Solidus VS8100 – Solid State Amplifier

(AAX, AU, CLAP, VST2, VST3)
produced by Luca Capozzi (Audiority Srls), March 2020

Current Manual version: v1.3

Solidus VS8100 is an analog simulation of the iconic Marshall® Valvestate™ 8100, solid state amplifier from 1991.

The original head was the first incarnation of the Valvestate series, a solid state amplifier with a 12AX7 tube as a driver for the distorted channel tone stack, which defined the history of death metal through the 90s. It featured two channels: a Normal channel, for clean guitars, and a Boost channel for distortions. We carefully modelled the original amplifier and added some goodies to further shape your guitar tone.

Integrated cabinet provided by Dr Bonkers Sound Lab, Valhallir.at and Seacow Cabs
https://www.drbonkerssoundlab.com/
https://valhallir.at/
https://seacowcabs.wordpress.com/

Please, read carefully both product specifications and system requirements **before** purchasing any **Audiority** product.

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Credits

Code & DSP: Luca Capozzi (Audiority Srls), March 2020
GUI Design: Luca Capozzi
Cabinet IR: Dr Bonkers Soundlab; Valhallir.at; Seacow Cabs
Published by Audiority Srls
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Specifications

- Analog Modelled Solid State Amplifier
- 2 Channels (Normal/Boost)
- Normal Channel modes: Clean; Crunch
- Boost Channel modes: OD1; OD2
- Noise Gate
- Dr Drive – Modern Overdrive
- Customizable Clean Boost (10 Band EQ → Booster)
- Post Amp 5 Band Equalizer
- Integrated Dual Cabinet Simulator
- Resizable interface

System Requirements

PC	MAC (Intel)	MAC (Silicon)
• Windows 7 64bit or later	• OSX 10.13 or later	• macOS 11.0 or later
• Intel i5 or equivalent	• Intel i5 or equivalent	• M1 or higher
• 4 GB RAM	• 4GB RAM	• 4 GB RAM
• Screen resolution: 1024×768	• Screen resolution: 1024×768	• Screen resolution: 1024×768
• VST2, VST3, AU, CLAP 64-bit host	• VST2, VST3, AU, CLAP 64-bit host	• VST2, VST3, AU, CLAP 64-bit host
• PT11 or higher, AAX 64-bit host	• PT11 or higher, AAX 64-bit host	• PT11 or higher, AAX 64-bit host

INDEX

FILE LOCATIONS

Mac

All presets, license, IR files and settings are located in:
/Users/Shared/Audiority/

AAX, CLAP and VST plugins will be placed in their own Audiority sub-folder located in:

AAX: /Library/Application Support/Avid/Audio/Plug-Ins/Audiority
CLAP: /Library/Audio/Plug-Ins/CLAP/Audiority
VST: /Library/Audio/Plug-Ins/VST/Audiority
VST3: /Library/Audio/Plug-Ins/VST3/Audiority

PC

All presets, license, IR files and settings are located to:
C:\Users\Public\Public Documents\Audiority

AAX, CLAP and VST plugins will be placed in their own Audiority sub-folder, usually located in:

AAX: C:\Program Files\Avid\Audio\Plug-Ins\Audiority
CLAP: {Your CLAP Path}\Audiority
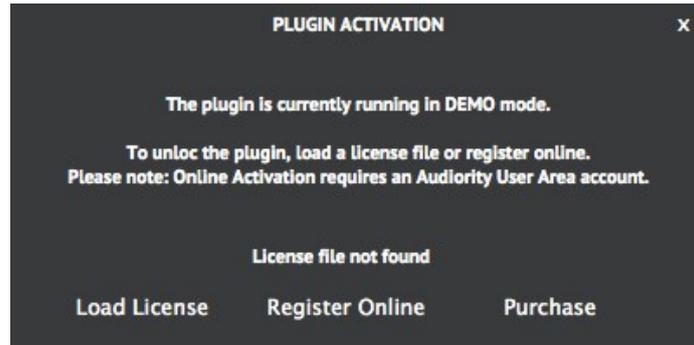VST: {Your VST Path}\Audiority
VST3: {Your VST3 Path}\Audiority

ARTIST PRESETS

Along with the Factory presets, we included an Artists folder with presets made by our partners. The suffix at the end of the filename are the author's initials.

Name	Suffix
Eddie Scharr	ES
Giacomo Gastaldi	GG
Johan Lund	JL
Scott Elliott	SE
Simon Medz	SM

PLUGIN ACTIVATION

Once you install and open the plugin for the first time, it will be in **Demo Mode** until a license file is loaded. In Demo Mode the plugin will output 3 seconds of silence every minute.

You can activate the plugin either OFFLINE or ONLINE.

OFFLINE ACTIVATION
If you purchased the plugin from our site, you should have received an email to download the installers and the license file. Save the license file you got with your purchase email (or via our User Area) anywhere on your computer.

Then, to activate the plugin, click on the **Audiority** logo and select "**Register**". The Registration window will pop up allowing you to load the license file you got while purchasing the plugin by clicking the "**Load License**" button. Alternatively, you can drag and drop the license file on the registration window.

NOTE: If you purchased the plugin from one of our dealers, please check the "**USER AREA AND REDEEM CODES**" section below.

ONLINE ACTIVATION
If you are registered to our User Area, then you can activate the plugin online.

Insert your Username (or email address), your password and click the "**Login**" button. The license file will be automatically delivered in your computer and the plugin will be activated.

USER AREA AND REDEEM CODES

If you purchased from one of our dealers, then you should have received an email with a redeem code. This code is required to deposit a license in your User Area account and let you download the license file or activate the plugin online.

If you don't have an User Area account yet, please follow these steps:

 1) Go to https://www.audiority.com/register and fill out the signup form.

IMPORTANT: Please be sure to register with the **e-mail address you use for your purchases**, otherwise your products will not show. Since we use reCAPTCHA for registration only, please temporarily disable any ad blocker you are using.

Username

Heisenberg58

First Name

Walter

Last Name

White

Purchase E-mail Address

w.white@pollos.com

Password

....

Confirm Password

....

☑ I read and agree to the Privacy Policy and Terms of Use

✓ I'm not a robot
reCAPTCHA
Privacy - Terms
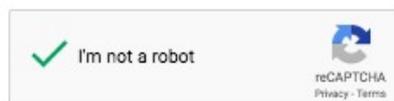
Register   Login

2) Once registered, log in to your account by clicking the User Area section of our site. Click the **REDEEM** section of your account and paste the code you received via email from our dealer.
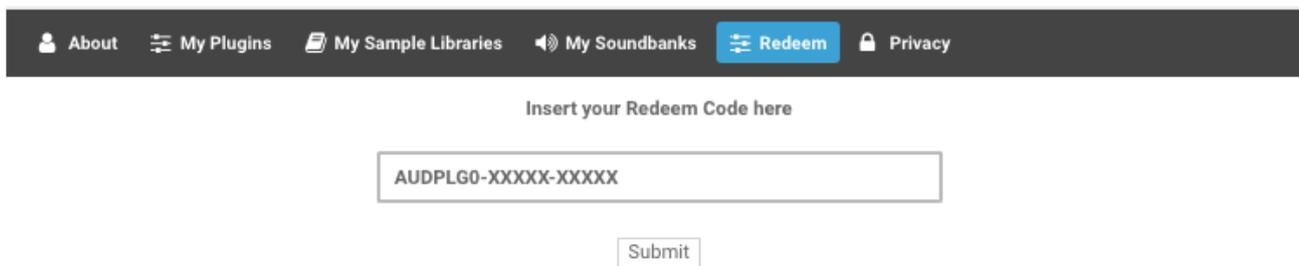
3) After submitting the code, a license will be deposited in your account and will be shown in "**MY PLUGINS**" section of your User Area.
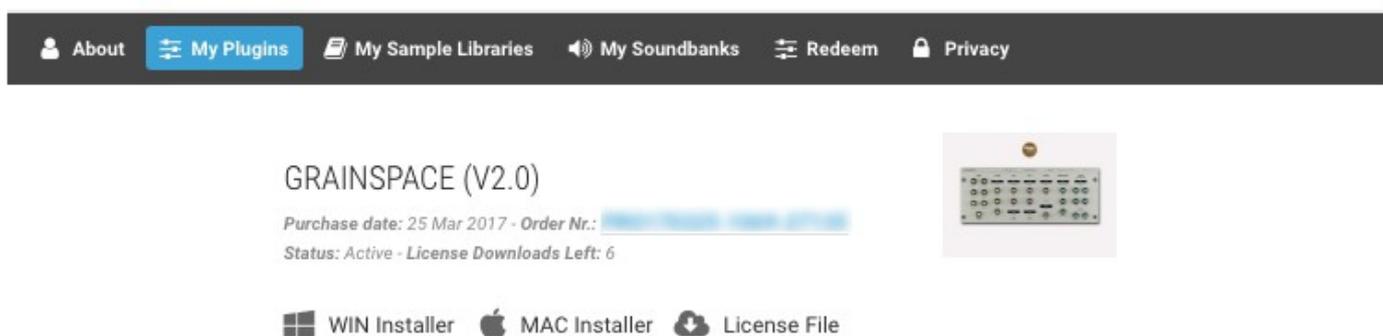
4) Now you can click "License File" and save the license anywhere on your computer and ready to be loaded through the plugin registration window. You can also skip this part and activate your plugin online (see previous section of this manual).

USER PATHS SETTING
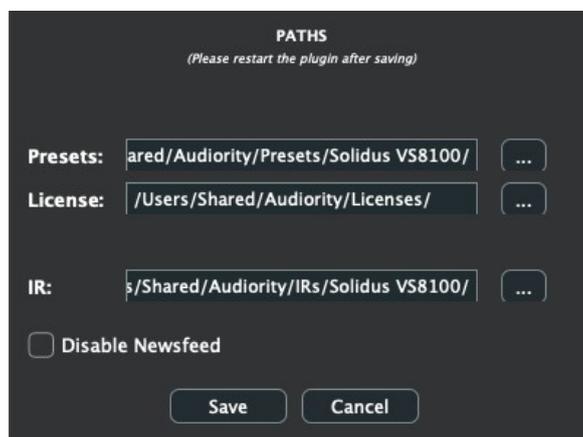
By selecting "**Settings**" from the logo menu, you can change the path for **Presets, License** and **IR** folders.
You can also disable our Newsfeed from here.
Note: Please do not move the **Settings** folder from its default location.

PLUGIN PARAMETERS – AMP PAGE

TOOLBAR

The Toolbar allows you to manage the plugin presets, register the plugin and set some global parameters.
Click the **AUDIORITY** logo, in the top left corner of the Toolbar, to visit our website and social profiles, register the plugin, change the interface size, switch between Bright/Dark modes and customize the paths for license and preset files. The **HQ** button will enable oversampling, useful to reduce aliasing when the signal saturates. Use the **Randomize** and **Reset** buttons to experiment with random presets or restoring it to its saved version. The **NOTIFICATIONS** (bell) icon will show you when a new update is available and other relevant news and offers.

PARAMETERS

GLOBAL PARAMETERS

IN / OUT	Adjust the volume of the signal before and after the chain.
GATE / OD / EQ BOOST / AMP / OUT EQ / CAB	Left click: switch to the related effect page Right click: enable/disable the effect (same as the power switch)

NORMAL CHANNEL

GAIN	Adjust the amount of gain applied to Normal channel. This channel is all solid state
CLEAN/CRUNCH	Boosts the signal before the GAIN and adds a diode overdrive in the second op-amp stage.
TREBLE / MIDDLE / BASS	Tone stack controls for the Normal channel
CHANNEL SELECT	Switch between the Normal and Boost channels

> 💡 **TIP**
> You can lock any knob and slider by right clicking them and selecting "Lock Parameter".
> In **STANDALONE** app, you can change the audio I/O settings by clicking on the "cog" icon in the bottom-left corner.

BOOST CHANNEL

GAIN	Adjust the amount of gain applied to Boost channel. This channel is solid state followed by a 12AX7 tube driving the tone stack.
OD1/OD2	Boosts the amplification factor of the second op-amp stage.
TREBLE / MIDDLE / BASS	Tone stack controls for the Boost channel
CONTOUR	Changes the equalization shape. Move CW to get a more scooped tone or CCW to cut the high end.

MASTER CHANNEL

REVERB	Adjusts the volume of the reverberated signal.
VOLUME	Adjusts the main output volume of the amplifier
CAB	Sets the Cab Loader on/off.
POWER	Sets the amplifier on/off.

PLUGIN PARAMETERS – GATE PAGE

A noise gate with frequency dependent sensitivity.

GATE PARAMETERS

TRIGGER LEVEL	Adjust the noise gate threshold.
HISS / MID / FULL	Change the gate frequency dependent sensitivity. Use Hiss for high frequency background noise; Mid for noise coming from distortions and Full for more complex background noise.
FOOT SWITCH	Sets the gate on/off.

PLUGIN PARAMETERS – OVERDRIVE

Modern overdrive for every tone needs. Modelled after the Horizon Devices Precision Drive

OD PARAMETERS

LEVEL	Adjust the output volume of the pedal.
BRIGHT	Tone control. Move to the right to get a brighter tone or to the left to darken it.
ATTACK	Sets the bass response of the overdrive stage. Left is fuller and thick, while to the right is more modern and clear.
DRIVE	Sets the overdrive amount.
FOOT SWITCH	Sets the overdrive on/off.

PLUGIN PARAMETERS – INPUT EQ/BOOST PAGE

Clean boosters are basically a combination of tone shaping and amplification. We provided you a 10 band equalizer followed by a transparent clean booster for endless tonal shaping possibilities.

EQ/BOOST PARAMETERS

FREQUENCY BANDS	Adjust the boost/cut of the selected band by +/- 12dB.
BOOST KNOB	Sets the amplification factor for the signal coming from the EQ.
FOOT SWITCH	Sets both the EQ and BOOST pedals on/off.

PLUGIN PARAMETERS – OUT EQ PAGE

A post-amp five band equalizer to shape the amp sound before going to the cabinet.

<u>**OUT EQ PARAMETERS**</u>

FREQUENCY BANDS	Adjust the boost/cut of the selected band by +/- 12dB.
INPUT / OUTPUT LEVEL	Sets the volume of the signal before and after the EQ.
FOOT SWITCH	Sets both the EQ on/off.

PLUGIN PARAMETERS – CAB DUO PAGE

A dual cabinet simulator / IR loader. It can load our custom ".audIR" files or standard WAV files.

CAB LOADER PARAMETERS

CAB RES FREQ / AMOUNT	Adjusts the cabinet resonant frequency in Hz and the related volume.
AIR FREQ / AMOUNT	Adjusts the cabinet air frequency and volume.
LOADER SCREEN	Shows the files in the selected folder. You can change folder using the toolbar above the files.
HOME BUTTON	Reload the default IR folder. You can change the Home folder from the plugin's Settings.
UP / DOWN BUTTONS	Scroll through the IR files.
POWER BUTTON	Enable/Disable the selected loader.
HP	Highpass filter. Cuts the low end of the signal.
LP	Lowpass filter. Cuts the high end of the signal.
DEL	Introduces a little delay in the signal, changing its phase properties. Use this while blending out of phase IRs.
PAN	Sets the selected Cab place in the stereo field.
VOL	Sets the selected Cab output volume.
BLEND	Mixes between the two Cabinets.

CHANGELOG

v1.3 (December 2023)
- NEW: Updated Framework
- NEW: CLAP plugin format
- NEW: Universal 2 Binary for Apple Silicon Macs
- FIX: Mac installer was asking for Rosetta on Silicon Macs
- FIX: Windows installer could erase User folder when updating
- FIX: Standalone input channels only available as stereo pairs
- CHANGE: Improved standalone window
- CHANGE: Improved distortion response on amp's Boost channel
- BREAKING CHANGE: Minimum macOS version is now 10.13

v1.2 (November 2020)
- NEW: Cab Duo (replaces Cab Loader)
- FIX: Dr Drive random loud signal overflow on startup
- FIX: EQs presets menu keeps refreshing
- FIX: Standalone channel not correctly initialized in some configurations
- CHANGE: Improved presets menu
- CHANGE: Improved menu look
- CHANGE: In/Out knobs will now show value when adjusted
- CHANGE: Improved Noise Gate band selection switch

v1.1 (September 2020)
– FIX: Standalone version outputting only one channel
– CHANGE: Improved file size
– CHANGE: Improved loading time

v1.1 (July 2020)
- NEW: Standalone version
- NEW: Dr Drive (Modern Overdrive)
- NEW: Dark Mode (via logo menu)
- NEW: More cabinet IRs
- NEW: More presets
- CHANGE: Improved footer toolbar
- CHANGE: Improved Cab Loader performance
- CHANGE: Improved amplifier graphics

v1.0.1 (May 2020)
- FIX: HQ mode affecting curves of EQ/BOOST and OUT EQ
- FIX: Out Gain wrongly assigned to mono input
- FIX: Missing parameter locking for Input and Output gain controls
- CHANGE: Input and Output gain parameters are now excluded from randomization
- CHANGE: Fixed a typo in the preset name Thrash Rhythm JL
- CHANGE: Fixed a wrong row in the noise gate page of the documentation

v1.0 (March 2020)
– Original release

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Transfer Fee can be found at this address https://www.audiority.com/faq/#1509113035751-cec03c9c-5c77

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Last updated on Jan 25th, 2023

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We hope you will enjoy it as much as we did.

If you have any question, concerns, technical issues or even for just say 'Hello', get in touch with us at:

info@audiority.com

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Cheers,
Luca

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