



TC COMPUTER RECORDING

PowerCore FireWire



PowerCore PCI



Spark XL



Native Bundle



Spring 2003

POWERCORE

POWERCORE PLATFORM PAGE 04-06

POWERCORE FIREWIRE
 Serious processing power wherever you are:
 at home on a desktop or even when travelling with
 just a laptop computer.



POWERCORE
 Virtual Multi FX Processor
 The DSP-Turbo for Native Audio
 Workstations supporting VST and MAS

INCLUDED PLUG-INS PAGE 07-10

 EQ⁵⁴ CUSTOM <i>NEW</i>	 MASTER X3	 24/7-C LIMITING AMPLIFIER
 CLASSIC VERB	 VINTAGE CL	 01 SYNTHESIZER
 MEGA REVERB	 VOICE STRIP	 CHORUS+DELAY

OPTIONAL PLUG-INS PAGE 11-15

 MASTER X5 <small>(UPGRADE FROM MASTER X3)</small>	 WALDORF D-CODER	 SONY OXFORD DYNAMICS <i>NEW</i>	 INTONATOR <i>NEW</i>
 ASSIMILATOR	 SONY OXFORD EQS	 DSOUND VL2	
 SURROUND VERB	 SONY OXFORD INFLATOR	 VOICEMODELER <i>NEW</i>	

NATIVE SOFTWARE

SPARK LINE PAGE 16-17



SPARK XL 2.8
 THE REALTIME DIGITAL
 AUDIO EDITOR FOR MAC OS
 WITH AUDIO RESTORATION
NEW

NATIVE PLUG-INS (VST / MAS) PAGE 18-19



NATIVE BUNDLE 3.0
 6 HI-END PROCESSING TOOLS
 • COMPRESSOR-DEESSER
 • NATIVE REVERB PLUS
 • LIMITER
 • GRAPHIC EQ
 • PARAMETRIC EQ
 • FILTRATOR

POWERCORE PLATFORM



SERIOUS POWER FOR NATIVE WORKSTATIONS

COMPLETE INTEGRATION

All production tasks have moved into the computer these days – from MIDI and audio recording to mixing, effects and even virtual instruments. Users demand total integration into their favourite sequencing environment – and no compromise. PowerCore makes that come true!



POWERFUL TOOLS

Nine studio-quality virtual TC processors are included with PowerCore right out of the box. The bundle includes 2 Reverbs, Mastering EQ, a virtual Finalizer, vintage compression and dynamics, a voice channel strip and even a synthesizer. With all of the included Plug-Ins, the quality level normally associated with hardware products is now brought to any native audio workstation.

SUPPORTS YOUR NATIVE AUDIO WORKSTATIONS

PowerCore supports Mac/PC and offers the right hardware choice for desktop or laptop use as well as many software options. Virtually any VST or AudioUnit sequencer and sound card may be used in conjunction with the platform.



INCLUDED PROCESSORS



POWER BY DESIGN

PowerCore provides a stack of rackmount-quality Plug-Ins and massive amounts of DSP-processing power, freeing up the host computer to run other tasks and processes. The unique design combines a Motorola PowerPC and 4 x 56K industry standard DSPs. There's enough power to run multiple reverbs, virtual Finalizers and other hi-end effects at the same time.

3RD PARTY SUPPORT

PowerCore is an open development platform, with a growing number of 3rd party developers delivering new and exciting tools. SONY Oxford, Waldorf, Helicon and D-Sound already ship optional virtual processors – and even more is expected soon.

ANY TYPE OF PROCESSING

The PowerCore platform provides a truly flexible DSP-backbone that runs any type of DSP processing from effects and mastering to virtual synthesis.

KEY FEATURES:

- Choose between PCI or FireWire version
- PC and Mac OS X support
- VST and AudioUnits support
- Multiple cards or FireWire units can be used in one system
- 24/96 and higher supported

	POWERCORE PLUG-INS									INCLUDED				OPTIONAL					
	EOSAT CUSTOM	MASTER X3	24/7•C LIMITING AMP.	CLASSIC VERB	VINTAGE CL	01 SYNTHESIZER	MEGA REVERB	VOICE STRIP	CHORUS•DELAY	MASTER X5 48K	WALDORF D-CODER	SONY OXFORD DYNAMICS	ASSIMILATOR	SONY OXFORD EOS	DSOUND VL2	SURROUND VERB	SONY INFLATOR	VOICEMODELER	INTONATOR
TRUE STEREO REVERB																			
EXPANSION/GATE																			
COMPRESSION																			
DEESSER																			
LIMITING																			
DITHERING																			
MODULATION																			
VOICE EQ																			
MASTERING EQ																			
CHANNEL EQ																			
VINTAGE SOUND																			
TUBE EMULATION																			
VOCODING																			
SYNTHESIS																			
SURROUND EFFECT																			
MASTERING PROCESSING																			
24/96																			
PITCH CORRECTION																			
VOICE PROCESSING																			

POWERCORE HARDWARE CHOICES

POWERCORE PCI

POWERCORE PCI packs the equivalent power of up to 8 reverb processors, Finalizers or way over 20 vintage compressors of the 1176-style onto a single PCI card. Up to 4 cards can be used in one system at the same time.



POWERCORE FIREWIRE

POWERCORE FIREWIRE provides almost twice the power of the PCI version, providing even more DSP-resources than the PCI card. This version is ideal to run extreme hi-end processes and for laptop users with limited connection busses. Up to 2 FireWire units can be used on one 400 MBit FireWire bus.



COMPARISON		
POWERCORE PCI		POWERCORE FIREWIRE
4 x 100 MHz	DSPs	4 x 150 MHz
4 x 128 kWords	S-RAM	4 x 512 kWords (1.5 MB!)
1 x 200 MHz PowerPC	Power PC	1 x 266 MHz PowerPC
8 MB	D-RAM	8 MB
PCI-card	Size	19" Box
Desktop	Use	Laptop or Desktop
100% COMPATIBLE		

SYSTEM REQUIREMENTS

G3 or G4 with OS X.2 or higher, 256 MB RAM, VST compatible host application, most sound systems supported by VST/AudioUnits application.

PowerCore PCI requires for PowerCore PCI
PowerCore FireWire requires a 400 MBit FireWire connector.



PIII/500 or better, 256 MB RAM, WIN XP, VST compatible host application
PowerCore PCI requires a full length PCI-slot and a 3.3 Volts PCI Bus (spec. 2.2).
PowerCore FireWire requires a 400 MBit FireWire connector.

CLASSIC VERB

INCLUDED
COMES WITH POWERCORE

CLASSIC REVERB PROCESSOR

The CLASSIC VERB enhances the out-of-the-box reverb flexibility of PowerCore significantly! The processor adds the other category of warm, lush reverb effects often associated with big expensive hardware processors to the effects menu. It is a whole different way to create the effect compared with our usual reverb philosophy, and the natural sounding reverbs provided by MEGA REVERB.

CLASSIC VERB is exclusively available for PowerCore.



FEATURES

- 16 different types: Classic Hall, Vocal Studio, Room, Hall, Drum Box, Drum Room, Large Cathedral, Ambience, Live Reverb, Spring, Plate 1, Plate 2, Club, Living Room, Concert Hall
- Low and High Color Offset Parameter
- Hi-Cut Filter
- Loads of presets
- 24/96 processing

MEGA REVERB

INCLUDED
COMES WITH POWERCORE

TC REVERB PROCESSOR

With even better diffusion, denser tails and more realistic room impressions than ever before, MEGA REVERB provides the ultimate plug-in reverb solution for PowerCore.

Also available for Pro Tools HD as part of the TC TOOLS.



ADDITIONAL FEATURES

- Reverb algorithms core 1 and 2 from the TC M5000
- New Diffusion and Tail Tuning
- Six room shapes, modeled after real rooms: Hall, Fan, Prism, HorseShoe, Small and Club
- 3 Band Tail
- Separate Early Reflections and Tail Controls
- True Stereo processing

MASTER X³

INCLUDED
COMES WITH POWERCORE

VIRTUAL FINALIZER™

Knock out Punch for any mixes or masters. Period. MASTER X3 is the virtual incarnation of the TC Electronic Finalizer™, the standard mastering processor in the pro audio field. MASTER X3 expedites the mastering process by integrating several phases of mastering into a single, easy to use interface. It features multiband processing with expansion, compression and limiting separately for each band. High quality uncorrelated dithering is included as well. The intuitive user interface features many new ideas to make the critical mastering process faster and easier. The overall processing characteristics are

controlled via "Target Curves" that simplify the handling by providing a global processing style for all bands in all modules. The interaction between the bands can be fine tuned by applying "Target Factors" which determine the frequency focus of each processing module, significantly reducing the number of required user parameters to set this complex process up. "Soft Clipping" even provides "analog" sound whenever desired.

MASTER X3 is also available for Pro Tools HD.

FEATURES

- 3-Band processing with adjustable crossovers
- Expander
- Compressor
- Limiter
- Dithering (uncorrelated)
- Look-Ahead feature of up to 10 ms
- Adjustable Digital Ceiling with accuracy of up to 0.05 dB
- Hi-Res Metering with selectable Hold Modes
- Consecutive Clippings counter



UPGRADE TO 5 BANDS!
DETAILS ON PAGE 11

24 / 7-C INCLUDED COMES WITH POWERCORE

VIRTUAL LIMITING AMPLIFIER

Convincing vintage compression and limiting using one of the most desired vintage models for PowerCore!

24/7-C was inspired by one of the vintage processors synonymous with classic dynamics processing for mixing and mastering. This Plug-In recreates the details of the sound and user interface of this hardware processor as closely as possible, delivering virtual vintage at its best. The user interface is simple and straight-forward: increasing

the input will drive the limiter depending on the selected ratio. Even the famous 4-Button-mode was implemented. A special new feature is an Auto-Gain sensing for the Output parameter, that adjusts the output depending on the program material.

24/7-C is exclusively available for PowerCore.

FEATURES

- Modeled Algorithm
- 4, 8, 12, 20 and "4-Button" Ratios
- Super-Fast Attack and Release
- Adjustable Auto-Output Gain
- 24/96 processing



VOICE STRIP INCLUDED COMES WITH POWERCORE

VOICE CHANNEL

This complete voice processing channel includes all tools required for vocal sound adjustment:

Compression, DeEssing, a dedicated Voice EQ, Low Cut Filter and Gate. Compression and EQ are modeled after classic hardware devices that deliver hi-end vintage tube

sound, but naturally VOICE STRIP can also be used for subtle processing. All modules can be run simultaneously providing you with instant total recall for professional voice sound!

VOICE STRIP is currently only available for PowerCore.

FEATURES

- Tube Compression model
- Tube EQ model
- Level-independent De-Esser
- Low Cut Filter
- Gate
- SoftSat™ algorithm
- 24/96 processing



EQSAT CUSTOM NEW INCLUDED COMES WITH POWERCORE

HI-PERFORMANCE EQ

EQSat Custom is a very clean sounding and carefully crafted EQ-model for any application including mastering. The processor provides 5 bands with 3 parametric ones and 2 additional shelving bands. The frequency response display gives instant feedback on the applied equalization curve. And

what's more, the unique saturation emulation can be activated to create that warm, analogue sound whenever desired.

A similar EQSat is also available for Pro Tools HD as part of the TC TOOLS.

FEATURES

- SoftSat™ for warm, analogue sound
- 3 parametric bands with Frequency, Gain and Bandwidth controls
- High and Low Band with Frequency, Gain and Slope controls
- Boost/Cut up to 18dB per band
- Boost/Cut frequencies with pinpoint accuracy
- 24/96 processing



VINTAGE CL INCLUDED COMES WITH POWERCORE

CHANNEL COMPRESSOR-LIMITER

Hi-quality compression and limiting on each channel is very hard to realize when limited to native processing only.

VINTAGE CL delivers just that – up to 28 VINTAGE CLs can be run on one PowerCore card, or 7 per DSP. In spite of this efficiency, VINTAGE CL employs a carefully crafted algorithm – emulating the behaviour of industry-standard analog com-

pression devices, best imagined as "dbx-style" to use a classic reference, delivering comparable results in the hardware world.

VINTAGE CL is exclusively available for PowerCore.

FEATURES

- Highly efficient channel Compressor and Limiter
- Compressor employs "transistor" model
- Limiter with SoftSat™
- 24/96 processing



CHORUS-DELAY

INCLUDED
COMES WITH POWERCORE

MODULATION MULTI-FX

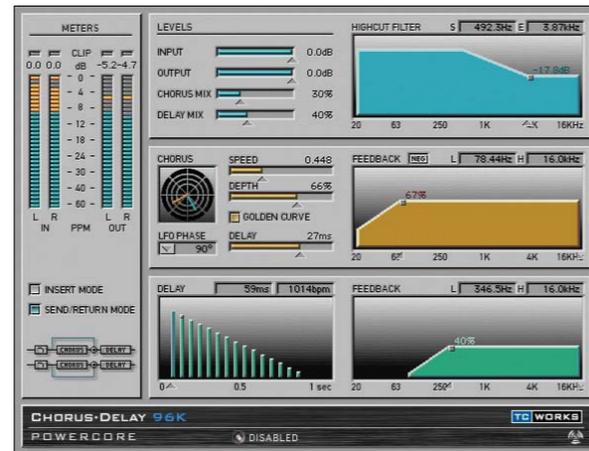
CHORUS-DELAY provides the trademark TC Electronic chorus sound. With very flexible routing and filtering facilities it recreates the 1210 Spatial Expander with its unique modulation images like Chorus, Flanging and Slap Delay .

Of course you can adjust the modulation speed in BPM.

CHORUS-DELAY is also available for Pro Tools HD as part of the TC TOOLS.

FEATURES

- Brings the classic TC1210 sound to your workstation
- 10 great Chorus, Flanging and Slap Echo delay effects
- HiCut filter
- Flexible routing
- 24/96 processing



MASTER X⁵

OPTIONAL
SOLD BY TC ELECTRONIC

UPGRADE FROM MASTER X3 FOR POWERCORE

MASTER X5 goes beyond the MASTER X3 Finalizer implementation, offering 5 bands, different filter slopes and double-precision processing. This Plug-In provides even more detailed access during the mastering process for CD and broadcast. It is optimized for 44.1 and 48 kHz processing and also an ideal tool for optimizing material like commercials

for broadcast applications; the 5 bands allow to get even more "level" out of the program material.

MASTER X5 is no longer available for Pro Tools. Only MASTER X3 is available for Pro Tools HD.

FEATURES

- 5-Band processing with adjustable crossovers
- Double-Precision Processing
- Dithering (uncorrelated)
- Look-Ahead feature of up to 10 ms
- Adjustable Digital Ceiling with accuracy of up to 0.05 dB
- Hi-Res Metering with selectable Hold Modes
- Consecutive Clippings counter

SYSTEM REQUIREMENTS

Any TC WORKS approved computer with a PowerCore, VST or Audio Units compatible application Sequencer like Logic, Cubase, Nuendo or Digital Performer. 96kHz is not supported.



POWERCORE 01

INCLUDED
COMES WITH POWERCORE

SYNTHESIZER

PowerCore is an open platform with a lot of potential to grow even further – PowerCore 01 is the first taste of synthesis technology to come. This mono-synth will deliver results similar to the famous SH-101, with some added features like velocity and drive. Punchy Bass lines, synthetic percussion

sounds or synth-leads – PowerCore 01 can do it all!

PowerCore 01 is exclusively available for PowerCore.

FEATURES

- Mono synth
- Virtual analog, no samples
- Filter with self-oscillation
- Drive section: instant TB-like sounds
- 24/96 processing
- 4 Skins: Grey, Blue, Red and Ashes



ASSIMILATOR

OPTIONAL
SOLD BY TC ELECTRONIC

EQ-CURVE ASSIMILATION AND MORPHING

Learn the sound of your favourite mix and apply it to your own. In short, that is what the ASSIMILATOR does. Equalization is one of the more difficult tasks in recording, mixing and mastering – especially when trying to match a certain sound. With ASSIMILATOR this process will be fast and instantaneous - 3 steps and you're done! The UI provides two complete sets of curves and a morph page. On the morph page, you can morph between two complete curve sets by simply moving one fader. The applications of this

processor range from film sound to mastering and of course creative use! The technology employed is based on Fast Fourier Transformation (FFT); 3 different resolutions allow you to adjust it to your needs – in the highest resolution the process is so heavy it requires a full DSP! This would easily max out a modern CPU.

ASSIMILATOR is exclusively available for PowerCore.

FEATURES

- FFT-resolutions of 2048, 4096, 8192
- Freely adjustable Apply strength
- Morph: 2 sets of curves can be blended into each other
- Draw tools for EQ-curve editing
- Curve presets (Loudness etc.)
- Limiter
- 1 per DSP in high resolution

SYSTEM REQUIREMENTS

Any TC WORKS approved computer with a PowerCore, VST or MAS compatible Sequencer like Logic, Cubase, Nuendo or Digital Performer.



SURROUND VERB OPTIONAL FOR NUENDO

TC-quality 5.1 reverb has been available to users of Steinberg's NUENDO for quite a while thanks to this Plug-In's native version. Now this new version adds PowerCore support.

SURROUND VERB features a graphic display for visualizing the reverb expansion in the virtual space, and a powerful algorithm core delivering dense and convincing state-of-the-art reverbs. The tail parameter offers the same flexibility as

FEATURES

- Runs native or on PowerCore
- Very natural results
- 4 Room Types: Hall, Horseshoe, Club, Room
- Reverb expansion display
- Power-Panning for position in a room
- Discrete tail for each channel in a 5.1 setup
- High/Low shelving filters

SYSTEM REQUIREMENTS
Any TC WORKS approved computer with a PowerCore and Steinberg's Nuendo.

MEGA REVERB with 3-band control and adjustable crossovers. The additional EQ stage provides additional sound flexibility with its low and high shelving filters.

Distributed by Steinberg – please contact Steinberg for details!



SONY OXFORD EQs OPTIONAL SONY OXFORD EQ SUITE

SONY OXFORD EQs deliver an unparalleled quality and flexibility with very musical results and extremely low noise and distortion - below -130 dB! The EQ & Filters Plug-In comprises out of 5 different sections including HF and LF selectable to shelf. Two additional HF and LF filters add to the power with variable slopes from 6 dB to 36 dB per octave. The models and technology of these Plug-Ins are based on

FEATURES

- Very musical results
- 4 different EQ-style models for a maximum of artistic flexibility – from British to transparent
- Extremely low noise and distortion (below -130 dB)
- 5 separate sections with HF and LF selectable to shelf
- 2 separate HF and LF filters with variable slope from 6 dB to 36 dB/oct
- HF sections are fully decompanded
- A/B and selection between two complete sets of settings
- 24/96 processing
- Includes mono- and stereo versions of 3 EQ Plug-Ins
- Various by Plug-In (e.g. 4 Mono-EQs per DSP)

the same as in the popular Sony Oxford consoles and Pro Tools Plug-Ins. The package includes different Plug-In versions for greater DSP-efficiency. If you are looking for the ultimate in EQ, this is your solution!

Distributed by www.sonyplugins.com (downloadable)



SYSTEM REQUIREMENTS
• TC-approved Mac or PC
• PowerCore installed • Mac OS X.2 or later / Windows 98, 2000 or XP
• PowerCore software 1.7 or later • VST or AudioUnit compatible host application such as Spark, Cubase, Logic or Performer

WALDORF D-CODER OPTIONAL SYNTHESIZER VOCODER

The Waldorf D-CODER is an extremely sophisticated vocoder and synthesizer, in one easy-to-use interface. The included polyphonic synthesizer with classic Waldorf sound eliminates the need for external carriers. The integrated Chorus unit provides rich modulation effects for "phat" sounding results, and a 3-band EQ section allows you to emphasize critical speech frequencies.

D-CODER is fully VST 2.0 compatible, and can be played from a MIDI track or a keyboard. D-CODER is so flexible, the synthesizer section can be played independently of the

FEATURES

- 3 to 100 band Vocoder
- Dual Oscillator Polyphonic Synthesizer with Ring Modulation
- Source Mixer for Analysis, Vocoder and Synth sections
- 3-band EQ, Chorus and Drive
- Carrier plug-in included
- LFO Modulation of Vocoder Filters
- MIDI Sync for all LFOs
- Responds to Polyphonic MIDI, Monophonic MIDI, or Free Run
- Fully VST 2.0 compatible

vocoder section. If you are using a VST 2.0 compatible sequencer, all LFOs can follow MIDI sync, allowing you to independently modulate the synthesizer and the vocoder in musically relevant values such as "8 bars". With the included Carrier plug-in, you can also vocode audio without using the synthesizer section, combining different audio tracks for unbelievable results.

D-CODER is exclusively available for PowerCore.



SONY OXFORD DYNAMICS NEW OPTIONAL FULL DYNAMICS AND COMPRESSION FROM THE OXF-R3

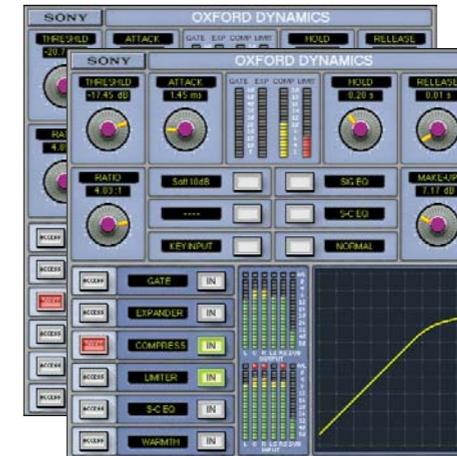
SONY OXFORD DYNAMICS is a Plug-In Bundle featuring a Channel Dynamics and a surround-capable Bus Compressor Plug-In. The Dynamics section includes Compressor, Limiter, Gate and Expander with controls that have been optimized carefully for maximum flexibility within the intended specific use of that section. The very wide control ranges offered within the applications are accommodated in the GUI using specific control laws that encourage experimentation over a very wide parameter set without the loss of finer control

FEATURES

- Includes 2 Plug-Ins: Channel Dynamics & Bus Compressor
- Channel Dynamics with Compressor, Limiter, Gate, Expander and 2 Band side chain EQ
- Bus Compressor / Limiter supports multi-format surround
- Selectable linear and exponential time constant curves.
- Highly accurate logarithmic side chain processing.
- Fully variable soft ratio function for extreme program tolerance and highly musical compression.
- Variable harmonic enhancement for extra loudness, presence and 'punch'.
- Selectable re-dithering function
- Extremely low signal path noise and distortion, below -130dB.

sensitivity and detail. Careful consideration has also been given to the dynamic behaviour of the time constants, as this factor is largely responsible for the sonic character of the dynamics application. Another Sony Oxford classic for PowerCore!

Distributed by www.sonyplugins.com • FROM SUMMER 2003



SYSTEM REQUIREMENTS
• TC-approved Mac or PC
• PowerCore installed • Mac OS X.2 or later / Windows 98, 2000 or XP
• PowerCore software 1.7 or later • VST or AudioUnit compatible host application such as Spark, Cubase, Logic or Performer

SONY OXFORD INFLATOR

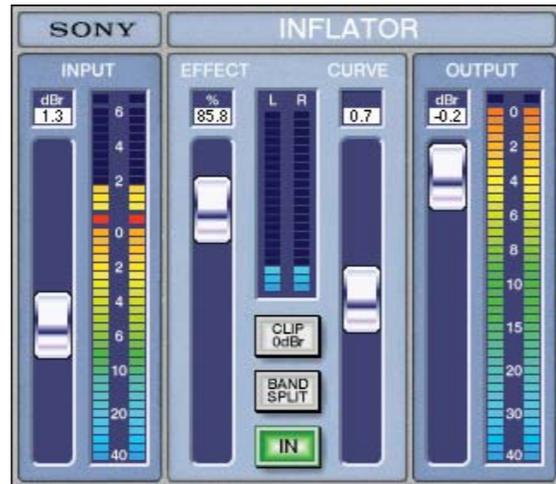
OPTIONAL
SOLD BY SONY

TUBE EMULATED DYNAMICS PROCESSOR

The INFLATOR is a unique process that can provide an increase in the apparent loudness of almost any program, without obvious loss of quality or audible reduction of dynamic range, yet avoiding damaging increases in the peak level of the signal. The INFLATOR process can also bring power, presence and warmth to program material and even

provide a headroom overload margin above the digital maximum, with a subtlety and musical character reminiscent of tube systems.

Distributed by www.sonyplugins.com (downloadable)



FEATURES

- Increases the loudness of almost any program material
- Creates warmth, character and dynamic excitement, similar to that of analog systems
- Provides virtual headroom above digital maximum
- Creates artistic effects ranging from subtle tube-like harmonic characteristics for warmth, presence and 'in your face' fatness, to outright saturation distortion modelling
- 2 modes of operation for maximum flexibility, artistic creativity and optimal DSP usage

SYSTEM REQUIREMENTS

• TC-approved Mac or PC • PowerCore installed • Mac OS X.2 or later / Windows 98, 2000 or XP • PowerCore software 1.7 or later • VST or AudioUnit compatible host application such as Spark, Cubase, Logic or Performer

TC-HELICON VOICEMODELER

NEW
OPTIONAL
SOLD BY TC-HELICON

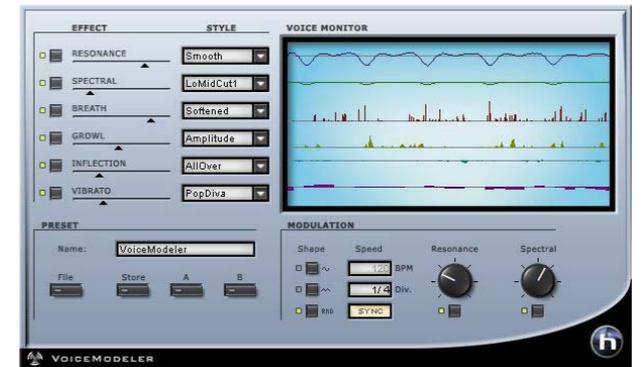
VOICE MORPHING TOOL FOR POWERCORE

VoiceModeler utilizes TC-Helicon's unique technology to alter the sound of a voice completely. The realtime process can turn "thin" vocals into "throaty" ones - or even transform a "male" into a "female" voice. Now, one singer can have multiple "Voice Personalities" - and a convincing choir sound featuring different voices can be built from one "source sound". VoiceModeler's "Resonance" and "Breath" features combined with the "Spectral" features can be used to subtly enhance the sound of a vocal. It will make it crisper, give it slightly more "body" or create a "breathy" intimate sound - or even all at the same time!

FEATURES

- Latest TC-Helicon Voice Modeling technology
- Changes all voice aspects
- The voice is resynthesized based on real human models
- Morph from male to female
- Includes new voice model styles
- Vibrato Function adds vibrato to vocals that were sung too "straight"
- LFO with MIDI-Sync to modulate the Resonance and Spectral aspects of the model
- Intuitive display illustrating the effect of each modeling parameter
- Morph voices including gender-change

VoiceModeler is not a Pitch-fixing tool - instead it changes voices completely. Taken to the extreme, VoiceModeler creates unheard-of voices. The tempo-synced modulation and Plug-In automation add their bit to the sonic freedom unleashed by VoiceModeler!



SYSTEM REQUIREMENTS

• TC-approved Mac or PC • PowerCore installed • Mac OS X.2 or later / Windows 98, 2000 or XP • PowerCore software 1.7 or later • VST or AudioUnit compatible host application such as Spark, Cubase, Logic or Performer

DSOUND VL2

OPTIONAL
SOLD BY DSOUND

MULTICHANNEL VALVE INTERFACE

The VL2 is an 8-channel virtual valve interface for mixing and mastering, adding the warmth and life of tube processing to any digital recordings. This Plug-In was developed by DSound as a direct result of the phenomenal growth in popularity of affordable hard disk recording systems. The mission was to fix the sometimes cold and clinical sound of digital recordings and its unobtrusive processing. The VL2 is an elegant solution with a simple interface and a superior audio quality. The VL2 goes beyond the functionality of com-

mon valve interfaces by allowing you to control the amount of saturation with a single, finely tuned control. Each channel of the VL2 has unity gain - so levels are unaffected - but as each channel incorporates a valve stage, the audio signal benefits from the warmth of the finely modeled valve characteristics.

Distributed by www.dsound1.com. Please contact DSound for details.



FEATURES

- Warm sounding results
- Multichannel mode with 8 channels in Nuendo
- Unity Gain per channel
- Very simple handling - 1 control across all channels
- 24/96 processing
- 3 per DSP at 48 kHz

SYSTEM REQUIREMENTS

• TC-approved Mac or PC • PowerCore installed. VST or MAS compatible Sequencer like Logic, Cubase, Nuendo or Digital Performer.

TC-HELICON INTONATOR

NEW
OPTIONAL
SOLD BY TC-HELICON

VOCAL INTONATION CORRECTION

The TC-Helicon Intonator for PowerCore fixes intonation problems in vocals on the fly, saving producers hours of recording and editing time.

The Plug-In utilizes the latest intonation correction technology also found in TC-Helicon's hardware products and delivers very natural sounding results. The user interface is straightforward and easy-to-use with a realtime pitch and processing display.

For creative applications, the maximum pitch correction range is +/- 600 Cents, allowing you to even force a melody to one note, if you like!

Additionally, an innovative adaptive Low Cut Filter removes unwanted low frequency rumble and noise - without making the voice sound thin.

FEATURES

- Latest generation TC-Helicon technology
- Maximum Correction range is +/- 600 Cents
- Correction width can be limited to particular notes and ranges
- Correction can be limited to react only to extreme pitch errors
- Intuitive interface
- Adaptive Low Cut Filter

SYSTEM REQUIREMENTS

• TC-approved Mac or PC • PowerCore installed • Mac OS X.2 or later / Windows 98, 2000 or XP • PowerCore software 1.7 or later • VST or AudioUnit compatible host application such as Spark, Cubase, Logic or Performer



SPARK XL

THE REAL-TIME DIGITAL AUDIO EDITOR FOR MAC OS X

SPARK XL is TC WORKS' professional audio authoring solution for MacOS X. This application goes way beyond classic two-track editing, by supplying extensive signal processing, audio restoration and even CD-burning facilities.



BROWSE

Spark XL's workflow-oriented One Window Approach makes it easy to keep the overview. The Browser View integrates all aspects of editing into one window: Audio Data Base, Wave Editor and Play List. All key features are fast to access, as real-time processing, Plug-In access and Master Out are all integrated into the Master View.

EDIT

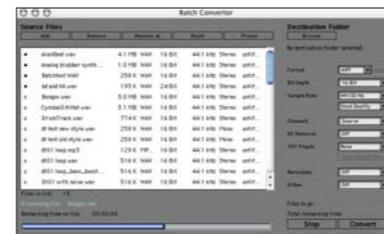
The Edit View provides all of the key editing features expected from a first class audio editor - and then some! Separate Play and Edit cursors make it easy to locate edit points and simplify the generation of segments and regions. Markers may be created on the fly and even show up in the Play List.



Audio can be displayed in up to single-sample resolution, and the zooming routines are extremely fast. Off-line access to Plug-Ins ensures fast and easy processing of short passages in long files without requiring cumbersome edit stunts.

BATCH CONVERT

Spark XL includes a Batch Converter with Plug-In access that even maintains the folder structure of complex file stacks when processing to a new destination. The process is completely automatic, so rather than having to convert or process one file after the other yourself, you can leave this tedious work to Spark!



PROCESS

SPARK XL includes 25 quality Plug-Ins from Reverb to Denoising and Declicking, right out of the box. The Master View features the unique FX Machine, a real-time processing matrix for any kind of processing from effects to audio restoration. This extremely flexible FX-routing matrix is a creative power tool with endless possibilities for real-time sound manipulation, sound design and of course mastering.



SYSTEM REQUIREMENTS

Apple Macintosh G3 300 MHz or better MacOS X (v10.2 or higher) • 256 MB RAM • Optional CD Burner • Optional CoreAudio compatible I/O Device • QuickTime 6 recommended

MASTER

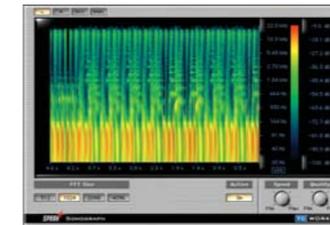
High Resolution Metering with phase correlator and 2 real-time analyzers take care of the visual part of mastering. The FX Machine with its multi-band processing capabilities and included Compressors, Limiters and EQs, provides the sonic tools to get the job done. The MBM Noise Shaping and Dithering technologies ensure optimal results.



MEGABITMAX

MEGABITMAX is a novel Word Length Reduction technology developed for hi-end audio mastering. It is created for applications that demand the highest level of detail resolution from audio mastering, and it is an excellent solution for recordings with high dynamic range, such as classical, jazz, film music, etc. Unlike the noise of other word length reduction systems, the dither noise is not disturbing to the human ear. It has a natural

spectrum across the audible frequency range, so users can describe the sound as "vinyl-like" and "analog". While preserving the finest detail of your high-resolution master, the dither noise has very small amplitude, so it won't present any problems for post-processing/duplication equipment. MEGABITMAX is completely optimized for 44.1 kHz and higher (96 kHz, 192 kHz...) sampling rates.



RESTORE

Real-time Denoising, Declicking, DC-Removal and high quality cut filters provide power tools for audio restoration. Additionally, the included Sonograph Analyzer displays frequency content of files, further simplifying the visual detection of any unwanted artefacts.

ASSEMBLE, CROSSFADE & BURN

Spark XL includes a Play List feature in the main Browser View, that allows the creation of complex track lists, including real-time crossfades (which may be set up on-the-fly in their own dedicated cut-edit window), combining multiple takes into one index and direct access to Apple's CD-burning services.



INCLUDED PLUG-INS

- SPARK FX MACHINE
- SPARK FX MACHINE Instrument
- Bandpass
- Cut Filter
- Reverb
- Resonance Filter
- FuzzSat
- Grainalizer
- Touch Wah
- Tape Delay
- 1 Band EQ
- 3 Band EQ
- Compressor & Limiter
- Maxit
- Expander
- TCO – Oscillator
- TCF – Filter
- TCA – Amplifier
- TCSeq – Step Sequencer
- TCK – Virtual Keyboard
- Sonic Destructor (upon registration)
- Declicker
- Denoiser
- Sonograph
- Metergraph

NATIVE BUNDLE

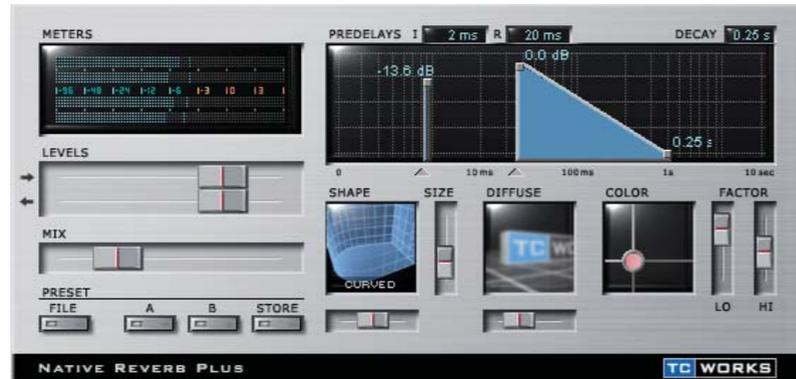
CREATIVE AND PRODUCTION EFFECTS BUNDLE

NATIVE BUNDLE provides everything for processing a native production in true TC-quality! This bundle covers all your needs for equalization, dynamics processing, limiting, reverberation and creative filtering - all tools are performance optimized, so they really work in native multitrack environments. The intuitive user interfaces make these Plug-Ins invaluable tools you'll want to use instantly!



REVERB

Native Reverb Plus sports an extended version of the renowned Native Reverb algorithm - with even smoother sounding tails and more user parameter access than the original version. This Plug-In brings TC-quality reverb to any VST or AudioUnit compatible recording environment without bringing the CPU to its knees! (Tip: Check PowerCore for the ultimate in Plug-In Reverb!)



SIDECHAIN COMPRESSOR • DEESSER

This solution includes two Plug-Ins: the main Compressor•DeEsser and the SideChain Plug-In. This extremely flexible and powerful dynamics processing tool is the "Swiss Army Knife" for single band dynamics processing with "digital" and "analog" sounding compression, level-independent deessing and even program-controlled compression (ducking).



PARAMETRIC EQ

This powerful 10 Band Parametric EQ offers much more than what is found in traditional Parametric EQs: Seven bands are fully configurable parametric bands, a unique virtual joystick controls three additional bands for simultaneous and fast overall treble and loudness control. The seven bands can be freely assigned to work as Parametric, High Shelf, Low Shelf or even Notch Filters - or any combination of these. Split gain controls for left and right channels give instant access for working on channels discreetly, or to move bands around in the stereo image.



SYSTEM REQUIREMENTS

Apple Macintosh G3 300 MHz or better • MacOS 9 or MacOS X (v10.2 or higher) • 256 MB RAM • VST or Audio Units compatible host application • Optional I/O Device compatible with host application



Intel PIII 500 MHz or better • Windows 98, ME, 2000 or XP • 256 MB RAM • VST compatible host application • Optional I/O Device compatible with host application

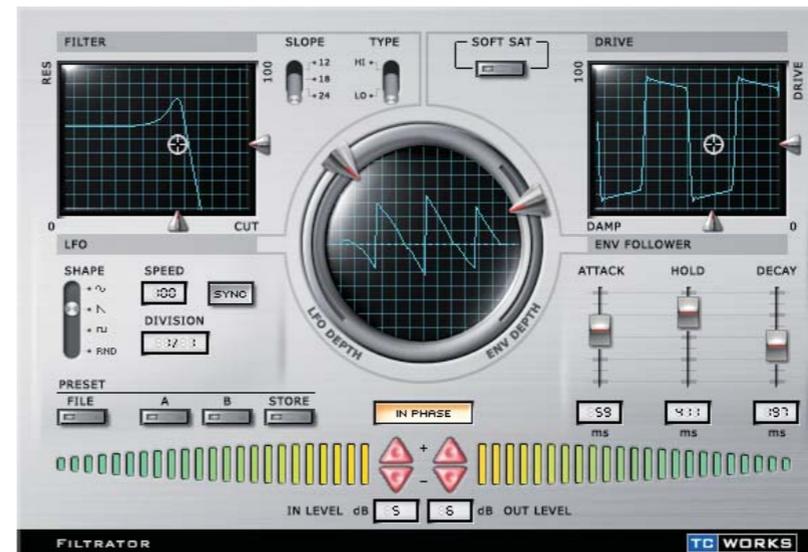
GRAPHIC EQ

The unique virtual "Touch Screen" makes this 28 band Graphic EQ Plug-In extremely intuitive and fast to set up. Simply draw the desired frequency response curve with the mouse and the EQ is set. Additionally, the Curve Scale Fader allows instant adjustment or even inversion of the overall curve. The bands can be grouped for easier handling, and the Plug-In can be set to operate with fewer bands to free up performance. The SoftSat feature engages a dedicated "analog emulation" algorithm whenever color and warmth is desired.



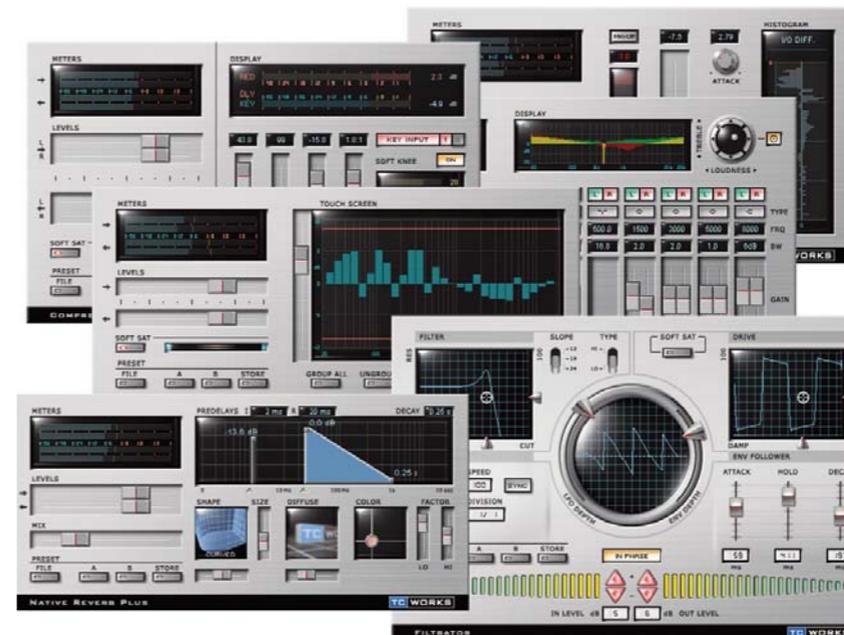
FILTRATOR

This virtual Filter Bank provides all the features - and the sound - required for en vogue filtering effects. Its innovative controls and fast editing bring synthesizer-style filter processing to any native environment. Modulation of the filters is available via an envelope follower, the flexible LFO section with MIDI-tempo-sync, or even both sources at the same time. Of course, this Plug-In can be completely automated. The Filtrator has quickly become a "virtual classic", with rave reviews all over the world!



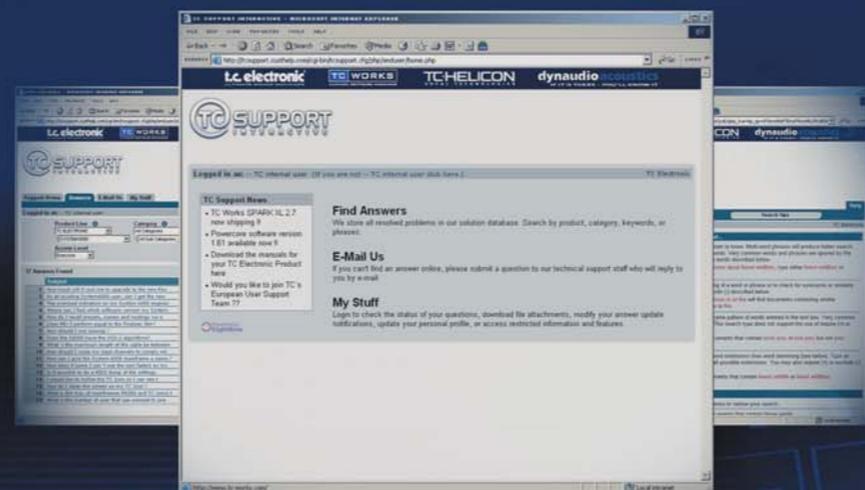
INCLUDED TOOLS

- Reverb
- Parametric EQ
- Notch Filter
- Distortion
- Low Cut Filter
- High Cut Filter
- Graphic EQ
- Soft Compressor
- Vintage Compressor
- Limiter
- DeEsser
- Saturation (Analog Sound)
- Synth Filter
- Envelope Follower
- Ducking
- High Res Metering



TC Support Interactive

The TC Support Interactive web site is designed as an online support and information center. At the site you can find answers to specific problems regarding TC hardware and software. All resolved problems are stored in a database searchable by product, category, keywords, or phrases. Under the section "My Stuff" you can Login to check the status of your questions, download file attachments and a lot more. Furthermore, you can download most of the TC manuals, software updates and presets. This site has been specifically designed for the users of TC products. We constantly update the database and you will find the site to be a huge resource of information. Browse through Q&A's and discover new aspects of your TC product. If you can't find an answer online, you have the option of submitting a question to our technical support staff who then will reply to you by e-mail. The TC Support Team is on constant alert to help you in any way they can.



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ULTIMATE SOUND MACHINES

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