



User Manual
Volume D



Sienna (Volume D) is an additional Volume for Sienna (Volume A).

It is mandatory that Sienna (Volume A) is installed on your computer for this additional pack to be used.

About Sienna

Sienna is an Acqua plug-in suite in VST, AU, AAX formats. It represents an ambitious project that took a lot of time in design and development, but that time, which we willingly spent, has repaid us considerably given the incredible results achieved, which will completely change the way people mix on the go.

The outcome of this effort is one of the most extensive and rich plugins that Acustica has ever created.

It recreates the same listening experience as if you were mixing in top-tier studios, mastering in audiophile-grade rooms, or playing back your tracks on HI-FI systems, car stereos, boomboxes, and more, all through your headphones.

Please consult the following manuals for more info:

Sienna Rooms - Reference manual

<https://app.box.com/s/ef54na9yt5jfkchbfsxpm9bnec69mct6>

Sienna Guru

<https://app.box.com/s/jogjshpefy45cvb94y6r6qfklmbx1xlp>

What you get – Volume D Package content

Sienna Volume D includes the following emulations:

- **6** rooms
- **11** studio monitor speaker sets emulations

System Requirements

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
OPERATING SYSTEM	Windows 10 64 bits ^{(1) (9)}	Windows 10 64 bits ^{(1) (9)}	macOS 10.13 ^{(1) (9)}	macOS 10.14 ^{(1) (9)}
CPU	Intel i5 Broadwell 3.1 GHz ^{(2) (8)}	Intel i9 Coffee Lake 3.5 GHz ^{(2) (8)}	Intel i5 Broadwell 3.1 GHz ^{(2) (8)}	Intel i9 Coffee Lake 3.5 GHz ^{(2) (8)}
RAM	4 GB of RAM ⁽³⁾	64 GB of RAM ⁽³⁾	4 GB of RAM ⁽³⁾	64 GB of RAM ⁽³⁾
SSD	It depends on the product ⁽⁴⁾	It depends on the product ⁽⁴⁾	It depends on the product ⁽⁴⁾	It depends on the product ⁽⁴⁾
SCREEN RESOLUTION	FHD (1920x1080)	UHD (3840x2160)	FHD (1920x1080)	UHD (3840x2160)
PLUG-IN FORMAT	VST & AAX	VST & AAX	VST, AAX & AU	VST, AAX & AU
PLUG-IN ARCHITECTURE	64-bits		64-bits	
TRIAL / DEMO	30 Days ⁽⁵⁾		30 Days ⁽⁵⁾	
SUPPORTED DAW / NLE	Cubase 64-bits & Pro Tools 64-bits ⁽⁶⁾		Cubase 64-bits & Pro Tools 64-bits & Logic Pro X 64-bits ⁽⁶⁾	
AQUARIUS APPLICATION	YES & Mandatory		YES & Mandatory	
INTERNET CONNECTION	YES & Mandatory ⁽⁷⁾		YES & Mandatory ⁽⁷⁾	

(1) Case sensitive file systems are not supported.

(2) AMD and ARM processors are not officially supported. Intel i7/i9 X and Xeon processors must use CORE 16. 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.

Details

• D01 Studio: Spitfire Mastering

Spitfire Mastering is sound engineer and Acustica collaborator Marco Vannucci's studio. Located in Pescara, Italy, Spitfire Mastering has a surface of 550 square feet specifically designed by Dario Paini for high-end audio mastering purposes. It boasts a flat frequency response, achieved via a combination of room structure, bass traps, resonators, sound diffusers, absorbers, full floating floor, and more.

This room includes the following emulations:

1. [D01 Studio: Spitfire] DIADEM2 (Sub): An emulation of a 3 Way Midfield Passive Studio Monitors. Frequency Response (+/- 3 dB): 34 Hz - 20 kHz - Peak SPL 1m, pair (IEC Short Term): > 130 dB peak - Peak SPL 2m, 5.1 (IEC Short Term): > 131.5 dB peak - Crossover Frequencies: 900/4500 Hz - Crossover Slope: Woofer 12 dB/oct; Midrange 12 dB/oct; Tweeter 18 dB/oct. Plus a powered sub-woofer in sealed enclosure. Drive-units: two 12" long-throw Rohacell-cone woofers, each with 3.66" voice-coil and 11-lb magnet. Frequency response: 17-145Hz, ± 3 dB. Passband of automatic room compensation: not stated. Low-pass filter: 40-120Hz (adjustable), slope, phase. High-pass filter: no option. Total harmonic distortion: not specified. Amplifier: 1000W RMS. Rated power consumption: 300W. Input impedance: 15k ohms.

2. [D01 Studio: Spitfire] GIENAH1029 : An emulation of a a powerful bi-amplified nearfield monitor system. The monitor has a very rugged cast aluminium construction and magnetic stray field shielding as default for every single unit. The vented speaker enclosure contains an amplification unit, which includes an active electronic crossover, overload protection circuitry and two power amplifiers, one for each driver. Frequency Response 70 - 18000 Hz - Signal-To-Noise Ratio 90 dB - Output Level (SPL) 100 dB - Crossover Frequency 3300Hz.



DIADEM2



GIENAH1029

• D02 Studio: Alari Park

Alari Park Studios is one of the largest recording studios in Italy, founded in 2003 as a high-level facility for international artists and record labels. The studio is located in Cernusco Sul Naviglio, a few kilometers from Milan. It is spread over two floors and includes a recording studio (studio A) and a video post-production and audio pre-production studio (studio B).

This room includes the following emulations:

1. [D02 Studio: Alari Park] DIADEMAIR15: An emulation of a two-way active nearfield monitor with 10" woofer and 1.1 soft dome tweeter - Frequency response (+/- 3dB): 33Hz - 22kHz - Peak SPL 1m, pair (IEC short term): > 128dB peak - Peak SPL 2m, 5.1 (IEC short term): > 126dB peak (no LFE) - Max SPL 1m, (IEC long term): 103dB RMS

2. [D02 Studio: Alari Park] GIENAH1039 : An emulation of a powerful, 3-way active reference main monitor system for soffit or in-wall-mounted installation with dual 15" drivers, 5" proprietary midrange driver, and 1" metal dome tweeter. The cabinet low frequency -3dB point is at 29 Hz and the bass response extends down to 25 Hz. The high frequency response extends up to 22kHz (-3dB) .

3. [D02 Studio: Alari Park] JISHUI2000 : An Ultra Micro Component HI-FI Speakers System

4. [D02 Studio: Alari Park] NAOS10: An emulation of probably the most famous and popular speakers in recording industry, the second set of speakers in Alari Park. This model is a 8-ohm two-way loudspeaker with a 10.4-litre sealed cabinet measuring 382 x 215 x 199 millimetres (15.0 x 8.5 x 7.8 in) and weighing 6 kilograms (13.2 lb). The frequency range is from 60 Hz to 20 kHz, and rated power handling is 25-50 W.

5. [D02 Studio: Alari Park] RASALAS90: An emulation of a speaker system made in Italy that represents the highest form of compact portable audio monitoring of this manufacturer.

Thanks to a low mass 4" full-range driver, a 1" true ribbon tweeter and a specially designed power amp pack, the R02A maintains a top level performance in every environment at any listening SPL.



ALARI PARK

• D03 Studio: Pinaxa Studio

Pinaxa Studio is the result of years of research and development. It was designed by Dario Paini and began operating in 2007. It is one of Italy's most important studios and it is where renowned sound engineer Pino 'Pinaxa' Pischetola, shapes the sound of Alice, Franco Battiato, Eros Ramazzotti, Baustelle, Claudio Baglioni, Bugo, Bluvertigo, Brunori SAS, Adriano Celentano, Carmen Consoli, Cesare Cremonini, Elodie, Tiziano Ferro, Levante, Lorenzo Jovanotti, Achille Lauro, Ligabue, Litfiba, Mahmood, Marracash, Gianni Morandi, Gianna Nannini, Negramaro, Robert Palmer, Max Pezzali, Salmo, Le Vibrazioni, Renato Zero, Nina Zilli, Zucchero and many more.

This room includes the following emulations:

1. [D03 Studio: Pinaxa] DIADEM3: An emulation of a 3-Way Passive Main Studio Professional Monitor System - Frequency Response (+/- 3 dB): 30 Hz - 20 kHz - Peak SPL 1m, pair (IEC Short Term): > 129 dB peak - Peak SPL 2m, 5.1 (IEC Short Term): > 130.5 dB peak - Crossover Frequencies: 600/3700 Hz - Crossover Slope: Woofer 12 dB/oct; Midrange 12 dB/oct; Tweeter 18 dB/oct.
2. [D03 Studio: Pinaxa] SUN281 (Sub): An emulation of a Two-way high-end passive Nearfield Studio Monitor featuring an 18cm aluminium woofer, and a 2.5cm titanium tweeter that provide very clear definition and even frequency response, even at low listening levels. - Frequency response of 39 Hz — 20 kHz (± 3 dB).



PINAXA STUDIO

• D04 Studio: The Shelter Studio

The Shelter Recording Studio is a recording facility in Meda, near Milan. Founded in 2019, it boasts very high-quality acoustics and incredibly natural-sounding rooms designed by Alessandro Pasini for Marco Tovaglieri.

This room includes the following emulations:

1. [D04 Studio: The Shelter Studio] RASALAS10: An emulation of a three-way speaker System made in Italy that combines a full-size main monitor, in a small and customizable cabinet which allows it to fit perfectly into most acoustical environments, whilst maintaining a high-SPL capacity. Cabinet type: three-way sealed, D'Appolito acoustic principle - Driver Size: woofer dual 10", mid 6,5", tweeter 3" - Frequency response: 25Hz to 20kHz @ -1dB (room compatible) - 90dB/2,83V sensitivity - Amplifier: Taylor-Made 5U amplifier. Amplifier Gain: 26dB Fixed, max input level +24dBuMax SPL (full-range signal, non-wighted, half space): 120dB rms -Crossover point: 250Hz & 4.5kHz.



THE SHELTER STUDIO

• D05 Studio: Marco Borsatti Sound

Marco Borsatti Sound is the den of engineer and producer of Marco Borsatti. It is one of Italy's best recording studios, where top-charting artists have recorded and mixed their music, including Grammy® artist Laura Pausini.

The studio was designed by Chris Clifford and features truly outstanding acoustics. Capping it all off is an impressive collection of juicy outboard gear towering over the visitors.

This room includes the following emulations:

1. [D05 Studio: Marco Borsatti Sound] NAOS10: An emulation of probably the most famous and popular speakers in recording industry, the second set of speakers of the Marco Borsatti Sound Studio (the same speaker was also sampled in another room - [B02 Studio: Fonoprint] NAOS10). This model is a 8-ohm two-way loudspeaker with a 10.4-litre sealed cabinet measuring 382 × 215 × 199 millimetres (15.0 × 8.5 × 7.8 in) and weighing 6 kilograms (13.2 lb). The frequency range is quoted from 60 Hz to 20 kHz, and rated power handling is 25–50 W.



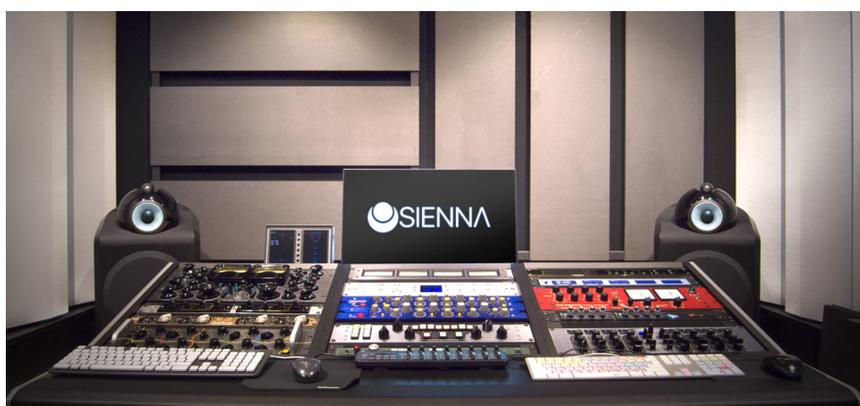
MARCO BORSATTI SOUND

• D06 Studio: Energy Mastering

- Energy Mastering is one of Italy's leading mastering studios. It is the result of Pietro Caramelli and Claudio Giussani's long experience as 'soundsmiths' at their historical studio, Nautilus Mastering in Milan.

This room includes the following emulations:

1. [D06 Studio: Energy] SIRIO801: An emulation of a Three-way, reflex-loaded, floorstanding loudspeaker. Drive-units: 1" (26mm) metal-dome tweeter, 5" (126mm) Kevlar-cone midrange unit, 12" (300mm) high-power polymer-cone woofer. Crossover frequencies: 380Hz and 3kHz. Frequency response: 20Hz-20kHz \pm 2dB free-field. Sensitivity: 87dB/W/m. Nominal impedance: 8 ohms (not falling below 4 ohms). Amplifier requirements: 50-600W.



ENERGY MASTERING

Copyrights and Credits

All names, product names, logos and brands displayed on this document are the property of their respective owners.

The content included in this manual such as graphics, icons, images, is the exclusive property of Acusticaudio s.r.l. Or its content suppliers, and is protected by international copyright laws.

The information contained on our website may not be downloaded, modified, distributed, uploaded, or otherwise used without the express written consent of Acusticaudio S.r.l.

Acustica Audio is a trademark of Acusticaudio s.r.l.

