

VOKATOR

VOICE YOUR INSPIRATION

EFFECTS LINE

Vocoding in a New Dimension

VOKATOR provides a revolutionary suite of vocoding tools with unrivalled flexibility and outstanding sound quality. An exceptional vocoder with a sophisticated synthesizer and granular sampler, VOKATOR is a virtual sound-fusion laboratory. VOKATOR's extremely high-resolution FFT spectral engine sets new standards for transparency, detail, and smoothness, making it the most effective vocoding instrument on the market.

The Vocoding Engine

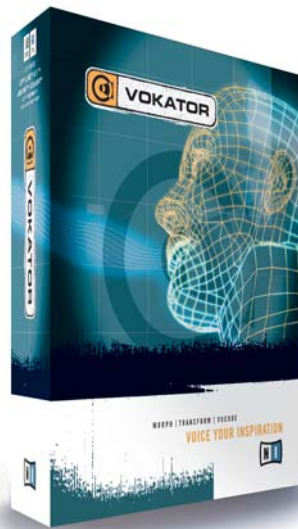
VOKATOR's FFT spectral engine is a milestone in vocoder development. Previous vocoders used eight, sixteen, twenty, or even thirty-two frequency bands – the more frequency bands, the smoother and creamier the effect. Unlike its predecessors, VOKATOR's advanced engine uses 1024 bands. In addition to its stunningly transparent, full-resolution operation, VOKATOR's bands can even be grouped together for a convincing vintage-vocoder emulation. To ensure optimal dynamic range across the frequency spectrum, an integrated frequency-domain compressor balances the levels of all bands.



► The oscillators of the synthesizer can be replaced with a re-synthesis sampler

Fully Configurable Design

A pair of vocoding channels can either be spectrally combined or played independently. Channel A can be switched between an integrated file player or external input A, while Channel B can be set to a full-featured synthesizer, a time-stretching granular sampler, or external input B. For a traditional vocoder effect, the frequency spectrum of the external input would be controlled by the synthesizer, but VOKATOR's capabilities are much more advanced.



Diverse Sound Sources

VOKATOR is both an effect plug-in and a vocoder-based synthesizer. Its synthesizer features an advanced dual-oscillator design with dynamic preset morphing controlled by the modulation wheel. VOKATOR's granular sampler can independently control a sample's pitch and time. A full range of modulators – step sequencers, envelope followers, LFOs, and more – can be easily routed to nearly any of VOKATOR's parameters.

FEATURES

- Extremely high-resolution FFT spectral engine
- Multiple vocoding modes
- Operation configurable from 4 to 1024 frequency bands
- Full-function dual-oscillator synthesizer with dynamic patch morphing, multiple filter modes, and FM
- Granular sampler with independent control of time and pitch
- Real-time frequency spectrum displays of input and output
- Advanced modulation section includes step sequencers, tempo-synced LFOs, envelope followers, and more
- Additional spectral effects can be applied to the sound input
- Custom filter spectral curves with the breakpoint editor of the equalizer
- Gate and level compression of the input, frequency-domain compressor for the output

AUDIO FILE COMPATIBILITY

Loads WAV and AIFF

SUPPORTED INTERFACES

VST® 2.0, MAS™, Audio Units™, DXi II™, ASIO™, Soundmanager™, Core Audio, DirectSound™, OMS

MINIMUM REQUIREMENTS

Windows 98/2000/ME/XP,
Pentium/Celeron/Athlon 800 MHz, 128 MB RAM
Mac OS 9.2/Mac OS 10.2.2, G3 500 MHz, 128 MB RAM

RECOMMENDED SYSTEM

Windows XP, Pentium/Athlon 1,2 GHz, 512 MB RAM
Mac OS 9.2.2/Mac OS 10.2.2, G4 733 MHz,
512 MB RAM, OMS 2.3.8

All product specifications are subject to change without notice

VOKATOR AT A GLANCE

VOKATOR offers unique analysis and synthesis abilities to fuse two sounds into a new creation. Far exceeding the possibilities of previous vocoders, VOKATOR's integrated synthesis, sampling, and sound shaping functions make it a complete instrument on its own.

Input Section

Each input section has a delay unit, a dynamic processor, and several special modulation effects in the spectral domain.

Audio File Player

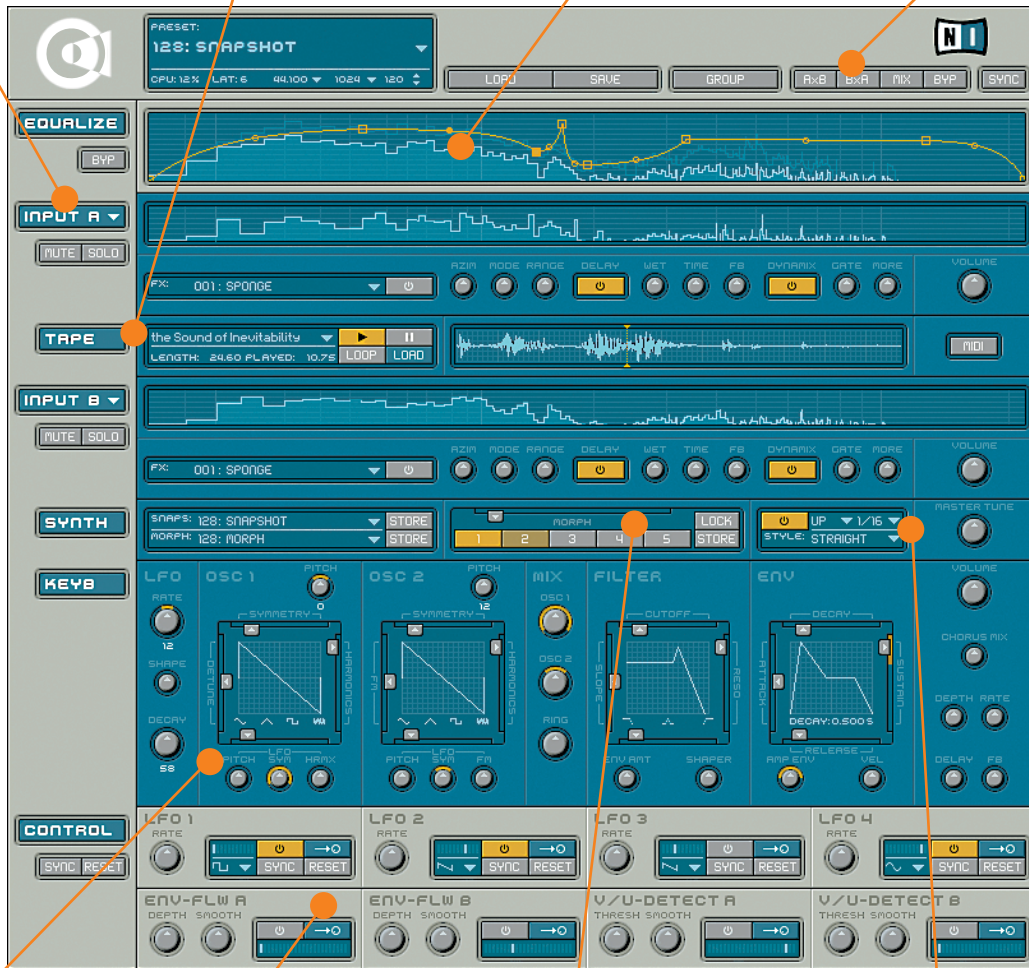
A MIDI-controllable audio file player, with loop function and waveform display, can stream large audio files from the hard disk.

Visualization

The graphic displays show the spectral composition of the audio signals. The main display also serves as a graphic EQ for drawing in precise filter curves for the output signal.

Operating Modes

Each of the two inputs can act as carrier or modulator. In mix mode, both inputs work as carrier and modulator: the two emerging vocoder signals can be mixed with one another and with the original signal.



Intuitive Handling

Editing is straightforward with graphic display of envelopes, and waveforms. The synth's two oscillators can be replaced with a re-synthesizing granular sampler which allows start, loop, pitch, and speed modulation.

Modulation

LFOs, envelope followers, voiced/unvoiced detectors, and step sequencers can modulate nearly any parameters. The yellow ring around a knob indicates the value of the re-spective modulation.

Morphing

The morph function opens a new sonic dimension by allowing smooth transitions between synthesizer presets. The morphing is controllable in real-time by the modulation wheel.

Arpeggiator

The integrated arpeggiator provides different styles, directions and articulations to trigger the synth section.