



CLASSIC VERB

USER MANUAL

INTRODUCTION

CLASSIC VERB has been modelled after a world renowned studio reverb to achieve its distinctive rich and textured classic reverb sound. CLASSIC VERB's algorithm follows a completely different design philosophy and is unlike any reverb TC Works has done in the past, offering a completely different sound from MegaReverb. Apart from the elegant user interface, CLASSIC VERB features a choice of modulation types for sonically rich timbres. Fifteen room types provide a wealth of different unique spaces, featuring Halls, Plates, Cathedral, Spring as well as three rooms tuned especially for vocal processing.

2 instances of the Plug-In require only one single DSP to run, allowing a total of up to 8 CLASSIC VERBs on a single POWERCORE – still leaving room for some other Plug-Ins like EQs and Compressor Limiters. And of course, 24/96 is supported.

Enjoy!

The TC WORKS Team

ATTENTION!

THIS IS A POWERCORE PLUG-IN AND REQUIRES POWERCORE TO BE INSTALLED IN THE COMPUTER! THIS PLUG-IN WILL NOT RUN WITHOUT POWERCORE.

GETTING STARTED

SYSTEM REQUIREMENTS

Windows

- POWERCORE running system 1.6 or later
- Windows 98SE, ME, 2000 or XP
- PIII 500 or faster
- 128 MB RAM
- VST compatible Host Application
- System must meet requirements of the Host Application

Mac OS

- POWERCORE running system 1.6 or later
- MacOS 9.04 or higher (Mac OS X when available)
- G3/300 or faster
- 128 MB RAM
- VST or MAS compatible Host Application
- System must meet requirements of the Host Application

GENERAL

GLOBAL CONTROLS

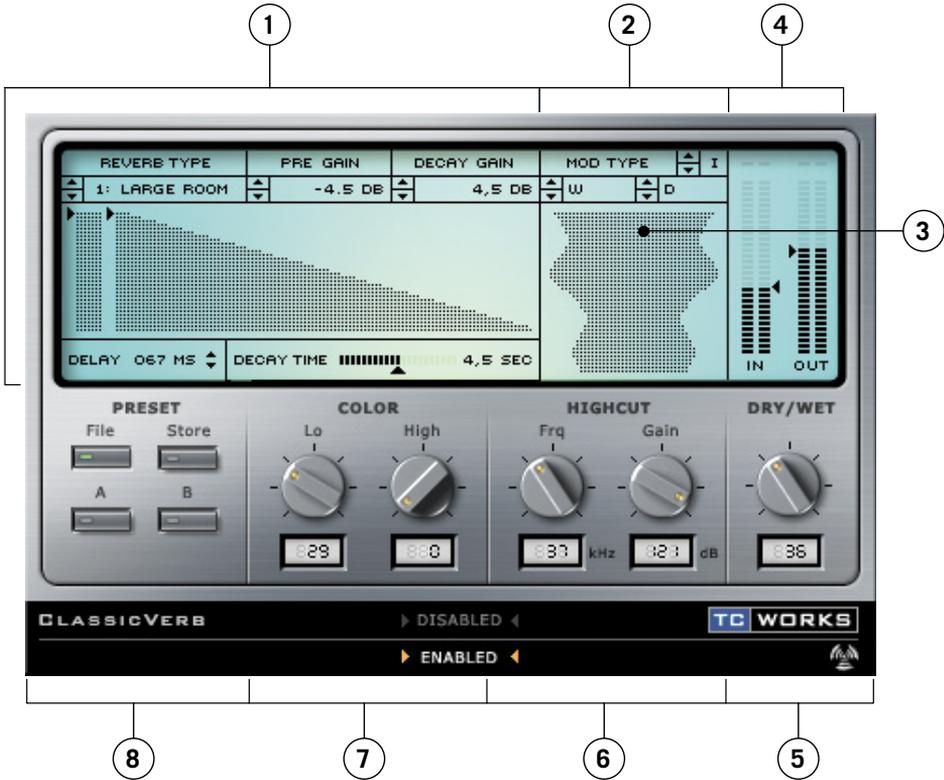
- To enter a numeric value in any CLASSIC VERB control, double-click on a parameter's value field and a pop-up field for numeric entry will appear. Confirm the edited value by pressing <ENTER> or cancel the input by pressing <ESC>.
- To reset a control to its default value, press <ALT> and click on the desired control.
- <SHIFT> + clicking a control will behave as a fine tune adjustment.

A / B

The "A / B" function of CLASSIC VERB allow for a quick comparison of two different settings. Select "Store" and then "A" or "B" to save a setting into either the "A" or "B" memory. After setting up both an "A" and a "B" setting, you can simply select either "A" or "B" to immediately compare the two settings.

As these are meant for a quick comparison, these settings are LOST when closing the Plug-In! If you love your preset, we advise you to save it!

OVERVIEW

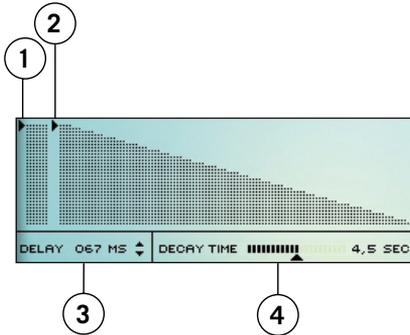


1. Reverb Controls
2. Modulation Controls
3. Active Modulation Display
4. Input / Output Gain and Meter
5. Wet (effected) / Dry (source) Mix
6. Highcut Filter
7. Color
8. Preset Manager

CLASSIC VERB

REVERB CONTROLS

The **Reverb Designer** is an interactive control for your Initial Reflections and Reverb Decay. You can click on the arrows to freely adjust the gain of these parameters. These parameters are also available in more traditional control dialogues.



1. Initial Reflection Pre-Gain
2. Decay Gain (dB)
3. Delay Time (0-200 MS)
4. Reverb Decay Time

Note: Unlike MegaReverb, there is no independent control for the delay time for the Initial Reflections and Reverb Decay.

The **Reverb Controls** can be edited by double clicking into the field and typing the data, or you can use the arrows to scroll parameter values.

REVERB TYPE	PRE GAIN	DECAY GAIN
1: LARGE ROOM	-4,5 DB	4,5 DB

REVERB TYPE

Reverb Type is one of the more important parameters of CLASSIC VERB. By changing the Reverb Type, you will completely change the characteristic sound of the reverb. This will effect such parameters as the Initial Reflections, the Reverb Types, and the Modulation available.

01 Classic Hall	06 Drum Room	11 Plate I*
02 Vocal Studio	07 Cathedral	12 Plate II
03 Vocal Room	08 Ambience	13 Club
04 Vocal Hall*	09 Live Reverb	14 Living Room
05 Drum Box	10 Spring	15 Living Room

***Note:** Room types marked with an asterisk (*) do not have pre-gain! When a room type without a pre-gain is selected, the pre-gain control will disappear.*

PRE GAIN

The Pre-Gain control sets the level of the reverb's Initial Reflections.

DECAY GAIN

The Decay gain control sets the level of the reverb's decay. By minimizing the Decay Gain and increasing the Pre-Gain to maximum, you can create the room impressions without adding "mud" to the mix.

DELAY

The Delay control delays the starting point of the reverb's Initial Reflections and decay. This parameter can be used to change the sense of the size of the room, i.e. to make the room larger, increase the Delay time so that the reverb's decay starts later. The maximum delay time allowed by the algorithm is 200 ms.

DECAY TIME

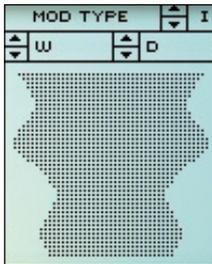
By grabbing the Decay Time controller, you can easily adjust the length of the reverbs decay tail. Longer decay times make the space seem larger, while smaller decay times will make a room sound smaller or boxier.

MODULATION CONTROLS

MODULATION TYPE

Modulation adds a subtle and tasteful amount of animation to the reverb decay creating very rich and sonically complex decays. In addition to being set to "off", there are 3 types of modulation for the decay of the reverb. The modulation types each have different characteristics, and vary by the room type that is selected.

TYPE			
0	I	II	III
Off	Wide	Rich	Deep



WIDTH

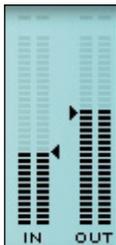
The Width parameter, indicated by "W", controls the width of the modulation. Double click to enter a parameter value or scroll through the width range with the arrows.

DEPTH

The Depth parameter, indicated by "D", controls the depth of the modulation. Double click to enter a parameter value or scroll through the depth range with the arrows.

ACTIVE MODULATION DISPLAY

The modulation display will show the width and depth of the modulation on the reverbs decay. You can edit both the width and depth simultaneously in the display.



IN / OUT METERS

The meters monitor the Input and Output levels in dB and feature a Peak Hold option. The CLIP leds will turn red if signal ever reaches 0dB or greater.

METERING OPTIONS

Our Peak Hold metering is designed to track and hold the peak signals for about 2 seconds. You can move the cursor anywhere in the meter display and click-hold the mouse button to reveal the Display options for Peak Hold.

ACTIVATE PEAK HOLD

Selecting this from the "Display" options will activate the Peak Hold.

DEACTIVATE PEAK HOLD

Selecting this from the "Display" options will deactivate the Peak Hold.

RESET PEAK HOLD

Selecting this from the "Display" options will reset the Peak Hold.

NIGHT VISION

Selecting this from the "Display" options will activate the "Night Vision" lamp, which may be required for those late night mix sessions. ; -)

WET / DRY MIX

This parameter sets the balance between the source signal and the processed signal. At 0%, you will only hear the source, while at 100% you will only hear the signal processed with CLASSIC VERB. When you are using CLASSIC VERB in a send/return configuration, you should set the Mix to 100% to bypass the dry signal.

HIGH CUT FILTER

The input to CLASSIC VERB is processed with a low pass filter which allows you to roll off the high frequencies of your reverb effect. In general, you will want to make your reverb effect a bit darker than the source signal, as it might otherwise sound unnatural or even unpleasant.

FREQUENCY

Sets the cut-off frequency for CLASSIC VERB's input filters. Use this to band-limit the early reflection and decay characteristics of the effect.

GAIN

Defines how much the input to CLASSIC VERB is damped in the high-frequency area. The scale of the filter is 6dB / octave.

COLOR

These parameters change overall tonal characteristic of your reverb preset. With some simple adjustments, the "color" of your reverb can vary from bright and shining to dark and mellow.

LO

The LO color controller affects the low frequency content of the processed signal. By increasing the LO color parameter, you will hear a resulting increase in the low frequency content of the reverb. By contrast, reducing the LO color parameter value will result in a decrease in the low frequency content of the reverb.

HI

The HI color controller affects the high frequency content of the processed signal. By increasing the HI color parameter, you will hear a resulting increase in the high frequency content of the reverb. By contrast, reducing the HI color parameter value will result in a decrease in the high frequency content of the reverb.

Note: If the High Cut filter is activated, boosting the HI color parameter may not have an impact on the overall tonal characteristics of the sound.

Note: Typically, reverbs that are described as "cold" have a high frequency content that is not normally present in most naturally occurring reverbs. To get a "warmer" or more natural reverb, increase the LO color and decrease the high color parameter values. Alternatively, you can use the Highcut filter to further reduce the high frequencies.

PRESET MANAGER

CLASSIC VERB features a comprehensive file based preset architecture that makes archiving presets a breeze. This allows you to organize your presets in a way you find most comfortable for your workflow, and to exchange presets and curves with other users, no matter what platform or application they are using.

Presets are saved as discrete files on your hard drive. Once a preset is saved into the default location, it will automatically appear in the "File" menu every time you use the Plug-In. The files can then be arranged in sub-folders, which will also be recognized by the Plug-In.

FILE

Pressing the "File" button will open up the file menu. The following options are available from the file menu.

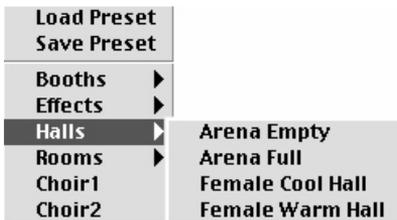
LOAD PRESET

By selecting "Load", you can navigate to any folder on the system, including any "Shared" folder. By default, these will be loaded from the default location for CLASSIC VERB presets.

Only presets located in the default file location will appear in CLASSIC VERB's pop-up preset menu.

SAVE PRESET

By selecting "Save", you can save your preset to any folder on the system, including any shared folder. By default, these will be saved to the default location for CLASSIC VERB presets.



CLASSIC VERB can arrange presets into different sub-folders. These subfolders are sorted into basic reverb types such as Rooms, Halls, etc.

You can delete, re-arrange or create your own folders to accommodate your needs. You could, for example, create preset folders for projects, customers, or by genre.

DEFAULT PRESET LOCATIONS:

The following locations will describe where you can find your CLASSIC VERB presets, which are stored in different folders.

MacOS Classic: files are stored in the System folder.

System Folder: Application Support : TCWorks : POWERCORE: CLASSIC VERB: Presets

MacOS X: files are stored in your user folder.

Users: Your Name: Library: Application Support : TCWorks : POWERCORE : CLASSIC VERB: Presets

Windows: files are stored on the Windows OS Hard Drive.

System Hard Drive:\Program Files\TCWorks\System\Application Support\POWERCORE\CLASSIC VERB \ Presets

- To delete a file, simply move the file to the "Trash" or "Recycle bin".
- To create a new sub-folder that appears in the Plug-In menu, simply create one in the PRESETS sub-folder of the CLASSIC VERB default preset location.

ACCESS PRIVILEGES IN MACOS X

If you want to share your files with another user, it is advised to copy your presets to the "Shared" folder before logging in as another user.

If you save files into the system folder, make sure that you have the appropriate Administrator rights.

Preset sub-folders will not appear in the File Menu unless there is at least one file in that subfolder.