



User Manual
Volume B



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

It is mandatory that Sienna (Volume A) is installed on your computer for the 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.

Sienna Website Page

<https://www.sienna.studio/>

Sienna Webpage (Volume A)

<https://www.acustica-audio.com/store/products/siennavolumea>

Please consult Sienna (Volume A) 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 B Package content

Sienna Volume B includes the following emulations:

- 6 studios
- 12 studio monitor speakers.

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

• B01 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. [B01 Studio: Spitfire] SIRIO800 (Sub): An emulation of a Three-way, vented-box, floorstanding loudspeaker. Drive-units: 1" (25mm) diamond-dome tweeter, 6" (160mm) woven-Kevlar FST-cone mid-range unit, two 10" (250mm) Rohacell-cone woofers. Crossover frequencies: 350Hz, 4kHz. Manufacturer's specifications: Frequency range: -6dB at 25Hz and 33kHz. Frequency response: 32Hz-28kHz, ±3dB on reference axis. Dispersion: within 2dB of on-axis response over 60° (horizontal) and 10° (vertical) arcs. Sensitivity: 90dB SPL (2.83V/m). Harmonic distortion (second and third harmonics, 90dB, 1m): <1.0%, 45Hz-100kHz; <0.5%, 80Hz-100kHz. Plus a powered subwoofer 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, ±3dB. 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. [B01 Studio: Spitfire] ALDEBARAN: An emulation of a famous loudspeaker with a long and noble history in music recording. Its little six-inch wide cabinet and single small driver cone can often be seen perched atop the console meterbridge in pictures of classic studio sessions from the '70s and '80s. SPL / sensitivity: 90 dB at 1W / 1m . Frequency range: 75 / 15,000 Hz . Impedance: 8 Ω

3. [B01 Studio: Spitfire] KRAZ6: An emulation of a two-way, full-range Active Studio Monitor - Woofer, 6.5", cast aluminum frame, Kevlar® cone, ferrite magnet - Frequency Response: 49Hz - 19kHz - Crossover Frequency: 1.6kHz.

4. [B01 Studio: Spitfire] ANTARES3X: An emulation of a 3 way, 4 driver loudspeaker system - Frequency Response: 32Hz to 50kHz - Crossover Frequency: 350, 2800Hz - Bass: 2 x 186mm cone - Midrange: 1 x 116mm cone - Tweeter: 1 x ribbon- Enclosure: bass reflex.

5. [B01 Studio: Spitfire] KALAUSI6: An emulation of an active nearfield monitor equipped with a 6.5" Woofer and 1" "Soft dome" tweeter. Class D Amplifier - Frequency range: 39 - 25.000 Hz (-10 dB), 47 - 21.000 Hz (+/- 3 dB) Peak - SPL: 112 dB.

Plus a powered subwoofer, Drive-units: two 12" long-throw Rohacell-cone woofers, each with 3.66" voice-coil and 11-lb magnet.

Frequency response: 17-145Hz, ±3dB. 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.



SIRIO800 - ALDEBARAN



KRAZ6



ANTARES3X



KALAU6

• B02 Studio: Fonoprint

Founded in Bologna in 1976, Fonoprint studios are possibly one of the most prestigious recording facilities in Italy and Europe. Hundreds of world-class musicians, songwriters, and bands have recorded their timeless music here for over 40 years.

Zucchero, Lucio Dalla, Vasco Rossi, and Gianni Morandi are just a few of the illustrious artists who have chosen Fonoprint's excellent rooms, and for a reason. They sound great and boast excellent responses, and we are bringing one of these unique spaces to you in Sienna.

Fonoprint studios, designed by ADG Guildford England, features stunning acoustics.

This room includes the following emulations:

1. [B02 Studio: Fonoprint] POLARIS5: An emulation of a powerful flagship model of speaker by a renowned and legendary brand, main speakers of the Fonoprint Studio B. this model features 34mm high-frequency driver, 75mm mid-range dome driver and two 15-inch radial bass units in twin ATL™ (Advanced Transmission Line) cabinets, producing the ultimate low-distortion response and audio window for any professional. The active electronics have resulted from a collaboration with another famous brand, giving unrivalled quality and reliability. This speaker offers higher SPLs and a frequency range that extends lower than any other monitor available — down to 17Hz. It has the capacity to reproduce the full scale and dynamics of a live recording without compression or distortion.



POLARIS5

2. [B02 Studio: Fonoprint] RIGEL410: An emulation of a powerful model of speaker, main speakers of the Fonoprint Studio A. Driver spec - Bass: 4 x 12" / 30.5 cm, Mid: 3" / 7.5 cm - High: 1.5" / 3.7 cm. Maximum SPL: 130 dB at 1 m - Frequency Response 20 Hz to 20 kHz \pm 2 dB. Crossover Point: Low: 450 HZ Linkwitz-Riley 24 dB/oct High: 4.5 kHz Linkwitz-Riley 24 dB/oct.

3. [B02 Studio: Fonoprint] NAOS10: An emulation of probably the most famous and popular speakers in recording industry, second speakers of the Fonoprint Studio A. 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 quoted from 60 Hz to 20 kHz, and rated power handling is 25–50 W.



RIGEL410 - NAOS10

• B03 Studio: Sonoria

This recording studio is a second home for every musician or sound engineer...

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.

This room includes the following emulations:

1. [B03 Studio: Sonoria] RIGEL208: An emulation of a Passive 3-Way - Mid-Field/Main System Reference Monitor, it is the largest passive monitor built by the manufacturer.

With its rotatable Mid / HF section, it can be used vertically or horizontally, soffit-mounted as a main monitor or used as a mid-field when stand mounted.

Driver: HF Driver: 1 x 1.12" / 28 mm Soft Dome Tweeter-MF Driver: 1 x 3" / 75 mm Soft Dome - LF Driver: 2 x 10" / 250 mm Cone - Maximum Sound Pressure

Level (SPL): 115 dB - Frequency Response: 45 Hz to 20 kHz \pm 2 dB

2. [B03 Studio: Sonoria] MERA1: An emulation of a Two-way Bi-Amplified ultra-precise loudspeaker for near-field sound monitoring in tracking and mixing. - Unprecedented accuracy for mixes that translate consistently - Maximum SPL: 125 dB peak (120 dB @ 1 meter - Frequency Response 32 Hz to 22 kHz - High peak power minimizes distortion or compression.



RIGEL208 - MERA1

• B04 Studio: Digitube

Picture yourself immersed in a natural reserve, the Mincio Regional Park, a protected wildlife area of Lombardy, in the province of Mantua.

Imagine a beautiful recording studio built with meticulous attention to detail, converted from an old farmhouse.

At the heart of the studio are a beautiful Neve Genesys console and a selection of vintage outboard units that Carlo Cantini, mixing engineer, musician, and producer, has collected over time.

Wood, stone, and a combination of other elements make the acoustics of Digitube studio unique and extremely appealing. The whole design process required several months of planning by Carlo Cantini and designer Dario Paini.

This room includes the following emulation:

1. [B04 Studio: Digitube] ANTARES7 (Sub): An emulation of a 2-Way Active Bass Reflex Speaker. Woofer: 165mm (6.5"), Rohacell / Carbonfibre sandwich. Freq.response (± 3 dB): 46Hz - 35 kHz plus an Active 12" Subwoofer Frequency range: 22 - 150 Hz, Crossover frequency: 50 - 150 Hz



ANTARES7

• B05 Studio: Re>Gen

Re>Gen Studio is multi-award-winning producer Paolo Sandrini's creative space. In a career spanning almost 30 years, Paolo Sandrini has worked with a plethora of pop and dance artists, including superstars Gigi D'Agostino, GetFar, DJ Ross, and many more.

The studio, located near Verona, features a nice collection of synthesizers, select analog gear, and the monitoring setup includes Grace Design m905, Focal SM9, Avantone MixCube.

This room includes the following emulations:

1. [B05 Studio: Regen] VEGA9: An emulation of an Active 3 and 2-way Studio Monitor (The speaker features an 11" passive radiator, an 8" subwoofer, a 6.5" midrange driver, and a 1" pure Beryllium tweeter. Driver: HF Driver: 1 x 1" / 25 mm Beryllium Inverted Dome Tweeter MF Driver: 1 x 6.5" / 165 mm Composite Cone LF Driver: 1 x 8" / 203 mm Composite Cone LF Driver: 1 x 11" / 280 mm Composite Passive Radiator - Maximum Sound Pressure Level (SPL): 116 dB - Frequency Response 30 Hz to 40 kHz \pm 3 dB.

2. [B05 Studio: Regen] Anechoic VEGA9: An emulation of the same Active 3 and 2-way Studio Monitor of the VEGA9 but in this case sampled in an Anechoic chamber.



VEGA9

• B06 Studio: Sottoilmare

Sotto il Mare Recording Studios is engineer and producer Luca Tacconi's marvelous creative space. A place where everything is conceived to ensure concentration and spark inspiration.

It features a wonderful collection of analog tape machines, three wonderful recording rooms, and a stunning 56-channel MCI JH556 desk.

The control room has an extremely accurate, linear response (AES +/- 3dB).

This room includes the following emulation:

1. [B06 Studio: Sotto Il Mare] SIRIO805: An emulation of a Two way monitor, a fiercely confident and bold performer. Its character is quite neutral with hints of lower mid/bass warmth - Tweeter: 25mm / 1" aluminum dome - Crossover Frequency - Mid/Bass Driver: 165mm / 6.5 in woven Kevlar® cone - 4000Hz - Sensitivity 88dB spl (2.83V, 1m) - Frequency Response: 49Hz - 22kHz ±3dB on axis, -6db at 42hz and 50khz.



SIRIO805

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