



# Green Reaper GR9

(VST, VST3, AU, AAX)

produced by Luca Capozzi (Audiority Srls), June 2020

**Current Manual version: v1.0**

Green Reaper is an analog simulation of the Ibanez® Tube Screamer™ TS9, an historical overdrive pedal of the 1982.

The first incarnation of the Tube Screamer series, the TS-808, was first released in the 1979 and hand-wired by MAXON® engineers, who has been Ibanez's production partners until 2002. This pedal quickly became wildly popular due to its ability to deliver one of the smoothest and most responsive overdrive tones ever with just three controls. That's why, still today, this is one of the most cloned and modified pedals ever.

We carefully modelled the original pedal and added some goodies, including several modified versions of the circuit, to further shape your guitar tone.

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

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# Green Reaper GR9

produced by Audiority, June 2020.

## Credits

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

GUI Design: Luca Capozzi

Published by Audiority Srls

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## Specifications

- Analog Modelled Overdrive
- Drive, Tone and Level controls
- Pre and Post effect gain
- Mix control
- Noise Gate
- 12 different circuit types
- “To Amp” output mode
- Resizable interface

## System Requirements

### PC

- Windows 7 64bit or later
- Intel i5 or equivalent
- 2 GB RAM
- Screen resolution: 1024×768
- VST2, VST3, AAX 64-bit host

### MAC

- OSX 10.8 or later
- Intel i5 or equivalent
- 2 GB RAM
- Screen resolution: 1024×768
- VST2, VST3, AU, AAX 64-bit host

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## FILE LOCATIONS

### Mac

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

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

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

VST: /Library/Audio/Plug-Ins/VST/Audiority

### PC

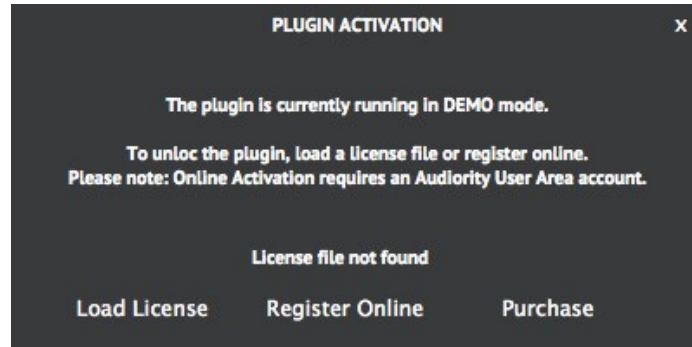
All presets, license, IR files and settings are located to:  
C:\Users\Public\Public Documents\Audiority

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

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

VST: {Your VST 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

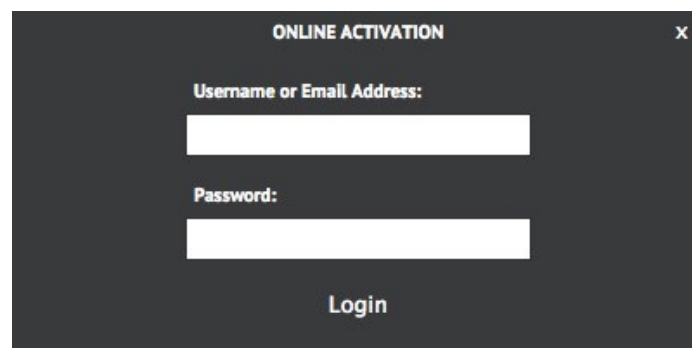
If you purchased the plugin from our site, you should have received an email to download the installers and the license file. Save the license file you got with your purchase email (or via our User Area) anywhere on your computer.

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.

**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**

**First Name**

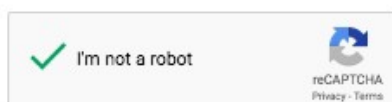
**Last Name**

**Purchase E-mail Address**

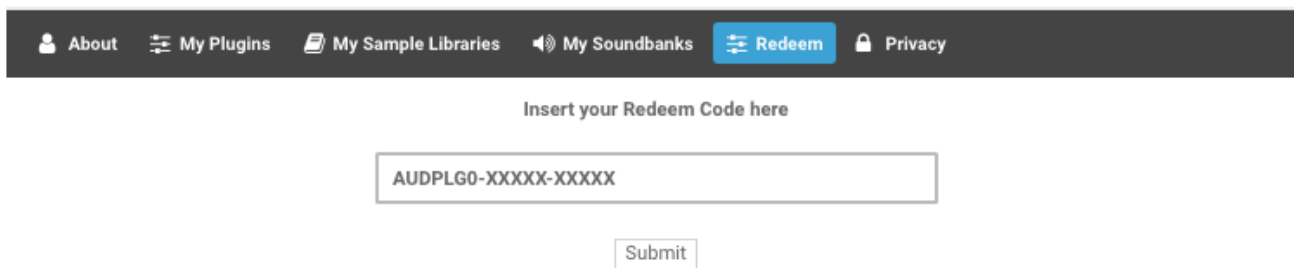
**Password**

**Confirm Password**

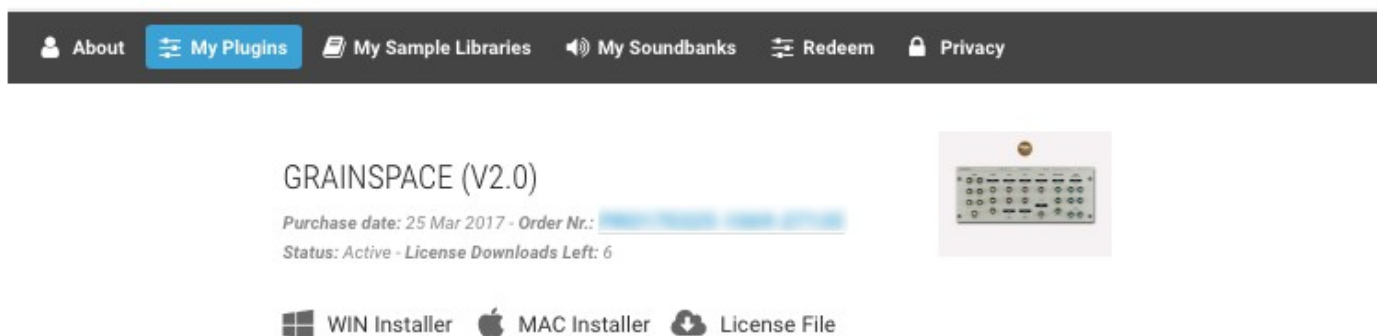
I read and agree to the Privacy Policy and Terms of Use



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.

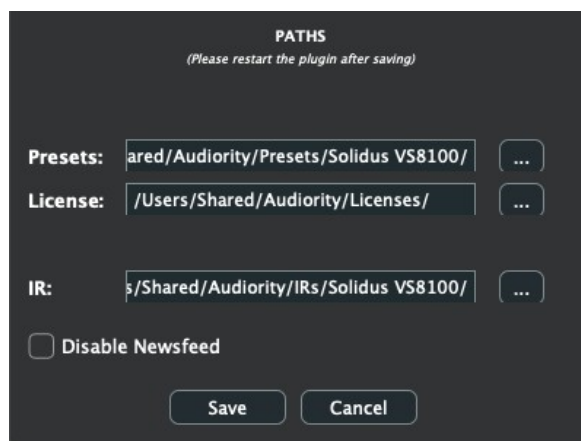


3) After submitting the code, a license will be deposited in your account and will be shown in “**MY PLUGINS**” section of your User Area.



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



### 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 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

#### PEDAL PARAMETERS

- DRIVE** Adjusts the amount of overdrive. Set it to minimum to have just a touch of dirt, using the pedal as a booster, or to the max for a fully distorted tone.
- TONE** Adjusts the timbre of the overdrive. Set it to minimum for a dark tone, or to the max for full brightness.
- LEVEL** Controls the output volume of the pedal.

#### GLOBAL CONTROLS

- TO AMP** By default, the output level of all circuit types is matched. By enabling "To Amp", each circuit type will have a different output loudness according to the circuit response. Enable this if you are using Green Reaper before an amp simulator.
- TYPE** Switch between different circuit models. Check next paragraph for more details.
- GATE** Noise gate threshold.
- IN / OUT** Pre / Post effect gain.
- MIX** Dry/wet signal mixer.

**TIP:** You can lock any knob and slider by right clicking them and selecting "Lock Parameter".



## CIRCUIT TYPES (MODS)

We implemented different versions of the pedal circuit, each one with different tonal AND LOUDNESS characteristics. Below you'll find a description of each circuit type, along with the output level change when "To Amp" is enabled.

### DEFAULT

Our first circuit version follows the original schematic including some measurements done to the hardware.  
To Amp +0dB

### 316 MOD

Changes the amount of bass signal going through the overdrive stage. Increased gain for the Drive stage. Clipping diodes has been replaced with a LED, for the positive cycle of the signal, and a LED in series with a 1N4148 diode for the negative cycle. Asymmetrical clipping provides a warmer overdrive with more output power.  
To Amp +12.2dB

### BRONCO

Inspired by the Dead Horse and Precision Drive pedals. More bass through the overdrive stage and increased gain.  
To Amp -1dB

### BROWN

A classic Tube Screamer mod, providing a fuller and warmer overdrive.  
To Amp +3dB

### BSM

Wampler's Brent Mason mod. Warmer overdrive, increased gain and asymmetrical clipping using 1N4001 diodes.  
To Amp +12.5dB

### FLAT

Another classic mod that "flattens" the frequency response of the pedal by bypassing the clipping capacitor and reducing the signature mid-hump of the pedal.  
To Amp +3.8dB

### LAFF LED

Landgraff Overdrive, LED mode. Improved bass response and increased gain. Clipping diodes replaced by LEDs.  
To Amp +6.6dB

### LAFF MR

Landgraff Overdrive, Marshall mode. Improved bass response and increased gain. Asymmetrical clipping using 1N914 diodes.  
To Amp +7.5dB

### LAFF OP

Landgraff Overdrive, diode-less mode. Improved bass response and HUGE gain. Clipping diodes removed to saturate the op amp.  
To Amp +22.5dB

### STINKY

Stinkfoot mod. Improved bass response and increased gain. Clipping diodes replaced with MA150.  
To Amp +2.8dB

### TUBE

Tube-like overdrive. Improved bass response and a LOT of gain. Asymmetrical clipping using 1N914 diodes.  
To Amp +13dB

### WAMPLER

Wampler's Standard Mod. Improved bass response, fullness and dynamics with increased gain. Asymmetrical clipping using a 1N4001 diode for the positive cycle of the signal, plus a combination of LED and germanium 1N34A in series, for the negative cycle.  
To Amp +11.3dB

# CHANGELOG

**v1.0** (June 2020)  
- Original release

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Last updated on August 1, 2018

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

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or checkout our site at [www.audiority.com](http://www.audiority.com)

Cheers,  
Luca

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