



L12X – Solid State Amplifier

(VST, VST3, AU, AAX, CLAP)

produced by Luca Capozzi (Audiority Srl), January 2020

Current Manual version: v1.4

L12X is an analog simulation inspired by the Marshall® Lead 12™ solid state amplifier of the late '80s.

The original head was an op-amp based amplifier: instead of using tubes or transistors, the op-amp is able to provide a huge amount of gain with very little or no distortion. However, when the amplified signal reaches the voltage applied to power the op-amp, it gets clipped. Marshall engineers exploited that to provide a great sounding amplifier with very few components. This little solid state head is able to push cabinets up to 4x12 and can easily sound like a JCM™. We modified the original circuit by adding a Contour knob (to get a more scooped tone) and an additional Boost overdrive stage. We also included an integrated Cab Simulator, loaded with a Marshall cabinet IR featuring Celestion V30 cones.

Integrated cabinet provided by Seacow Cabs

<https://seacowcabs.wordpress.com/>



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

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L12X Solid State Amplifier

produced by Audiority, January 2020.

Credits

Code & DSP: Luca Capozzi (Audiority Srls), January 2020

GUI Design: Luca Capozzi

Cabinet IR: Brian Colin Lagos (Seacow Cabs)

Published by Audiority Srls

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Specifications

- 3x Analog Modelled Amplifiers
- Solid State Amplifier: Standard
- Tube Amplifiers: Clean & Metal
- 2 Channels (Clean/Boost)
- 3 bands tone stack
- Contour
- Integrated Cabinet Simulator
- Resizable interface

System Requirements

PC

- Windows 7 64bit or later
- Intel i5 or equivalent
- 4 GB RAM
- Screen resolution: 1024×768
- VST3, AU, CLAP 64-bit host
- PT11 or higher, AAX 64-bit host

MAC (Intel)

- OSX 10.13 or later
- Intel i5 or equivalent
- 4GB RAM
- Screen resolution: 1024×768
- VST3, AU, CLAP 64-bit host
- PT11 or higher, AAX 64-bit host

MAC (Silicon)

- macOS 11.0 or later
- M1 or higher
- 4 GB RAM
- Screen resolution: 1024×768
- VST3, AU, CLAP 64-bit host
- PT11 or higher, AAX 64-bit host

INDEX

FILE LOCATIONS.....	4
PLUGIN ACTIVATION.....	5
USER AREA AND REDEEM CODES.....	6
MIDI MAPPING.....	8
PLUGIN PARAMETERS.....	9
TOOLBAR.....	9
PARAMETERS.....	9
MAIN PARAMETERS.....	9
AMP MODELS.....	9
MIDI IMPLEMENTATION CHART.....	10
CHANGELOG.....	11

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:

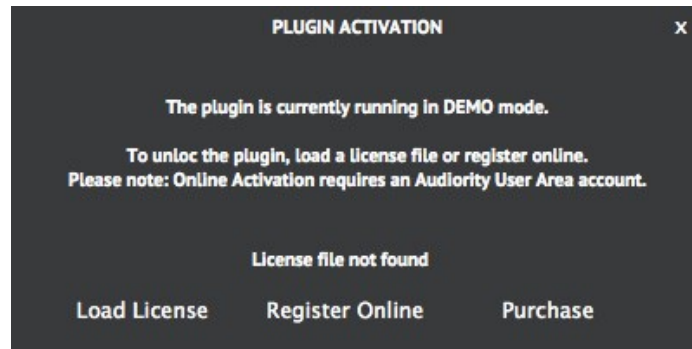
AAX: C:\Program Files\Avid\Audio\Plug-Ins\Audiority

CLAP: {Your CLAP Path}\Audiority

VST: {Your VST Path}\Audiority

VST3: {Your VST3 Path}\Audiority

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

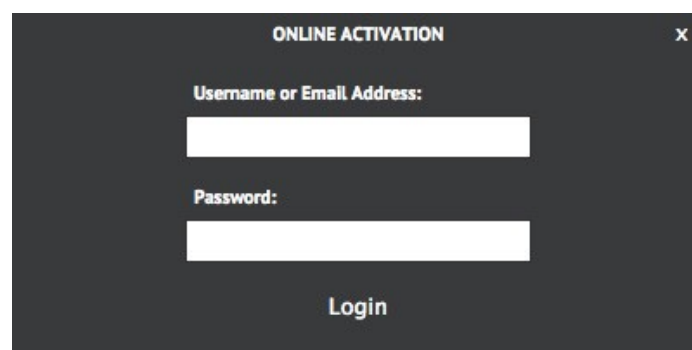
If you purchased the plugin from our site, you should have received an email to download the installers and the license file. Save the license file you got with your purchase email (or via our User Area) anywhere on your computer.

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

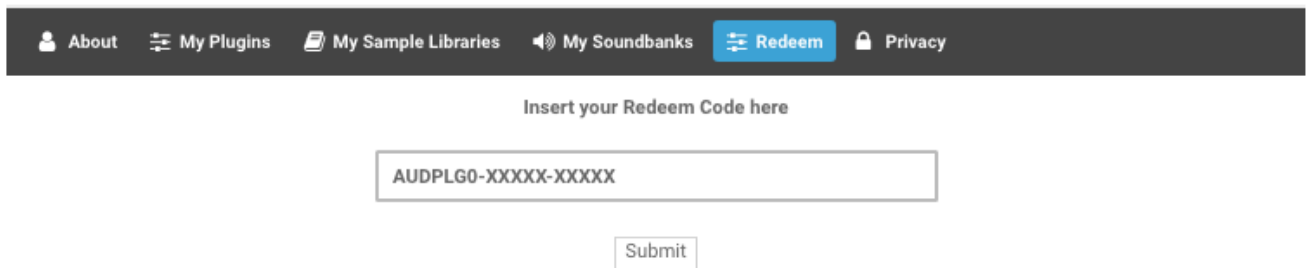


reCAPTCHA
Privacy - Terms

Register

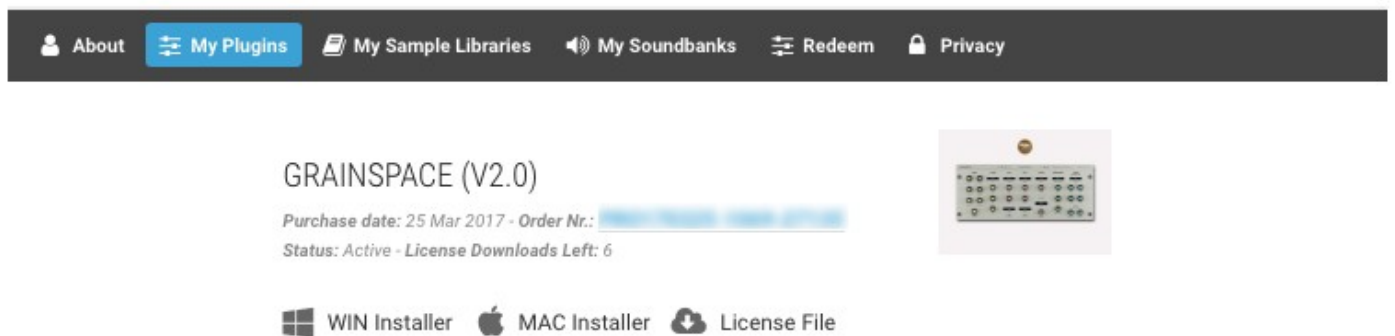
Login

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.



The screenshot shows a website's top navigation bar with links: About, My Plugins, My Sample Libraries, My Soundbanks, Redeem, and Privacy. Below the navigation bar, there is a section titled "Insert your Redeem Code here" with a text input field containing the code "AUDPLG0-XXXXX-XXXXX" and a "Submit" button.

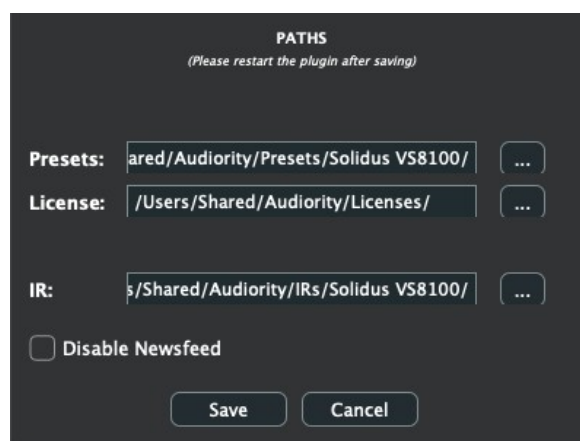
3) After submitting the code, a license will be deposited in your account and will be shown in “**MY PLUGINS**” section of your User Area.



The screenshot shows the "My Plugins" section of the user area. The navigation bar is the same as in the previous image. Below it, the "GRAINSPACE (V2.0)" plugin is listed. It shows the purchase date as "25 Mar 2017", the order number as "Order Nr.: [redacted]", and the status as "Active - License Downloads Left: 6". To the right of the text is a small image of the plugin's interface. Below the text, there are three download options: "WIN Installer", "MAC Installer", and "License File".

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



The screenshot shows a "PATHS" settings window. It has a title bar "PATHS" and a subtitle "(Please restart the plugin after saving)". There are three rows of settings, each with a label, a text input field, and a button with three dots. The first row is "Presets:" with the path "ared/Audiority/Presets/Solidus VS8100/". The second row is "License:" with the path "/Users/Shared/Audiority/Licenses/". The third row is "IR:" with the path "s/Shared/Audiority/IRs/Solidus VS8100/". Below these rows is a checkbox labeled "Disable Newsfeed". At the bottom are two buttons: "Save" and "Cancel".

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.

MIDI MAPPING



In this section you can map your MIDI controller to the plugin. The MIDI Map state will be automatically saved when closing the plugin/standalone app. Alternatively you can save and re-load your custom mappings. You can access the MIDI MAPPING by clicking the Audiority logo, then Preferences.

Assigning a parameter

Right click on any knob or buttons on the UI and select MIDI Learn and follow the on-screen message. This will map the parameter via the CC Value message. Alternatively, you can manually map any parameter via the MIDI Map.

NOTE: Buttons that set different values on the same parameter needs to be manually assigned via CC Selector

MIDI Map Types

- **CC Command:** sends a specific command to the plugin. Check the Destination drop-down menu for the available commands.
- **CC Selector:** use this Type to map buttons that sends different values to the same parameter (i.e: the Amp selector). Use the Destination menu to choose the parameter and the Value menu to set the value.
- **CC Engage:** use this Type to automatically enable/disable a button. Useful when used along with CC Value to automatically engage a pedal effect (like a Wah). Use the Value field to enter a disengage time in milliseconds.
- **CC Preset:** use this to switch presets via MIDI CC instead of Program Change messages.
- **CC Toggle:** use this to toggle a on/off control. This control will automatically switch between on/off states.
- **CC Value:** sends an absolute value to a parameter. Use this when mapping an expression pedal or a knob/slider controller.
- **Program Change:** sends a MIDI PC message.

PLUGIN PARAMETERS



TOOLBAR

The Toolbar allows you to manage the plugin presets, register the plugin and set some global parameters.

By clicking the **AUDIORITY** logo, in the top left corner of the Toolbar, you'll be able to visit our website and social profiles, register the plugin, change the interface size 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. Press **SHIFT+DOUBLE CLICK** on any knob to manually assign a new value.

PARAMETERS

MAIN PARAMETERS

GAIN	Adjust the amount of gain going to the op-amp (Clean) / diode overdrive (Boost Mod)
BOOST MOD	Boosts the signal before the GAIN and adds a diode overdrive in the op-amp stage.
VOLUME	Sets the amplifier master volume.
TREBLE / MIDDLE / BASS	Tone stack controls for both Clean and Boost Mod channels
CONTOUR	Changes the equalization shape. Move CCW to get a more scooped tone or CW to cut the high end.
CAB SIM	Enables the integrated speaker simulation,

AMP MODELS

STANDARD	The classic L12X Solid State Amplifier (Red tolex)
CLEAN	Single tube preamplifier with JC-120 style tone-stack (White tolex)
METAL	Four tube preamplifier with mkIIC+ style tone-stack (Black tolex)

CHANGELOG

v1.4 (June 2025)

- NEW: Framework update
- NEW: MIDI Mapper
- NEW: iOS Standalone App + AUv3
- BREAKING CHANGE: macOS minimum version is now 10.13

v1.3 (July 2022)

- NEW: Framework update
- NEW: Revamped GUI
- NEW: Clean and Metal Amp Models
- NEW: CLAP plugin format
- NEW: MIDI Control for Standalone App

v1.2 (December 2021)

- NEW: Updated framework
- NEW: Universal 2 Binary for Apple Silicon Macs
- FIX: Standalone mode now allows to select single channels instead of stereo pairs.

v1.1.2 (Sep 2020)

- FIX: Standalone version outputting only one channel
- CHANGE: Improved file size

v1.1.1 (Jul 2020)

- FIX: ASIO devices not showing on Windows standalone

v1.1 (Jul 2020)

- NEW: Standalone version
- NEW: Improved framework stability

v1.0 (January 2020)

- Original release

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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

or checkout our site at www.audiority.com

Cheers,
Luca

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