



SILVER

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# 1. Introduction

Thank you for choosing Silver. To get the most out of your new plugin suite, please take the time to read this user manual carefully, to facilitate and ensure a proper understanding of this product.

Silver is a suite of Acqua plug-ins consisting of three FREE players in VST, AU, and AAX formats dedicated to emulating reverbs of physical spaces and sampled equipment.

Silver is an amazing project that has taken a long time to design and develop, and paid off considerably given the incredible results obtained, in fact we have finally given birth to a new generation of cutting-edge reverb plug-ins.

## 1.2. What's the idea behind SILVER

All of us like to use real physical spaces for reverberation because they sound more natural, as it is the way we perceive space in our daily experience.

Unfortunately, physical areas are challenging to manage because of the resonances and slight imperfections, and quite often convolution reverbs also tend to sound static and dimensionless. Through our experience with SIENNA, we have created a revolutionary processor that straddles machine learning, DSP, and artificial intelligence: Silver.

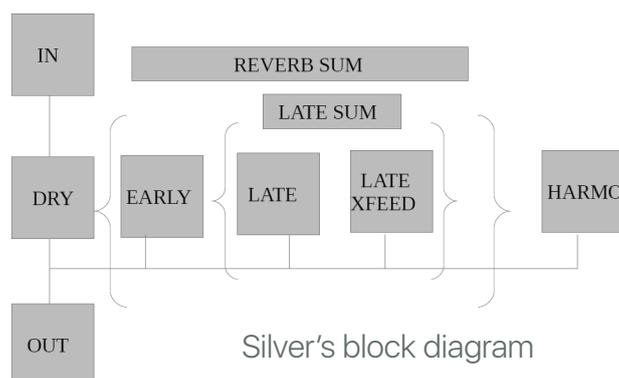
With the Silver suite you can make your audio source sound as if it were being played elsewhere, adding the acoustics of existing physical spaces to your productions.

This project stems from the idea to introduce a state-of-art product to the software market that can stand out from the rest thanks to its unique features to help change the way people use reverbs.

Our aim is to introduce to the software market a product of the highest quality that is unique from the rest, helping to breathe new life into the approach of sampling physical spaces by exploiting a proprietary technology capable of producing reverbs of the highest quality and fidelity. SILVER corrects each reflection, leading to micro-equalization resulting in a defect-free version of the entire reverb tail, making the sound much more natural.

We believe we have achieved this! The Silver suite recreates the listening experience of theatres, rooms, churches, recording studios and other real-world environments and spaces, so welcome to the highest quality reverberations based on dynamic convolution by Acustica Audio.

Here you can find a simplified version of the Block Scheme of the plugin:



Silver Volume A includes 77 physical spaces from many different locations that we carefully measured and profiled for a total of more than 120 different emulations divided in several categories:

Other Additional Volumes/packages will be released in the near future.

Keep an eye on this suite! You will be able to choose from many reverb emulations available in the Silver - "Additional Volumes" including rooms, churches, domestic spaces, studios and more.

NOTE: For further details about the Volumes and their emulations please consult Chapter 6 (Appendix) of this document.

To stay constantly updated on new releases, we recommend you to keep an eye on the following product page:

**<https://www.acustica-audio.com/store/t/acqua/fx/reverb>**



# 2. SILVER Suite

## 2.1. Overview

Silver consists of:

**1- Silver;** the main FREE player (standard version) featuring fine-tuning controls, LP and HP filters plus a 3 band Eq applied to the reverberated signal source. It contains by default four different emulated physical spaces.

**2- Silver Mini;** a 'mini' FREE version of the Silver player which includes the same features as Silver except the mid-band EQ is absent and the display is smaller than the main version.

**3- Silver Lite;** an alternative FREE version of the player, that includes the same features of Silver but it does not include the LP and HP filters and the 3 band Eq.



## 2.2. Product download, installation, and authorization

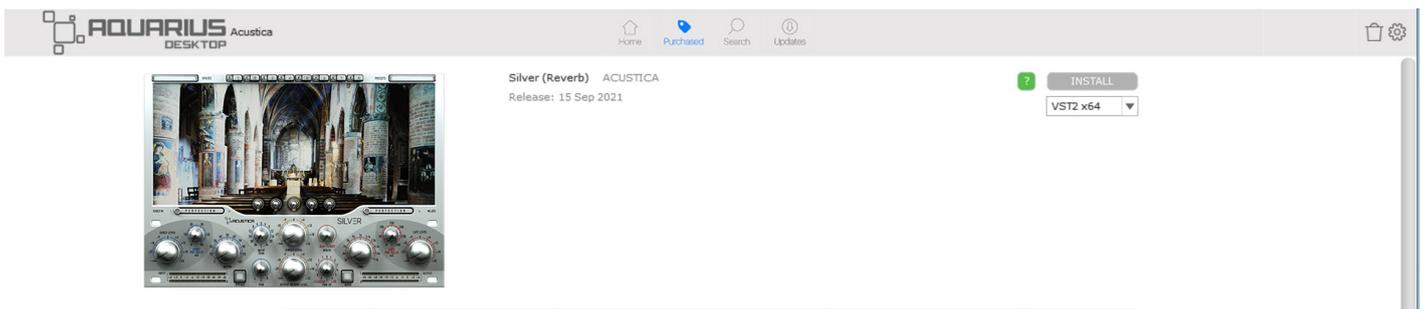
Silver, and all Acustica Audio products, can be downloaded, installed, and authorized using the Aquarius application. The Aquarius application is a free standalone application that will manage the downloading, installation, and authorization of your product in an automatic way without user intervention. To learn more about the Aquarius application, read the user's PDF manual included in the installer. Please, make sure the Aquarius application is always updated to the latest version available.

In the Aquarius application, Silver comes in the form of a single item that includes Silver (Reverb) and Silver (Reverb) (Reverb)

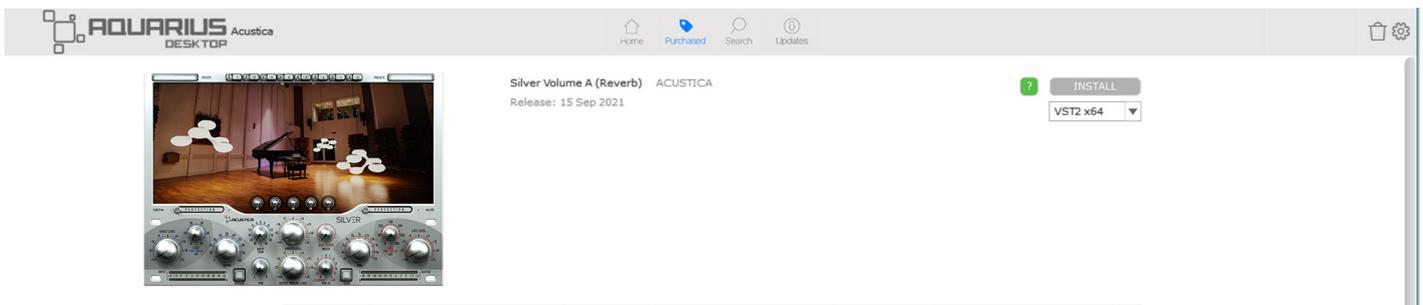
### IMPORTANT:

In order to install Silver - Additional Volumes correctly it is mandatory to download the Silver (Reverb) first.

- Log-in to the Aquarius application using your username email and your password.
- Click on the purchased page, and scroll down until you find Silver (Reverb)
- Select the correct plug-in format for the installation from the drop-down menu.
- The Aquarius application will download, install, and authorize the commercial product automatically.



- Click on the purchased page, and scroll down until you find Silver Volume 'X\*' (Channel strip).



- Click on the install button.
- Select the correct plug-in format for the installation from the drop-down menu.
- The Aquarius application will download, install, and authorize the commercial product automatically.

**AQUARIUS** Acustica  
DESKTOP

Home Purchased Search Updates

### Silver Volume A

Silver Volume A includes 70 physical spaces from many different locations for a total of more than 120 different emulations divided in several categories.

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[Silver Volume A User's Manual](#)

**Information**

Category: **Acqua**  
 Release date: **15 Sep 2021**  
 Release: **A017**  
 Size: **7293 MB**  
 Developer: **ACUSTICA**

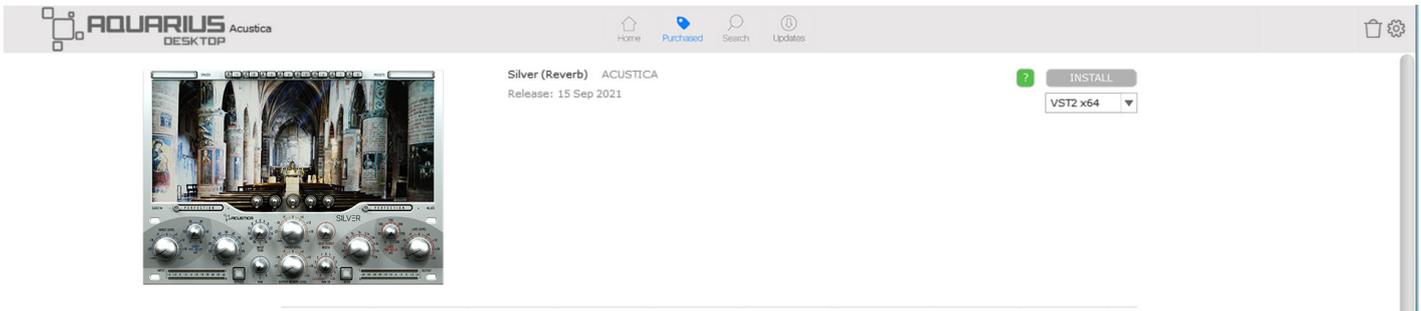
- Repeat the operation for the libraries you wish to install.

\*->conventional alphabetic letter, example that identifies any letter of the corresponding Silver commercial library/additional Volume.

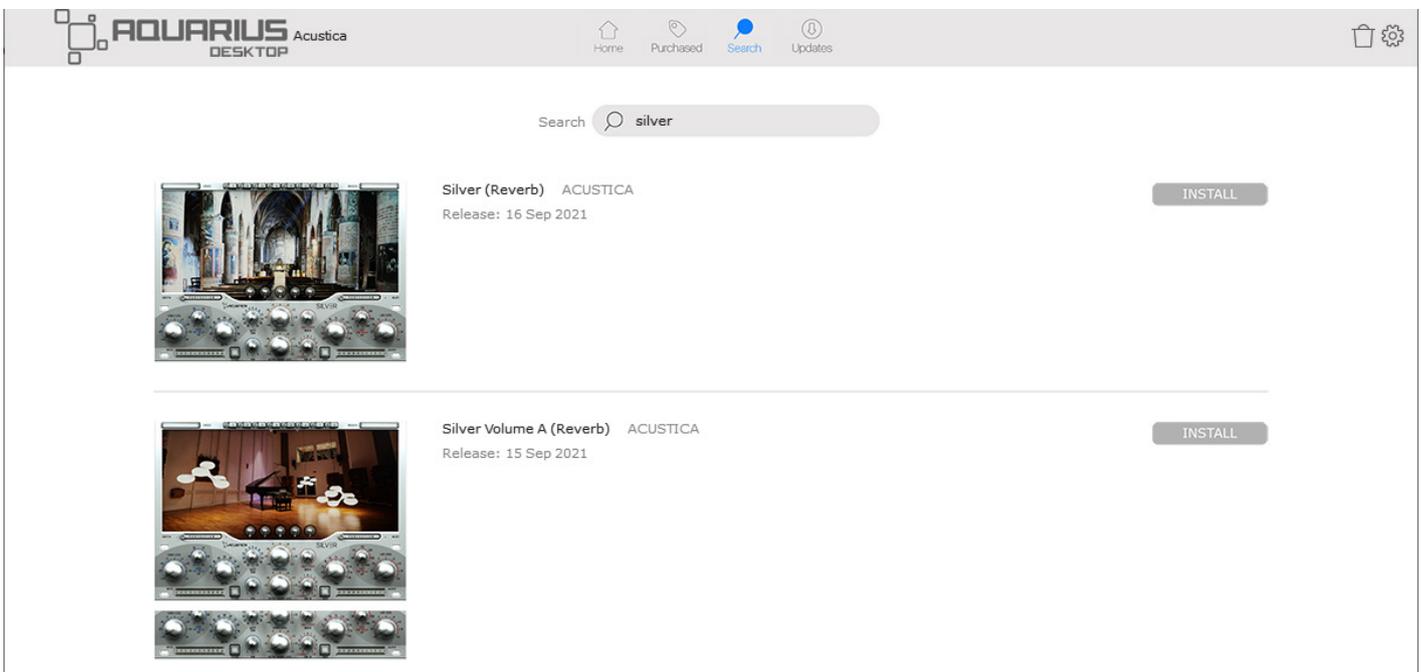
**IMPORTANT:**

In order to install Silver - Additional Volumes TRIAL correctly it is mandatory to download the Silver (Reverb) first.

- Log-in to the Aquarius application using your username email and your password.
- Click on the purchased page, and scroll down until you find Silver (Reverb)
- Select the correct plug-in format for the installation from the drop-down menu.
- The Aquarius application will download, install, and authorize the commercial product automatically.



- Type the product name in the 'search' field inside Aquarius to find the '(trial)' version of the Additional Volume, then click on the thumbnail or on the 'Install' button. This will take you to the product page (the trial version of a product is also visible in the 'related products' section on the right).



- Select the right plugin format according to the DAW you are using and click 'Install'.
- Aquarius will download, install, and authorise the Silver Volume 'X\*' (Reverb) automatically.
- Run your DAW. You're set!



### Silver

Silver is a suite of Acqua plug-ins consisting of three FREE players available in the following formats: VST, VST3, AAX, and AU and dedicated to emulating reverbs of physical spaces and sampled equipment.

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#### Information

Category: Acqua  
Release date: 16 Sep 2021  
Release: A033  
Size: 315 MB  
Developer: ACUSTICA

INSTALL

VST2 x64 ▼



\*->conventional alphabetic letter, example that identifies any letter of the corresponding Silver commercial library/additional Volume-Trials.

## 2.3. How to convert the SILVER trial into the Silver commercial product.

Silver trial products: Silver Volume X\*- Trial (Reverb) can be converted to commercial products by installing the commercial version of the relative Volume after purchasing the product in our webshop. Your old sessions created with the trial version will continue working with the commercial version providing a smoother conversion from trial to the commercial product, and a better user experience. Please, be careful, remember trial products expire after 30 days after the trial authorization.

\*->conventional alphabetic letter, example that identifies any letter of the corresponding Silver commercial library/additional Volume-Trials.

## 2.4. System Requirements

Modern computers are powerful enough to run many plugins at once. However, our technology requires more resources than algorithm-based software. Please, consider optimizing your system to work with high CPU loads and low audio latency.

**All technical specifications of Acustica Audio products provided are intended to be estimates or approximations. Due to numerous variables, no guarantees of compatibility or performance can be made. The end-user is solely responsible for, prior to purchase, ensuring that the end-user's devices are compatible and meet the system requirements for Acustica Audio products.**

	PC Windows		Apple macOS	
	MINIMUM	RECOMMENDED	MINIMUM	RECOMMENDED
<b>OPERATING SYSTEM</b>	Windows 10 64 bits <sup>(1) (9)</sup>	Windows 10 64 bits <sup>(1) (9)</sup>	macOS 10.13 <sup>(1) (9)</sup>	macOS 10.15 <sup>(1) (9)</sup>
<b>CPU</b>	Intel i5 Broadwell 3.1 GHz <sup>(2) (8)</sup>	Intel i9 Coffee Lake 3.5 GHz <sup>(2) (8)</sup>	Intel i5 Broadwell 3.1 GHz <sup>(2) (8)</sup>	Intel i9 Coffee Lake 3.5 GHz <sup>(2) (8)</sup>
<b>RAM</b>	4 GB of RAM <sup>(3)</sup>	64 GB of RAM <sup>(3)</sup>	4 GB of RAM <sup>(3)</sup>	64 GB of RAM <sup>(3)</sup>
<b>SSD</b>	It depends on the product <sup>(4)</sup>	It depends on the product <sup>(4)</sup>	It depends on the product <sup>(4)</sup>	It depends on the product <sup>(4)</sup>
<b>SCREEN RESOLUTION</b>	FHD (1920x1080)	UHD (3840x2160)	FHD (1920x1080)	UHD (3840x2160)
<b>PLUG-IN FORMAT</b>	VST & AAX	VST & AAX	VST, AAX & AU	VST, AAX & AU
<b>PLUG-IN ARCHITECTURE</b>	64-bits		64-bits	
<b>TRIAL / DEMO</b>	30 Days <sup>(5)</sup>		30 Days <sup>(5)</sup>	
<b>SUPPORTED DAW / NLE</b>	Cubase 64-bits & Pro Tools 64-bits <sup>(6)</sup>		Cubase 64-bits & Pro Tools 64-bits & Logic Pro X 64-bits <sup>(6)</sup>	
<b>AQUARIUS APPLICATION</b>	YES & Mandatory		YES & Mandatory	
<b>INTERNET CONNECTION</b>	YES & Mandatory <sup>(7)</sup>		YES & Mandatory <sup>(7)</sup>	

(1) Case sensitive file systems are not supported.

(2) Intel i7/i9 X and Xeon processors need CORE 16 or superior. The CPU speed is more important than the number of CPU cores.

(3) In order to run more plug-ins instances it is always necessary to increase the amount of RAM.

(4) Each format needs three times more space than what the product is in order to download and decompress the installation files.

(5) Trial settings cannot be transferred from the trial to the commercial version.

(6) For others DAWs or NLEs, try trial before buy

(7) TCP/UDP ports 8080 and 443 should be open. Reliable and fast internet connection is recommended

(8) For Apple Silicon (ARM) computers, check compatibility before purchasing. AMD processors are not officially supported.

(9) For other operating systems, check compatibility before purchasing using the trial version.

**IMPORTANT: Genuine Apple device with a valid serial number or valid volume ID on Windows operating systems is mandatory.**

**IMPORTANT: It is highly recommended to make a complete backup before making changes to your computer systems.**

**IMPORTANT: Acustica Audio cannot be held responsible for any loss or damage arising directly or indirectly from any error or omission in this manual.**

# 3. Operation

Before we dive into explaining each of the plugin's controls, we need to make a point about the nature of this new Acqua Plugin suite.

We have carefully sampled a wide variety of physical spaces that you will be able to use with hopefully great satisfaction.

There will be a multitude of environments brought together in various 'Additional' Volumes. These will be explained at length in the relevant manuals, so in this document you will find the descriptions of each player/plugin in the suite and the four emulations contained in this basic package.

## 3.1. SILVER

In its simplest configuration, Silver enables you to:

1. Select a Space model.
3. Save and reload your favorite user settings (8 user banks available).
4. Use the available PRESETS.
5. Use the default controls

In the basic mode, you already have everything you need to use properly manipulate the reverb emulations, but for an extremely advanced experience, you can engage the 'Guru' Mode. It is the ultimate set of controls that let you shape your reverb as you please, for a truly bespoke, all-encompassing listening experience that adapts to your unique needs.

The player starts in basic mode, which looks like this:



While the Guru mode looks like this:



## 3.1.1. SILVER controls

Let's take a look at all controls of this plugin ('Guru' Mode engaged)



**1. Spaces:** Use the drop-down menu to select the emulation.

NOTE: The entire Silver plugins suite by default includes the following emulations:

- Chiesa di San Francesco (Far)
- Chiesa di San Camillo (Far)
- Studio Sonoria (Far)
- Teatro Belloni (Far)

More details in the Appendix (Chapter 6)

## **2. User Banks - Save/Load (1>8):** 8 slots for user saving of presets.

Silver (standard version) includes 8 different slots for you to save and reload your favorite bank configurations. First, set your controls as desired, at this point simply press the first available save icon (📁). To recall the settings simply press the 'numeric' button associated with the save icon you used (1/2/3/4).

IMPORTANT: If you save a configuration using the user banks, the settings will be stored as files on your computer and will therefore not be lost. So by opening your plugin in any Daw you can recall the banks as you like.

### **SILVER - User banks paths:**

OSX: ~/Library/Application Support/Acustica

WIN: C:\Users\%username%\AppData\Roaming\Acustica

Names of the User banks files:

SILVERACUSERPRESET1.N2X

SILVERACUSERPRESET2.N2X

SILVERACUSERPRESET3.N2X

SILVERACUSERPRESET4.N2X

SILVERACUSERPRESET5.N2X

SILVERACUSERPRESET6.N2X

SILVERACUSERPRESET7.N2X

SILVERACUSERPRESET8.N2X

### **SILVER MINI - User banks paths:**

OSX: ~/Library/Application Support/Acustica

WIN: C:\Users\%username%\AppData\Roaming\Acustica

Names of the User banks files:

SILVERMINIPRESET1.N2X

SILVERMINIPRESET2.N2X

SILVERMINIPRESET3.N2X

SILVERMINIPRESET4.N2X

SILVERMINIPRESET5.N2X

SILVERMINIPRESET6.N2X

SILVERMINIPRESET7.N2X

SILVERMINIPRESET8.N2X

### **SILVER LITE - User banks paths:**

OSX: ~/Library/Application Support/Acustica

WIN: C:\Users\%username%\AppData\Roaming\Acustica

Names of the User banks files:

SILVERUSERPRESET1.N2X

SILVERUSERPRESET2.N2X

SILVERUSERPRESET3.N2X

SILVERUSERPRESET4.N2X

SILVERUSERPRESET5.N2X

SILVERUSERPRESET6.N2X

SILVERUSERPRESET7.N2X

SILVERUSERPRESET8.N2X

**3. Presets:** Use the Drop-down menu for loading Room presets.

**4. Early Perfection:** A Slider to control the amount of linearization applied to the IR of the early reflections (left is the original sampling, right is the linearized version)

**5. Late Perfection:** A Slider to control the amount of linearization applied to the IR of late reflections (to the left is the original sampling, to the right is the linearization version)

**6. Early reflections pre-delay:** The amount of pre-delay applied to early reflections from 0 to 50ms

**7. Input Trim:** Applied to the early reflections (sampled at various dynamic levels) and to the harmonic content\* of the reverb

NOTE: this characteristic may vary according to the type of reverberation sampled, so for example if gear is sampled we will report any different behaviour of this control.

**8. Direct Level:** Dry signal level (from minus inf on the left to 24dB on the right)

**9. Width:** The amount of pre-delay applied to the crossfeed (late reflections) **14. Late Level:** The late reflections gain level

**10. Late Reflections pre-delay:** The amount of pre-delay applied to late reflections from 0 to 300ms

**11. Early Level:** The gain of early reflections

**12. Depth:** Spread (increase of side, with fixed mid) applied to reverb

**13. Time:** Time stretch of late reflections from 0.5x to 1.5x.

NOTE: The labels on the knob crown indicate a 'multiplier' value so the final reverb time should take into account the starting reverb time multiplied by the knob label setting.

**15. Bypass button:** Bypass the reverberated part (Direct Level continues to function to adjust the volume of the dry signal)

**16. Pan:** This knob controls the left/right signal level and affects the stereo image.

**17. Output Reverb Level:** The gain of the early + late reflections sum

**18. Pan 3D:** Gain of the crossfeed part of the late reflections

**19. Guru button:** By pressing this button it is possible to reveal the additional controls of 'Guru' mode.

**20. Input meters (L-R):** This meter displays the Input input level of the plug-in. Range: -60dB to +6dB.

**21. Output meters (L-R):** This meter displays the output level of the plug-in. Range: -60dB to +6dB.

**22. Display:** this shows the selected emulations. NOTE: In 'SILVER MINI' the display is smaller than the 'SILVER' and 'SILVER LITE' version.

**23. High Pass Filter:** The Frequency range (Hz) is from 40 to 1100, Off (the first knob step by-passes the HP filter).

**24. Low Pass Filter:** The is from 25k to 800, Off (the first knob step by-passes the LP filter).

**25-26-27 LF-MF-HF:** gain controls of the 3 band Eq (Frequencies fixed) applied to the reverberated signal source.

NOTE: 'SILVER LITE' doesn't included these controls; 'SILVER MINI' doesn't included the MF band of the EQ.

# 4. Contents

## 4.1. Technical Support

Technical support is exclusively provided via our dedicated 'Fresh desk' platform. Please visit our website to learn more.

## 4.2. Copyrights and Credits

We are constantly improving our products and adding new features. On-going issues, bugs, and rare crashes can still be possible. If you are experiencing problems with your product, please head over to our website and visit the dedicated knowledge base section. Many answers have already been answered, and ready-to-use solutions can be found there.



# 5. Presets

Silver includes Presets.

By clicking on the 'Presets' drop-down menu on the plugin GUI you can select a preset from the displayed list, each of which is divided into categories according to the type and length of reverb. Below is a summarized table:

<b>PRESET CATEGORY</b>	<b>IR</b>
Large Hall	Chiesa di San Camillo, Chiesa di San Francesco
Small Chamber	Teatro Belloni, Sonoria Studio

NOTE: More emulations and thus Additional PRESETS are available by adding the extra Silver - Volume A or Silver - Volume A - trial libraries

# 6. Appendix

## 6.1. SILVER volumes

The Silver suite is composed of three different FREE players and it is equipped by default with the following reverbs emulations\*:

- Chiesa di San Francesco (Far)
- Chiesa di San Camillo (Far)
- Studio Sonoria (Far)
- Teatro Belloni (Far)

\*Details in the 6.2 Chapter.

Additional commercial libraries are available in several 'Volumes' on our store:

**<https://www.acustica-audio.com/store/marketplace>**

For more info about the content and details of each additional bank/library please consult the Operating manuals of each Volume available at the following page:

**<https://www.acustica-audio.com/pages/acqua-manuals>**

## 6.2. SILVER – Default Reverb emulations

Sienna by default includes the following emulations:

### Chiesa di San Francesco

Category: Religious

Presets: [Large Hall] Chiesa di San Francesco

Located: Lodi - Italy

#### Description

The church of San Francesco, dating back to the end of the 13th century, is the most original sacred building in the city of Lodi (Italy). Its main peculiarity is represented by the two "open" mullioned windows on the façade, which represent the first example of a model that spread throughout northern Italy between the 14th and 15th centuries.



## Chiesa di San Camillo

Category: Religious

Presets: [Large Hall] Chiesa di San Camillo

Located: Spoltore – Pescara - Italy

### Description

The church of San Camillo De Lellis is located in the hamlet of Villa Raspa di Spoltore in the province of Pescara in Abruzzo (Italy). and was built in 1976 to a design by architect Lino Sarra. The interior is a single rectangular hall with a roof that bends at the corners, cutting them off and turning the profile into an irregular octagon.



## Studio Sonoria

Category: Studio & Scoring

Presets: [Small Chamber] Studio Sonoria

Located: Prato - Italy

### Description

Sonoria is an incredible studio owned by producer, composer, and mixing engineer Andrea Benassai. Calling it spectacular would be an understatement. It features an exceptional room for recording classical music and orchestras. All interiors are designed to allow natural light to spread into and across the rooms through large, elegant skylights. Wood, chestnut beams, Tuscan terracotta, and river rock dating back to the late 1800s make this incredible environment feel cozy and exceptionally warm.



# Teatro Belloni

Category: Opera & Theatre

Preset: [Small Chamber] Teatro Belloni

Located: Barlassina – Monza e Brianza – Italy

## Description

The uniqueness of the Belloni Theater, in addition to being the smallest Opera House in the world, is given by the very happy combination of history, art, tradition and modernity in a skillful combination of artisan techniques and cutting-edge technical solutions.

The plan of the theater is rectangular, as many Court Theaters.

The choice of certain elements and materials: for example, the very elegant stucco sails adorning the walls of the hall and a foyer entirely covered in fine wood, make for a very interesting acoustics so the resulting reverb is very distinct.



