

Numerical Sound Reverb and Timbral Impulses from FORTI and SERTI brings warmth of LASS to a new level. This string demo by James Semple was processed with FORTI & SERTI and Vienna Suite (Convolution Reverb & Limiter were used). A parametric notch at 93Hz was applied to all examples to reduce the resonance slightly.

The Film Eq adds warmth and openness to the sound by emphasizing the harmonics over the bowing noise as well as adding scale consistency to each instrument. Each Film Eq uses Orch2 Timbral Impulses which can be applied to any non-VSL string library. While all the Film Eq's Timbral Impulses can be applied to non-VSL libraries - the FORTI Film EQ's are optimized precisely and specifically for each of the VSL String Libraries.

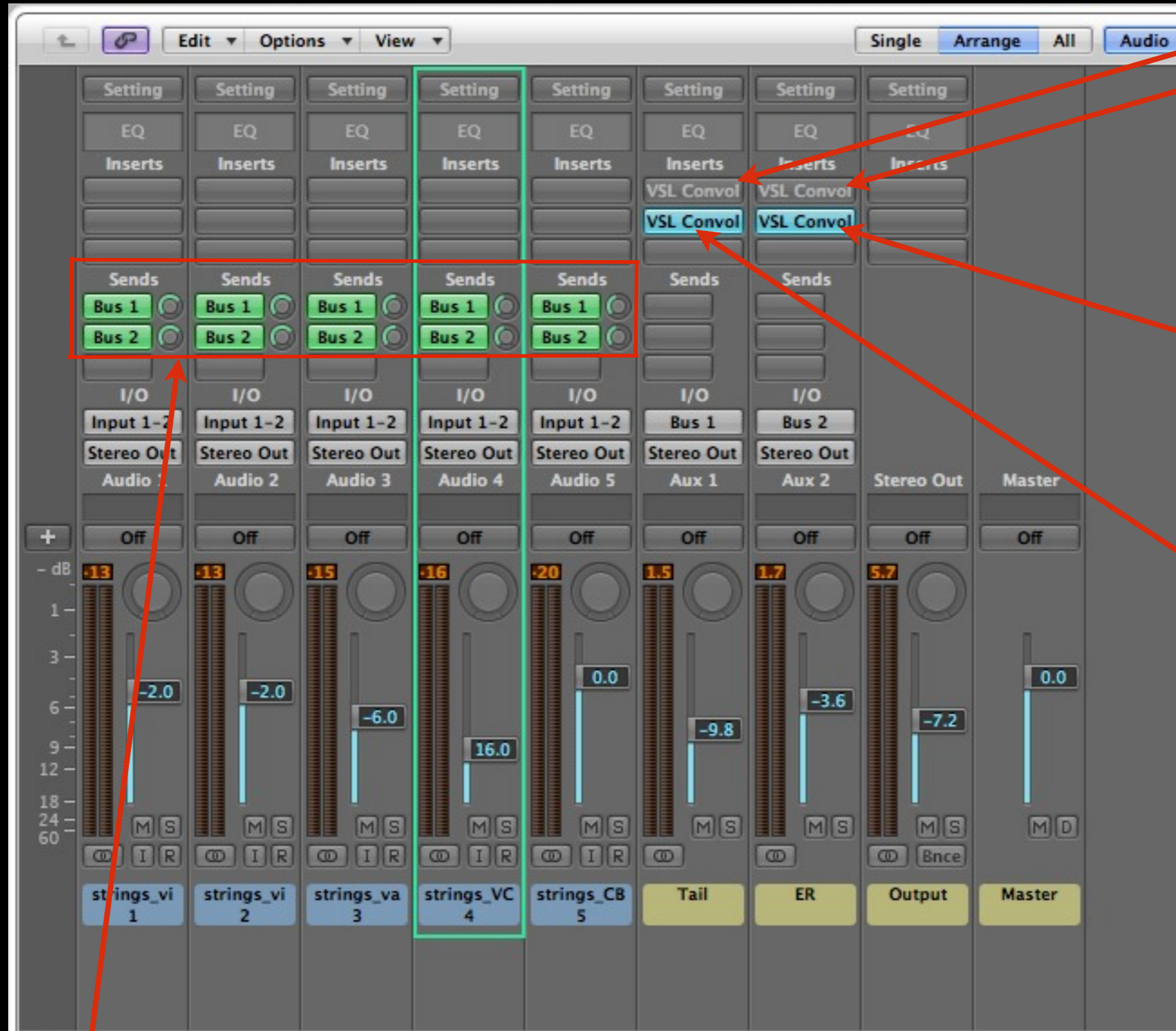
Audio Examples

- 1) TheLastHope_Amb_VII_noFEq_noTILT_NT93_LMI_50ms.mp3 Original but with no Film Eq or TILT Filter Timbral Impulses
- 2) TheLastHope_Amb_VII_FEq_Nt93LMI_50ms.mp3 with Film Eq and TILT Filter Timbral Impulses
- 3) TheLastHope_Amb_VII_FEq_93Nt_BE195_20dbLMI_50ms.mp3 Film Eq with SERTI's Bass Enhancement Timbral Impulse

Without the loss of subtle nuance, a common challenge for sampled orchestrations, the SERTI bass enhancement process adds a solidity and substance. SERTI preserves clarity, adds warmth which enhances the expressiveness and makes it a practical option for preserving the qualities of a finely tuned arrangement.

Many thanks to Jeannot Welter, Per Lichtman and Massimo Tofone for their assistance.

Mixer Setup for Strings without Film Eq and TILT Filter Timbral Impulses

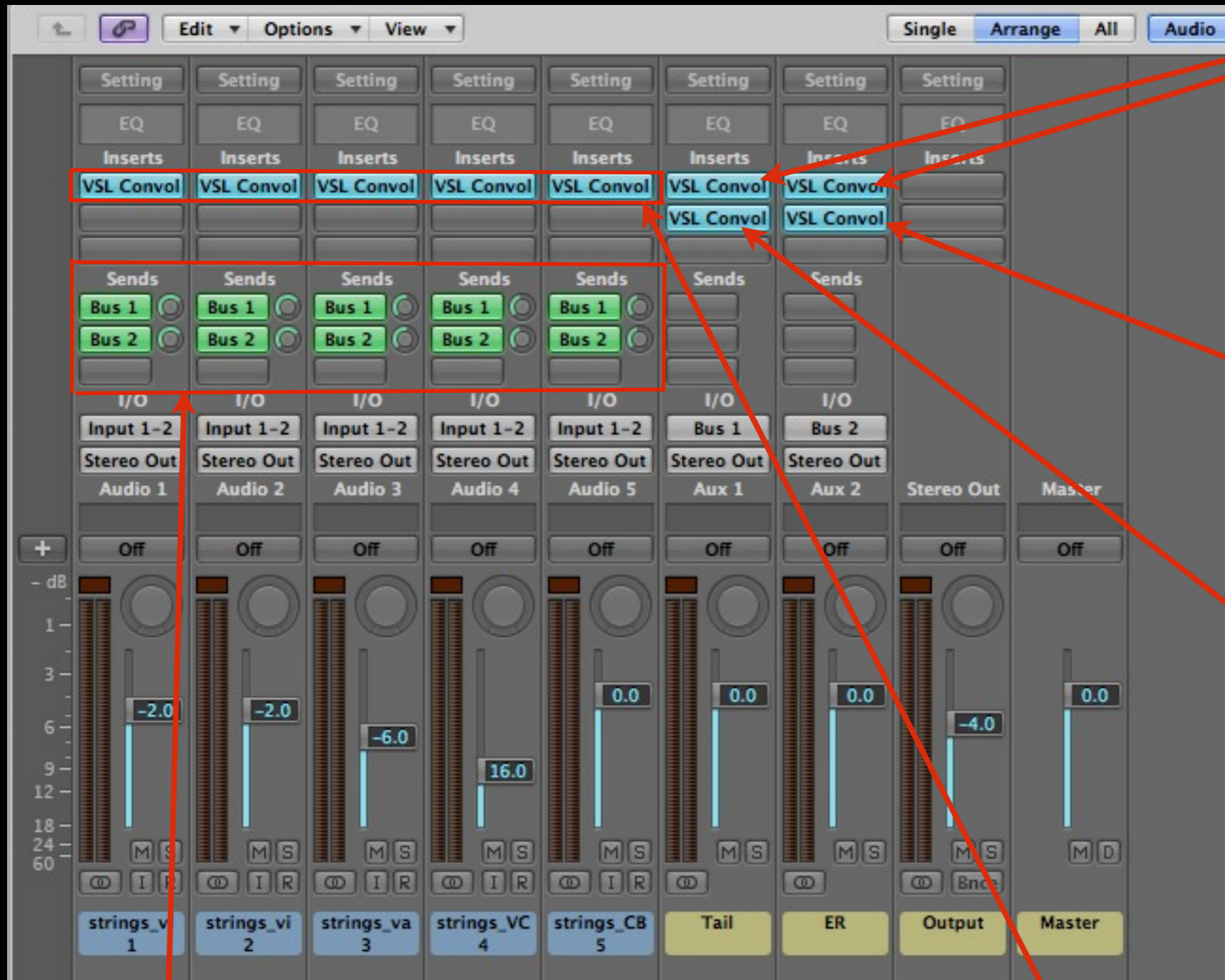


TILT filters are inactive - Bypass Mode

TILT Filter is 1046Hz_C6_Brighter09_44K_TI

Aux Buss Pre-Fader levels are 0dB for Violins, -5dB for Violas, -8dB for Cello & Double Bases

Mixer Setup for Strings with Film Eq and TILT filter Timbral Impulses



TILT Filter used is 1046Hz C6 Brighter09 44K TI

Early Reflection Impulse 27 ER Orch 42 99 Short 1st Reflection is 42ms and the total length of the ER is 99ms

Reverb Tail Impulse used 12_Dramatic Hall 6

Aux Buss Pre-Fader levels are 0dB for Violins, -5dB for Violas, -8dB for Cello & Double Bases

Film Eq Timbral Impulses as Inserts

Reverb Tail Impulse - used in all demos



Note that the PREDELAY = 83.5 ms - this is to let the Early Reflections dominate the ambience first before the dense rich reverb tail enters.

Early Reflection Reverb Impulse - used in all demos

The screenshot displays the VSL Convolution Reverb software interface. At the top, there are window controls and a title bar labeled "ER". Below this, a menu bar includes "View", "Show Channel Strip", and "Show Insert". A toolbar contains "Bypass", "Compare", navigation arrows, "Untitled", "Copy", and "Paste". The main header reads "VIENNA SYMPHONIC LIBRARY convolution reverb".

Below the header is a control bar with "FACTORY PRESETS", "LOAD", "SAVE", "DELETE", and "RESET" buttons. The central area features a large waveform graph showing an impulse response. The y-axis represents amplitude in dB, ranging from +12 to -60. The x-axis represents time in seconds, with markers at 0.14s, 0.34s, 0.54s, 0.75s, 0.95s, 1.15s, and 1.35s. To the right of the graph is a vertical volume slider set to 11.2dB.

Below the graph is a row of effect buttons: "REVERSE", "VOL" (highlighted in pink), "LP", "HP", "DECORR", "PAN", "EQ", "RESET", "ALL", and "MONO INPUT".

The bottom section contains several parameter controls:

- IMPULSE:** A dropdown menu showing "27 ER Orch 42 99 Short.vci". Below it, a text box provides details: "4ch / 1.491s / 24bit / 96000Hz", "Early Reflection #27 length 99ms.", "Short tail. 1st reflection starts at 42ms. Very discrete in character.", "Copyright (c) 2009 Numerical Sound", and "http://www.numericalsound.com".
- DRY:** A vertical slider set to -inf.
- WET:** A vertical slider set to 0.0dB.
- DECORR:** A vertical slider set to 0.0%.
- PREDELAY:** A horizontal slider set to 0.0.
- START:** A horizontal slider set to 0.000.
- LENGTH:** A horizontal slider set to 1.491.
- RESAMPLE:** A horizontal slider set to 1.00x.
- LATENCY:** A control set to 16384.

At the bottom, there are "REVERSE", "AUTO GAIN", "MUTE", and "MUTE" buttons, and the text "VSL Convolution Reverb".

TILT Filter Timbral Impulse for Reverb ER & Tail - used in demos with Film Eq Timbral Impulses

The screenshot displays the VSL Convolution Reverb plugin interface. At the top, the window title is "Tail". Below the title bar, there are menu options: "View", "Show Channel Strip", and "Show Insert". A toolbar contains "Bypass", "Compare", navigation arrows, "Untitled", "Copy", and "Paste". The main header reads "VIENNA SYMPHONIC LIBRARY convolution reverb". Below this are buttons for "FACTORY PRESETS", "LOAD", "SAVE", "DELETE", and "RESET".

The central part of the interface features a large frequency response graph. The y-axis represents gain in dB, ranging from +12 to -60. The x-axis represents time in seconds, with markers at 0.02s, 0.04s, 0.07s, 0.09s, 0.12s, 0.14s, and 0.17s. A pink curve shows a sharp initial peak followed by a gradual decay. To the right of the graph is a vertical volume knob set to 7.7dB, with a scale from 0 to 30.

Below the graph is a row of filter buttons: "REVERSE", "VOL" (highlighted in pink), "LP", "HP", "DECORR", "PAN", "EQ", "RESET", "ALL", and "MONO INPUT".

The bottom section contains several control parameters:

- IMPULSE:** A dropdown menu showing "1046Hz C6 Brighter09 44K TI.vci". A text box below provides details: "2ch / 0.186s / 24bit / 44100Hz", "Tilt Filter +ve gain shift > 1046Hz", "Dry=0% Wet=100%. Before RI Plug-in.", "For 44KHz audio only. 1-18, 18=Max EFX", "Copyright (c) 2009 Numerical Sound", and "http://www.numericalsound.com".
- DRY:** A vertical knob set to -inf.
- WET:** A vertical knob set to 0.0dB.
- DECORR:** A vertical knob set to 0.0%.
- PREDELAY:** A horizontal knob set to 0.0.
- START:** A horizontal knob set to 0.000.
- LENGTH:** A horizontal knob set to 0.186.
- RESAMPLE:** A horizontal knob set to 1.00x.
- LATENCY:** A dropdown menu set to 16384.

At the bottom, there are buttons for "REVERSE", "AUTO GAIN", "MUTE", "MUTE", and the text "VSL Convolution Reverb".

Film Eq Timbral Impulse for Violins. Viola's, Cello and DBasses also have Film Eq Timbral Impulses (as inserts).

The screenshot displays the VSL Convolution Reverb software interface. At the top, the window title is "strings_vi1_FEq". Below the title bar, there are control buttons for "View", "Show Channel Strip", and "Show Insert". A "Bypass" button is on the left, and "Compare", "Untitled", "Copy", and "Paste" buttons are on the right. The main header reads "VIENNA SYMPHONIC LIBRARY" and "convolution reverb". Below this, there are buttons for "FACTORY PRESETS", "LOAD", "SAVE", "DELETE", and "RESET".

The central part of the interface features a large graph showing the impulse response. The y-axis represents gain in dB, ranging from +12 to -60. The x-axis represents time in seconds, with markers at 0.25s, 0.60s, 0.96s, 1.31s, 1.67s, 2.03s, and 2.38s. A vertical slider on the right of the graph is set to 7.7 dB. Below the graph, there are buttons for "REVERSE", "VSL", "LP", "HP", "DECORR", "PAN", "EQ", "RESET", "ALL", and "MONO INPUT".

The bottom section contains several controls:

- IMPULSE:** A dropdown menu showing "01 Orch2 Vi FilmEQ 44K TI.vci". Below it, a text box provides details: "2ch / 2.630s / 24bit / 44100Hz", "Film EQ for Orchestral 2 Violins. Adds warmth, weight & evenness to the tone.", "Dry=0% Wet=100%. For 44KHz audio only.", "Copyright (c) 2009 Numerical Sound", and "http://www.numericalsound.com".
- DRY:** A vertical slider set to "inf".
- WET:** A vertical slider set to "0.0dB".
- DECORR:** A vertical slider set to "0.0%".
- PREDELAY:** A horizontal slider set to "0.0".
- START:** A horizontal slider set to "0.000".
- LENGTH:** A horizontal slider set to "2.630".
- RESAMPLE:** A horizontal slider set to "1.00x".
- LATENCY:** A dropdown menu set to "16384".

At the bottom, there are buttons for "REVERSE", "AUTO GAIN", "MUTE", "MUTE", and "LATENCY". The text "VSL Convolution Reverb" is centered at the very bottom.