filter with new feedback control (in the output stage) and new inverted envelope mode

-2 new free run/sync LFOs (with retrigger switch) – each LFO has now 3 different but simultaneous destinations

-Ouradrive stage

-New sync/free run stereo delay – the right side is always relative to left side (+/- 50%)

-New stereo chorus (has lost the feedback control knob)

-Output amplifier with new pan and wideness controls

-Output limiter

-Master bypass switch

-Spider eyes level meter (for output level)

-Improved LCD display

-99 presets (67 are new)

-Stereo component

-Classic vintage design

(Re)Created when I had some spare time in air flights and/or while waiting in the airport, this synthesizer became a small monster. It has seen so many new features but without loosing the free version 1 raw sound (version 2 is exclusive to the TOTAL Pack). With its 2 new dual analog oscillators, you can detune the 2 waves on each analog oscillator getting an extra phatness unreachable in the free version. With new LFOs, stereo delay, stereo chorus, improved filter (with feedback), sync features, you can easily program new rich, phat and lush sounds!

Rufius (version 1.1)

Features:

-Updated version from the original "BUILT FOR WAR" Tuga Pack instrument

-Bass valve synthesizer

-6 valve stages (mixer + master volume)

-Monophonic – 1 voice only

-2 keyboard playing modes (free/hold)

-Glide (with on/off switch)

-2 analogue oscillators (sawtooth and/or square waves) with sub-oscillators

-Pulse Width Modulation (on square waves only)

-Ring modulation

-Noise generator

-Classic 24 dB low pass filter

-2 envelopes (1 for the amplifier and 1 for the filter)

-2 free run/sync LFOs with 5 analog waveforms, 5 possible destinations each and retrigger switch

-Analog circuitry with amount control

-Stereo Chorus (with 3 modes and hi-pass filter)

-Distortion (2 modes)

-Output amplifier with limiter

-Graphic valve in the output stage

-Master bypass switch

-Dual LCD display

-Spider eyes level meter (output level)

-Spider eye LFOs meter

-32 presets

-Stereo component

-Classic military vintage design

Created inside the "BUILT FOR WAR" Collection, exclusive for a Portuguese forum, this is a virtual analogue valve bass synthesizer. As a bass machine, it is monophonic and includes a special version of the exclusive Mad Dog 24 dB LP Filter (that was tuned for bass sounds). It sports 2 fast envelopes and 2 free/sync LFOs (with retrigger). It also delivers powerful effects (distortion and chorus) to enrich the bass sound. The chorus effect includes a hi-pass filter to ensure that only the mid/high frequencies are processed, keeping the low frequencies in mono. It also shares the same basic military GUI design style as the vst effects of the vst collection. This synthesizer is available now in the Synths Pack.

Note: this is an improved version of the original Rufius synthesizer that was included in the original collection for the Portuguese forum. The PWM function was improved in this

version 1.1 and the version 1.0 did not include the dedicated filter envelope neither the second LFO but graphic valves instead (GUI).

Version 1.0 picture

Notes about the Sci-Fi Design

All these effects/synthesizers GUIs were designed with inspiration in the machines that appear in the 50´s and 60´s sci-fi movies. The detail of the damage of some of the processors GUI is just a reminder of this. Note that the sound of the processors is not always intended to be vintage as the look (*OuraGain* is just an example of this). A good example of this kind of design is the *Channel One* plugin. This is, probably, the best example, as you can see an "8 bit" alien ship with the positions of the knobs and that VU also fits in the look, as the head of an alien or an octopus (when you see the image as a whole). This happens in an absolutely symmetrical design. The back view of this plugin is also a reference (this is a machine I would like to have in my studio just to look at it for hours).

The whole collection was designed to sound good but also to look good. A lot of effort was done on this – remember this was designed for my personal use. Careful details were always thought for both the sound and the GUI. This is the reason for so many different GUIs and knobs/switches in this pack. Some aesthetical elements (mainly switches) are shared between plugins but things are never shared in sound design (each effect was created from scratch and designed to have a character of its own – all the different delays, as an example, have different internal circuitry and/or saturation algorithm among other things as delay rates). The color choice was also restricted by the sci-fi years but I could be more creative with the LCD backing colors. I tried not to let those appear as "80´s synthesizers LCD look" but a little different – just as the VUs I have designed.

The forms and shapes I have created are 100% original but were inspired in those vintage years. Some look like new and some look really old (take a good look at the *SB-3* synthesizer), but it is always better to look at beautiful GUI when working on computer music. I could make digital looking processors instead of a vintage look, but I prefer to unite both worlds, designing old looking interfaces and inserting a LCD display on them (majority of the collection effects). This way, it looks like old school analogue sound processors restored as new (in both ways: sound and visually).

This was the main concept for this kind of design.

I hope your eyes enjoy the interfaces it as much as mine did when designing and using it. I also hope that your ears enjoy the sonic difference that these processors impose on your sound.

Thanks for reading! Now go and make some noise! But watch your speakers!