



The Offspring of a Giant!



REVERB4000 - The Stereo Incarnation of System 6000

The massive System 6000 Reverb Palette - now in stereo!

Reverb 4000 is the first new technology Main Stereo Reverb in a decade. Its broad palette spans from new state-of-the-art Reverbs to world-renowned classics, and include the best Stereo Reverbs and presets from System 6000 and M5000.

Studio Reverb Par Excellence

The quest for depth, localization, spaciousness and character is paramount when working with music. Reverb 4000 gives pro studios a definite Reverb and spatial advantage and complements any large-scale mixing console. For the first time it is truly possible to process a composite stereo source or to render credible spaces onto two discrete sources.

Reverb 4000 is easy to integrate with a DAW - and it gives you a Reverb quality you won't find inside any workstation.

The Ease of Reverb - At the Venue

From the front panel you have instant access to key parameters - locating presets from System 6000, M5000 and vintage devices is a breeze with the dedicated search function. Never before has a main Reverb provided so many colors on the palette - switch between Character, Glory and Vintage Reverb effects with the push of a button.

Inherent is the latest DSP technology delivering space - not consuming it. USB connection to Mac or PC, 96 kHz operation, 24 bit conversion, AES and ADAT interface are a matter of course.

Looking for the ultimate Reverb Palette? It's in there!

- ▶ TRUE STEREO REVERBS FROM THE SYSTEM 6000
- ▶ New PRISTINE STEREO REVERB
- ▶ FAVORITE PRESETS AND ALGORITHMS FROM THE M5000
- ▶ REALISTIC ENVIRONMENTS FROM A CLOSET TO A CANYON
- ▶ VSS-4, SOURCE BASED REVERB PROVIDING ROOMS WITH CHARACTER
- ▶ CLASSIC REVERBS PROVIDING POLISHED SUSTAIN
- ▶ VINTAGE REVERB EMULATIONS INCLUDING EMT 250
- ▶ INSTANT ACCESS USER INTERFACE
- ▶ 44.1 TO 96kHz SAMPLE RATES AND 24 BIT PROCESSING
- ▶ ONE ENGINE, MASSIVE SRAM, NO COMPROMISE DESIGN
- ▶ DIGITAL AND ANALOG WIDE DYNAMIC RANGE DESIGN
- ▶ MAC/PC ICON EDITOR PROGRAM INCLUDED
- ▶ 24 BIT AES/EBU, Tos-LINK, S/PDIF, ADAT AND ANALOG I/O's



Control the Reverb 4000 directly from the USB port of your Mac or PC with the included TC Icon software.

REVERB4000

AES/EBU, S/PDIF and Tos-link digital I/O's with
Outputs always active. Sample Rates: 44.1 - 96kHz.

USB port for
PC/Mac interface.



The auto-sensing power supply automatically accepts and adjusts itself to voltage supplied.

Balanced analog I/O's with Outputs always active.

Word Clock Input ensures accurate Sample Rate synchronization.

The MIDI section in the Reverb 4000 is very useful for controlling any parameter from a sequencer or controlling the Reverb 4000's parameters from a remote MIDI controller.

Technical specifications:

Digital Inputs and Outputs

Connectors:	XLR (AES/EBU) RCA Phono (S/PDIF) Optical (Tos-link, ADAT)
Formats:	AES/EBU (24 bit), S/PDIF (24 bit), EIAJ CP-340, IEC 958, EIAJ Optical (Tos-link), ADAT Lite pipe (24 bit)
Output Dither:	HPF/TPDF dither 8-20 bit, independent dithered output
Word Clock Input:	RCA Phono, 75 ohm, 0.6 to 10 Vpp
Sample Rates:	32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz
Processing Delay:	0.2 ms @ 48 kHz
Frequency Response DIO:	DC to 23.9 kHz \pm 0.01 dB @ 48 kHz DC to 47.9 kHz \pm 0.01 dB @ 96 kHz

Analog Inputs

Connectors:	XLR balanced (pin 2 hot)
Impedance:	20 Kohm
Max. Input Level:	+22 dBu (balanced)
Min. Input Level (for 0 dBFS):	-10 dBu
Sensitivity:	@ 12 dB headroom: -22 dBu to +10 dBu
A to D Conversion:	24 bit (6.144 MHz delta sigma @ 48/96 kHz)
A to D Delay:	0.8 ms @ 48 kHz, 0.4 ms @ 96 kHz.
Dynamic Range:	>103 dB (unweighted, BW = 22 kHz), >106 dB(A)
THD:	-95 dB (0.0018 %) @ 1 kHz, -6 dBFS (FS @ +16 dBu)
Frequency Response:	10 Hz to 20 kHz : +0/-0.2 dB @ 48 kHz 10 Hz to 45 kHz : +0/-1 dB @ 96 kHz
Crosstalk:	<-80 dB, 10 Hz to 20 kHz typical -100 dB @ 1 kHz

Analog Outputs

Connectors:	XLR balanced (pin 2 hot)
Impedance:	100 ohm (active transformer)
Max. Output Level:	+22 dBu (balanced)
Full Scale Output Range:	-10 dBu to +22 dBu
D to A Conversion:	24 bit (6.144 MHz delta sigma @ 48/96 kHz)
D to A Delay:	0.57 ms @ 48 kHz, 0.28 ms @ 96 kHz
Dynamic Range:	>+100 dB (unweighted, BW = 22KHz), >+104 dB(A)
THD:	-82 dB (0.008 %) @ 1 kHz, -6 dBFS (FS @ +16 dBu)
Frequency Response:	10 Hz to 20 kHz : +0/-0.5 dB @ 48 kHz 10 Hz to 45 kHz : +0/-3 dB @ 96 kHz
Crosstalk:	<-60 dB, 10 Hz to 20 kHz typical -90 dB @ 1 kHz

EMC

Complies with:	EN 55103-1 and EN 55103-2 FCC part 15, Class B CISPR 22, Class B
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Safety

Certified to:	IEC 60065, EN 60065, UL 6500 and CSA E65 CSA File#LR108093
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Environment

Operating Temperature:	32° F to 122° F (0° C to 50° C)
Storage Temperature:	-22° F to 167° F (-30° C to 70° C)
Humidity:	Max. 90 % non-condensing

PCMCIA Interface

Connector:	PC Card, 68 pin type 1 cards
Standards:	PCMCIA 2.0, JEIDA 4.0
Card Format:	Supports up to 2 MB SRAM

Control Interface

MIDI:	In/Out/Thru: 5 Pin DIN
GPI, Pedal, Fader:	1/4" phone jack

General

Finish:	Anodized aluminum front Plated and painted steel chassis
Display:	56 x 128 dot graphic LCD
Dimensions:	19" x 1.75" x 8.2" (483 x 44 x 208 mm)
Weight:	5.2 lb. (2.35 kg)
Mains Voltage:	100 to 240 VAC, 50 to 60 Hz (auto-select)
Power Consumption:	<20 W
Backup Battery Life:	>10 years

Warranty

Parts and labor:	1 year
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Note: Due to continuous development and standardization all specifications are subject to change without notice

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ULTIMATE SOUND MACHINES

TC ELECTRONIC A/S • DENMARK • ☎ + 45 8742 7000 • [FAX] +45 8742 7010

TC ELECTRONIC INC • USA • ☎ (805) 373 1828 • [FAX] (805) 379 2648

WWW.TCELECTRONIC.COM