

REAKTOR 4

THE FUTURE OF SOUND

SYNTH LINE

The Fusion of Synthesis, Sampling, and Effects

REAKTOR 4, the award-winning modular sound studio, is the ultimate tool for sound design and music production. REAKTOR 4 lets musicians and engineers design and build their own instruments, samplers, effects, and sound design tools. It is also a world-class studio right out of the box – its Library includes dozens of exceptional instruments and effects and the online User Library is growing every day. REAKTOR 4 offers access to an arsenal of sonic tools limited only by the imagination.

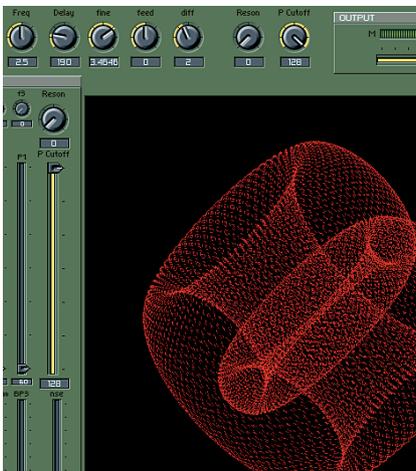
Make Music Now

REAKTOR 4's Library includes a complete range of instruments and effects created by top sound designers, each with a full bank of presets. The full spectrum of classic and futuristic sounds are included, from rich analog basses to brilliant additive leads, from sequenced percussion to exotic soundscapes. A selection of powerful samplers opens up the worlds of granular textures and independently-controllable pitch, formant, and time. An intuitive live performance environment combines tempo-synced loops, complete scene recall, and dynamic effects. Multiband compressors,

sophisticated spatializers, surround reverbs, a vocoder, and studio tools provide everything needed to create complete productions using REAKTOR 4.

Build a Better...

Since everything is modular in REAKTOR, each instrument can easily be modified and improved. It's even possible to create completely new instruments from elementary modules or from the comprehensive Macro



▶ REAKTOR 4 is a complete modular studio with powerful visualization options.

Library. Musicians around the world have already discovered these creative possibilities and regularly contribute new instruments to the online User Library, where more than a thousand REAKTOR instruments are available for free download.

The Fourth Generation

REAKTOR 4 is the flagship of the Native Instruments line. The fourth generation of REAKTOR brings modular music making to an unprecedented level – instruments can be easily modified or built from scratch, and REAKTOR 4 sounds better than ever before. Graphical sample-management, preset morphing and randomization, a host of new and improved modules, an integrated browser, advanced visual elements, and more provide a maximum of sonic possibilities.

FEATURES

Fully modular real-time software for synthesis, sampling, and effects processing

Superb sound quality due to state-of-the-art algorithms with 32-bit floating-point precision and sample rates up to 192kHz

Includes an outstanding collection of synthesizers, surround and studio effects, live performance tools, samplers, and more

NEW Improved VST® support with smart window sizing, unlimited instances, and automation

NEW Improved snapshot handling with morphing and randomization

NEW Improved sample mapping with Kontakt mapper

NEW Smooth anti-aliased oscillators from the PRO-53

NEW Grain-cloud granular delay module with live-sampling and freezing

NEW OSC-based network protocol for precision control when connecting multiple computers running REAKTOR 4

NEW Many new or improved modules and interface enhancements

IMPORT AND COMPATIBILITY

AIFF, WAV, and SDII up to 32 bits, AKAI Import

SUPPORTED INTERFACES

VST® 2.0, Audio Units™, DXi™, ASIO™, Core Audio™, Soundmanager™, OMST™

MINIMUM REQUIREMENTS

Windows 98/2000/ME/XP, Pentium III 500 MHz, 128 MB RAM

Mac OS 9.1 or higher, G3 500 MHz, 256 MB RAM

RECOMMENDED SYSTEM

Windows XP, Pentium III 700 MHz, 256 MB RAM

Mac OS X 10.2 or higher, G4 733, 512 MB RAM

Multichannel ASIO™/Core Audio™ soundcard needed for surround sound

ENDLESS POSSIBILITIES

Samplers and Transformers

The sampler and transformers included in REAKTOR 4 range from quick and convenient sampling to full granular workouts. Several resynthesis instruments vary speed, pitch, and formant independently, while others can completely freeze the sound in time. Samples can easily be loaded via drag and drop from the integrated browser into a comfortable, graphical sample mapper.

This tool, just one of several samplers, slices a loop into multiple "chunks" based on an intelligent peak-detection algorithm. It allocates each single hit onto a separate key, with individual control over pitch, filter, and tone of each sample.

Synthesizers

The REAKTOR 4 library offers a world-renowned collection of synthesizers from analog-modelling to FM, from wavetable to additive. Each synthesizer includes many presets for an astonishing range of sounds right out of the box. The fourth-generation DSP algorithms of the REAKTOR 4 engine ensure that the sound quality is exceptionally bright, warm, and clear.

This unique instrument, Metaphysical Function, is an experimental synthesizer that produces evolving soundscapes and drones. The red shape in the center is an animated representation of the sound.

Live Performance and Sequencers

REAKTOR 4, with configurable MIDI control and an extremely low latency, is an excellent performance tool. Naturally, any REAKTOR 4 synthesizer, sampler, or effect can be played live, but a number of instruments specially designed for stage use are also included.

This loop-based live performance environment features seamless scene transitions, MIDI control over every parameter, and dynamic, tempo-synced effects. An outstanding time compression/expansion algorithm makes this a great-sounding tool.

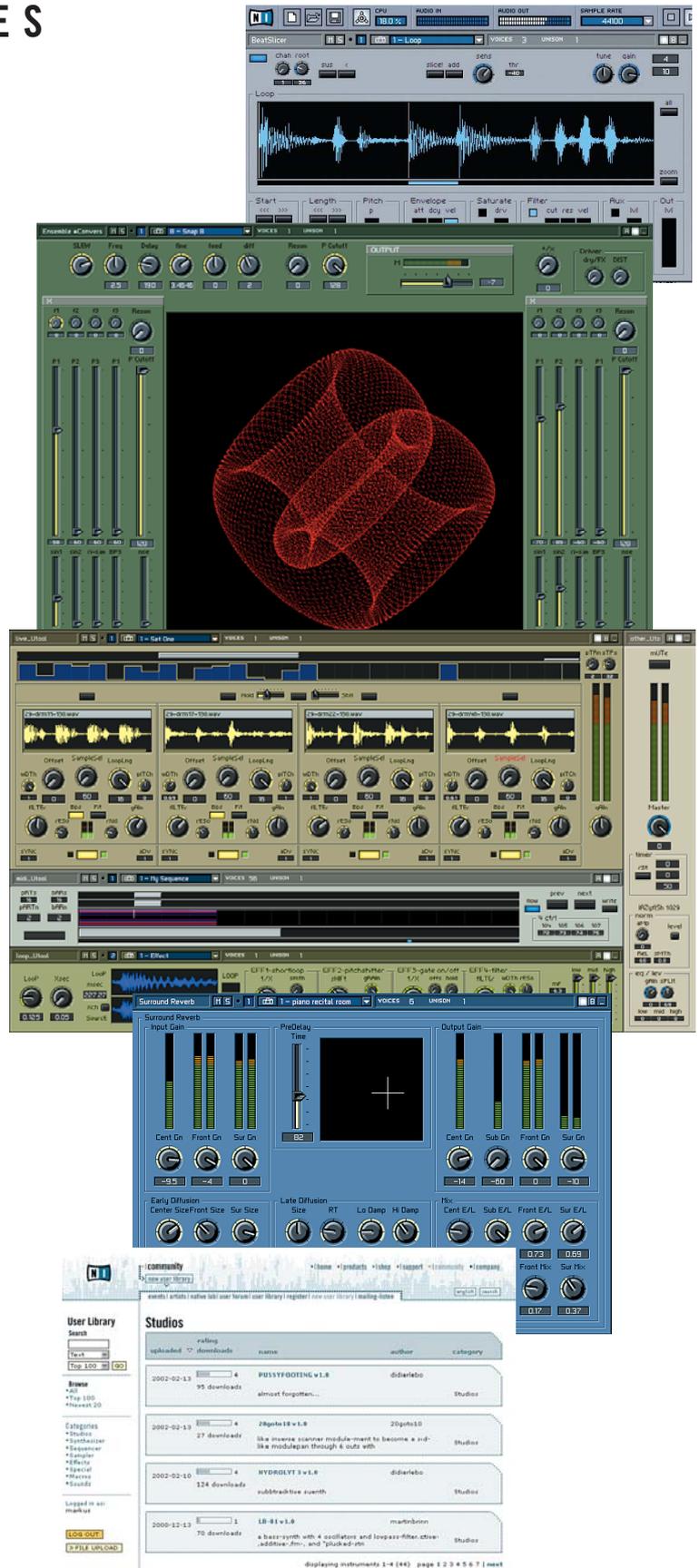
Effects

REAKTOR 4 includes several studio-ready effects. Smooth reverbs, vintage delays, and an amp simulator provide good starting points for sound mixing and exploration. But it also ventures into further territory, with granular freezing delays, vocoders, and more.

This high-end surround reverb is the big brother to the acclaimed Rev-6 reverb. It offers a two-dimensional spatializer, and full five-in, six-out operation with LFE management. Like all of REAKTOR 4's instruments and effects, it includes a broad range of professionally designed presets.

User Library

More than one thousand ensembles are available for free download from the online User Library. The completely re-designed User Library includes a comprehensive search function, screenshots, user ratings, and sorting by function. Creative musicians around the world regularly contribute to and share from this ever-growing resource.



REAKTOR 4 AT A GLANCE

REAKTOR 4 is both a collection of valuable instruments and a complete sound-design environment. Shipping with dozens of outstanding synthesizers, live performance tools, samplers, and effects, REAKTOR 4 contains everything needed to produce and perform music on the computer. REAKTOR 4 is also a modular production tool – if an instrument can be imagined, it can be built, improved, or downloaded.

Snapshots

The instrument bar and a dedicated floating window give easy access to storing, handling and recalling snapshots which represent the control settings stored for the instrument. Every instrument can hold 16 banks, each containing up to 128 snapshots.

Panel

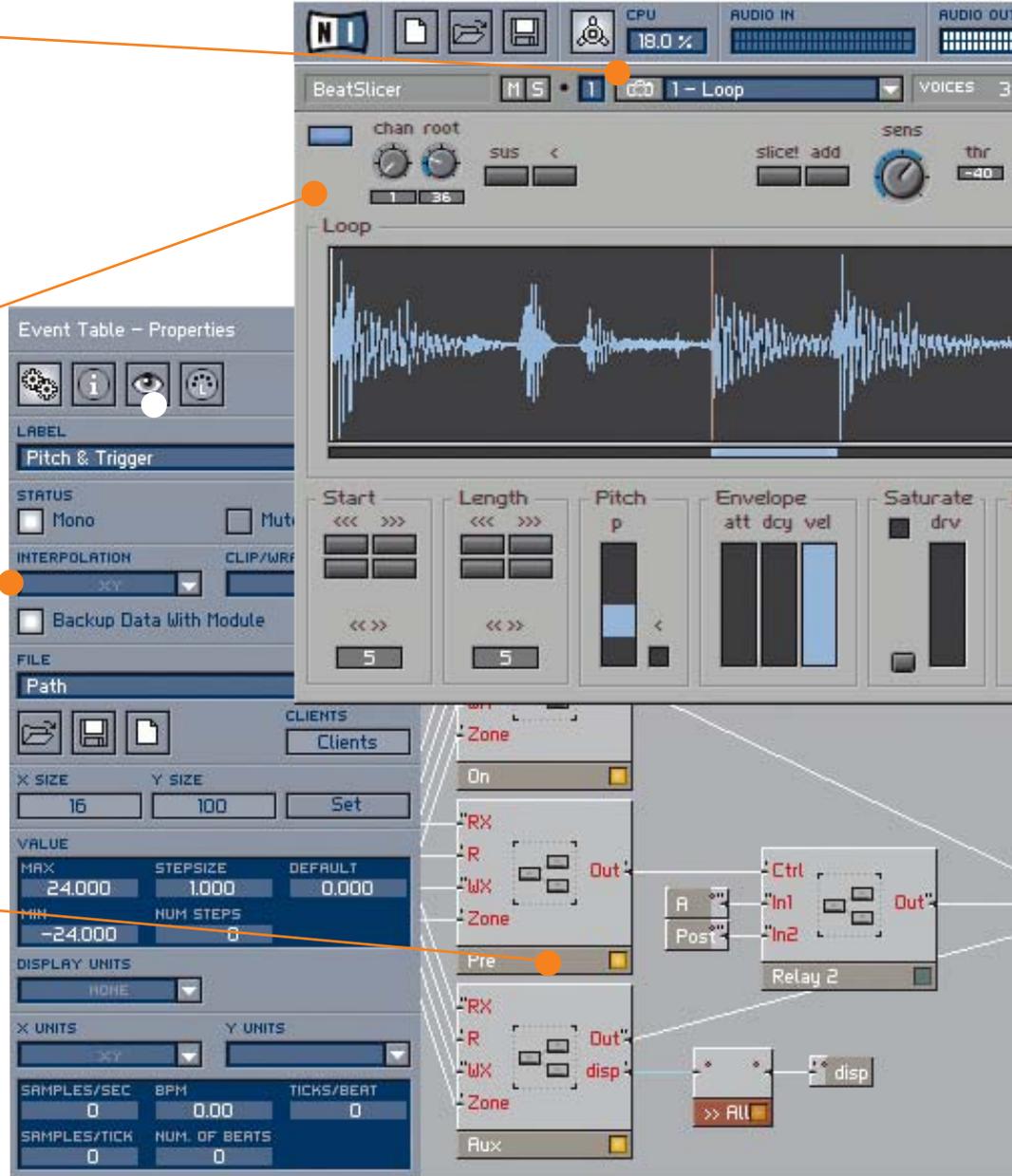
Every Reaktor instrument has a unique control panel where the creator has placed knobs, faders, lamps, meters, XY-controls, waveform displays, text, and picture elements. The user can easily change their form and size and re-arrange them.

Properties

Every instrument, macro, module, and user-interface object can have its properties – such as MIDI channel, name, parameters, etc. – adjusted with the floating properties palette.

Modules

From such simple mathematical functions like add or multiply to complex signal processing macros: modules are the building blocks of REAKTOR. Changing or creating instruments is surprisingly easy with REAKTOR modules.





Toolbar

The most important options can be accessed here. CPU usage and input/output metering are displayed, along with master tempo and common shortcuts.

Instrument Bar

The REAKTOR 4 instrument bar allows direct access to mute, solo, MIDI channel, snapshot selection, polyphony, unison settings, and window controls.

Sample Mapper

The redesigned visual sample mapper allows velocity and key splits, and displays the sample's data and waveform.

Structure

The complete structure of every instrument can be explored or modified. New instruments can even be built up from elementary and macro modules. The editor allows an intuitive creating of modules and wires, and supports commands for cut, copy, delete, replace, drag and drop and unlimited undo. By connecting instruments, complete virtual studios can be created.