



# PRESS RELEASE

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**Tone2 launches Firebird, a fundamentally new and easy to use VST-format synthesizer with **Harmonic Content Morphing** synthesis**



Firebird is not just another synthesizer. It provides a powerful, unique, and innovative synthesis architecture for next-generation sounds never heard before.

300 build-in sounds present a full range of useful workhorse studio standards as well as very special Firebird sounds characterized by multi-layered subtle modulations which add new life and dynamics to the sounds. Firebird can sound like many other virtual synthesizers but none of them can sound like Firebird can. Why?

## **Harmonic Content Morphing (HCM) Synthesis**

The new synthesis method is based on a large and expandable repertoire of standard waves like saw or pulse as well as complex waves like multi waves, trumpets, organs, pads, pianos, and voice samples. These waves can be modified in real-time by e.g. transposing the wave by one or two octaves and adding it to the original wave, altering its harmonic structure, compressing or expanding the frequency domain of the spectrum, making the wave fat using only one (!) oscillator by transforming each wave into a hyper-wave, selecting some cycles of a sample and moving through them over time (comparable to wave-table synthesis).

Any modification of a wave can be modulated by a ramp generator or an LFO with which each oscillator is supplied, producing lively shimmery sounds (recall: with only one oscillator!). In total there are more than 14,000 different spectra available for combination and modulation.

In case the sound of one oscillator is not enough, there is a second one allowing for detune and cross-fade sounds controlled by a ramp generator or an LFO.

## Filter and Effects

The synthesis is also able to create sync sounds and the filter is much more than what you would expect: it is a standard biquad-based or a Moog-type low-pass, high-pass, band-pass, notch, or shelving filter. But it can also provide more complex filter characteristics for vocal or M-shape filters. Finally, it gives you ADSR- or LFO-modulated phaser-effects, AM- or FM-modulation.

The effects section has several reverb and stereo tap delay variations, chorus, ensemble, flanger, and rotary effects as well as some combinations of different effects.

Firebird comes with an extremely powerful arpeggiator. A "fat" knob doubles or quadruples the number of oscillators giving up to 8 (!) oscillators per voice. IQM (intelligent micro tuning) makes chords harmonically cleaner and at the same time more fat.

## CPU consumption

The sound engine is highly optimized to reduce CPU consumption as much as possible. But if necessary the number of simultaneous voices can be limited to 16, 12, 8, . . . down to 1. The high-definition sound quality can be additionally reduced in four steps.

## Curious?

- A demo version is available online at <http://www.tone2.com>
- Firebird is definitely worth checking out its 300 factory sounds
- Easily create never-heard sounds using the intelligent built-in random sound generator
- Discover a new world of sounds created by a fundamentally new synthesizer



## About Tone2

Tone2 was founded in autumn 2005 in southern Germany. Two experts in digital signal processing joined their forces to shake the tight and ponderous market of VST plug-ins. On December 23, 2005 the 1st product BiFilter was released, on March 23, 2006 the 2nd product FilterBank2 was released.



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