Dr. Speaker Blower
and
www.ourafilmes.com

Presents

SPEAKER BLOWER SYNTHS

Dr. Speaker Blower Synths pack
VSTi Plugins for Windows

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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 3 years).

This plugin pack has been created for my personal use on the PC – it´s a way I´ve found to sound different along with learning and creating my own synthesizers and my own sounds.

As I am teacher and I really have to finish my PhD on "sound for cinema", I don´t have the time to use this tools as I would like. I´ve also moved to the MAC platform recently so, that´s another reason that I don´t pay the attention to this tools as they deserve...

I decided to give a SB-3 limited version for free so everybody can use them on their system to try them out. Check it out in my drum´n´bass label (Speaker Blower Records) site www.sbrecs.net/vst-htm. There are also demos for all synths in www.ourafilmes.com

If you like them so badly that you want (or need) the full versions, then, for a small amount of money, you will receive the full and exclusive Speaker Blower Synths pack or the Speaker Blower TOTAL Pack with the effects, the synthesizers and free bonus!

You will be helping me out (paying my hard work, the internet servers and you will be supporting me finishing my PhD faster so I can bring you updates and new vst effects and synthesizers) and you will receive a complete set of exclusive tools to transform and upgrade your sound to a new level. You 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!

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

Available synthesizers:

Analogue simulators:

-**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)

Bonus effects *:

-SB-1 FX (ouradrive + chorus + (trance) gater)

-SB-2 FX (multi-fx processor with 3 simultaneous effects in serial/parallel configuration)

-SB-3 FX (distortion + tape delay + chorus)

* - Available in demo version

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

* Bonus effects: these are not sold individually but are given for free to buyers of packs (the buyers of the FX Pack will receive the SB-3 FX; the SB-2 FX processor is only given to the TOTAL Pack buyers and, to Synths Pack buyers, the SB-1 FX plugin is given for free)

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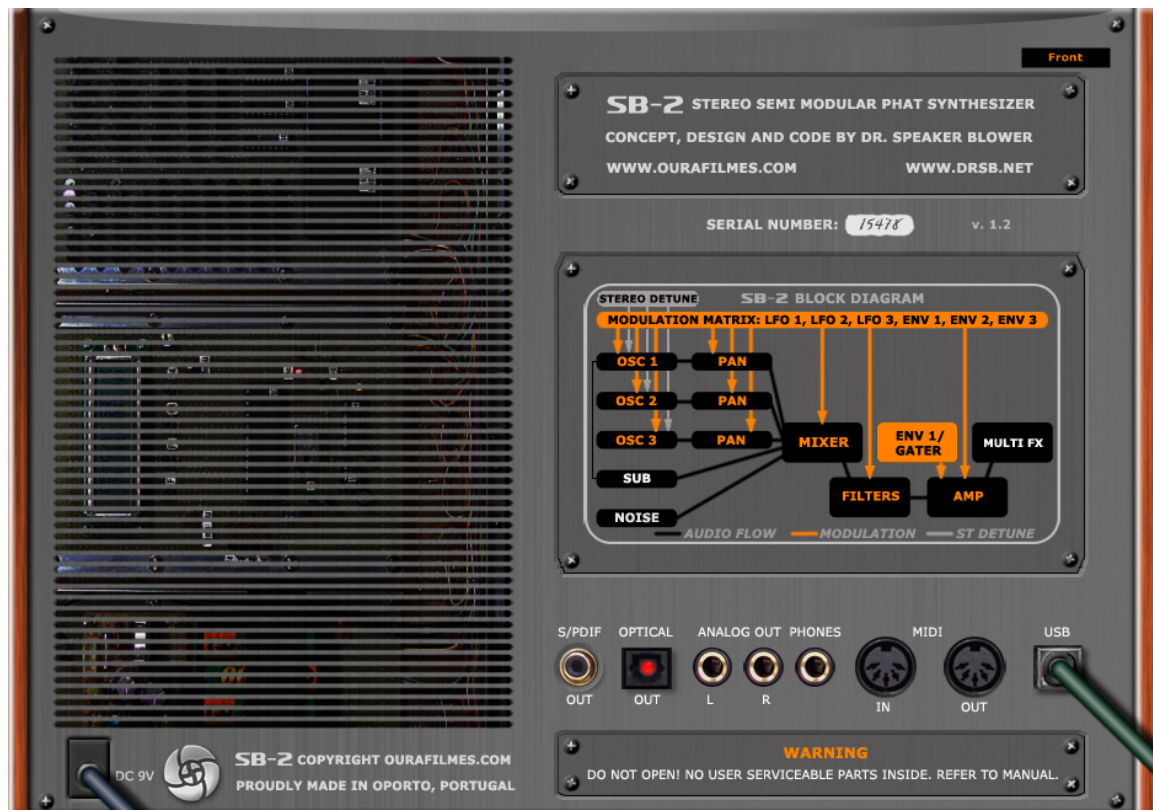
-Filter 2 types: LP 24 dB, LP 12 dB, HP 12 dB, BP 12 dB, Notch 12 dB

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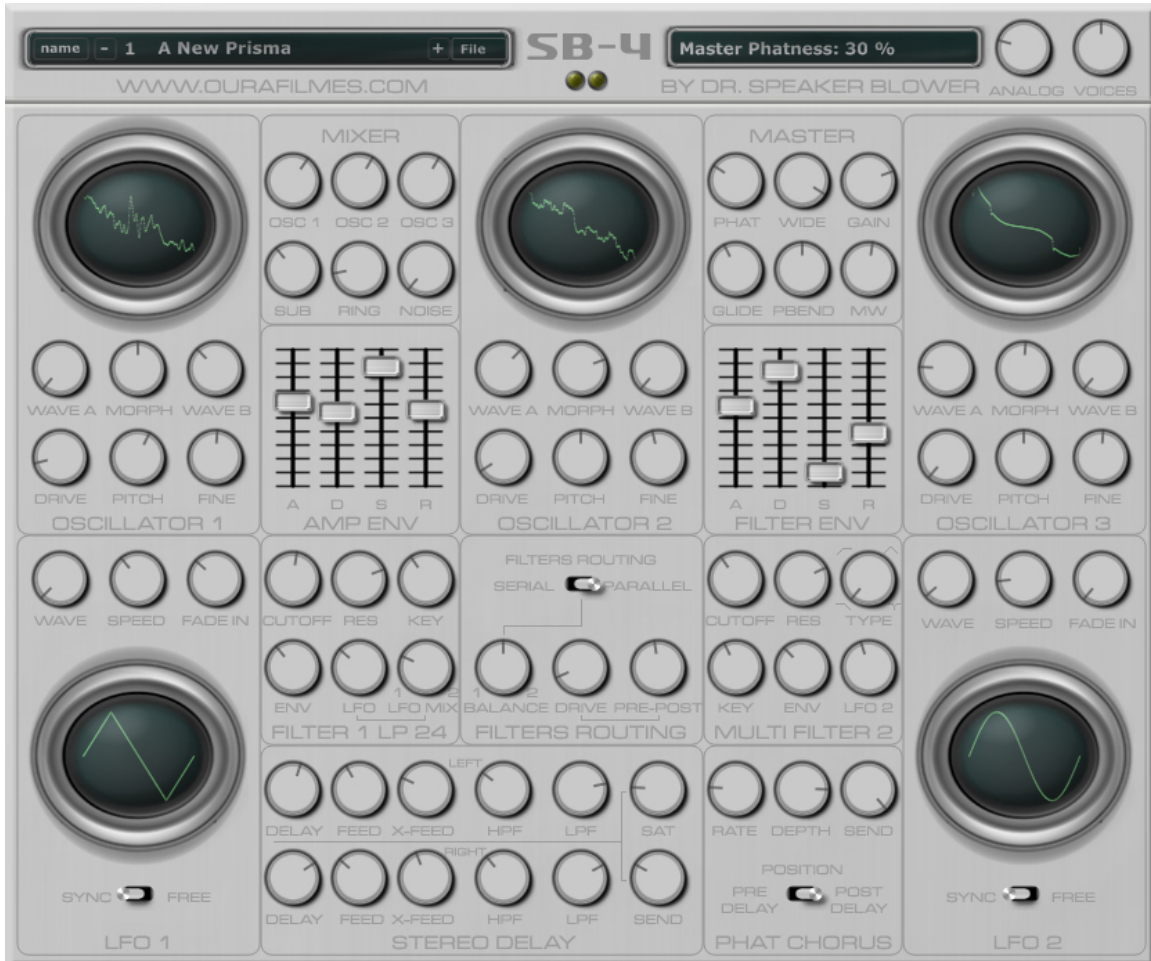
-Oscillator 3 is detunable with oscillator 2 (but both share the pitch value).

-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.1.0)

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

Bonus (synth) effects:

-SB-1 FX (included in this pack)

Features:

-Effects section from the SB-1 vst synthesizer

-Input ouradrive stage

-Phat chorus stage (7 positions) inspired in the old analogue synthesizers

-16 step trance gate with sync rates, contour control and bypass switch

-Stereo wideness control

-Output amplifier with limiter

-LCD display

-Spider eyes style level meters

-Stereo component

-Low cpu usage

Use this processor to slightly overdrive your tracks, to enlarge your sound with the phat chorus module and/or to completely transform your pads, bass and leads with new rhythm and movement with the trance gate. Use it on synthesized sounds, atmospheres and pads, leads, effects, basses and other sounds. This effect can give a new soul to dull sounds and/or movement to ambient textures and soundscapes.

-SB-2 FX (included in TOTAL pack)

Features:

-Multi-effects section from the SB-2 vst synthesizer

-Input Amplifier

-3 serial multi-effects modules featuring (on each one): Chorus-Delay; Delay-Verb; Distorted Chorus, Flanger, QuadStortion, Tape Delay; Stereo Delay and R-Verb

-Each module has a bypass switch

-Master bypass switch

-Output dry/wet mix knob with 2 configurations: serial and parallel

-Output limiter

-LCD display

-Spider eyes style level meters

-Stereo component

Use this fabulous and exclusive multi-effects processor with 3 simultaneous effects on any sound you desire. This plugin can really be used on any sound. With a total of 8 hi-quality effects (3 simultaneous), you choose the order of the signal path that you prefer. Some effects are a mix of 2 different effects (chorus-delay as an example). This means that, in reality, you can use much more than 3 effects at the same time. And having a different position in the signal flow can change completely the sound! The possible usage for this processor is so wide that I can only give you a small vision.

The output mix method works this way: using the *fx mix* knob, in serial configuration, you blend the dry signal and the mix between the dry and the wet signal (this means that 0% is dry and 100% is dry+wet). In parallel configuration, you blend the dry and the wet signal (0% is dry and 100% is wet).

This plugin has midi learn knobs (right-click) for easy control with hardware controllers and, unlike the original synthesizer version, this processor is fully automatable!

-SB-3 FX (included in FX pack)

Features:

-Effects section from the SB-3 vst synthesizer

-Distortion stage with two types (soft/hard)

-Tape delay module with lp/hp filter (adjusted separately on left and right delays)

-Chorus section

-Each module has a bypass switch with presence led style indicator

-Master bypass switch with presence led indicator

-Output limiter

-LCD display

-Spider eyes style level meters

-Stereo component

-Vintage rusty sci-fi design

-Full midi learn (right-click on the desired knob you wish to control)

Use this digital signal processor to generate phat distortion (soft or hard) and/or dub style tape delay and/or chorus on your sounds. This effect was originally designed for use on synthesizers with no effects or with bad sounding effects. But, of course, it can be used on any sound you like: from dub voices to leads, from basses to atmospheres,...

As all modules have a bypass switch, you can even use only one module to process your sounds. These effects are 100% original and are different from all the other distortions, delays or chorus from the Speaker Blower Effects/Synths. Also note that there is no output volume knob: you must check if it is not overloading (if so cut in input -3 dB)!

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!