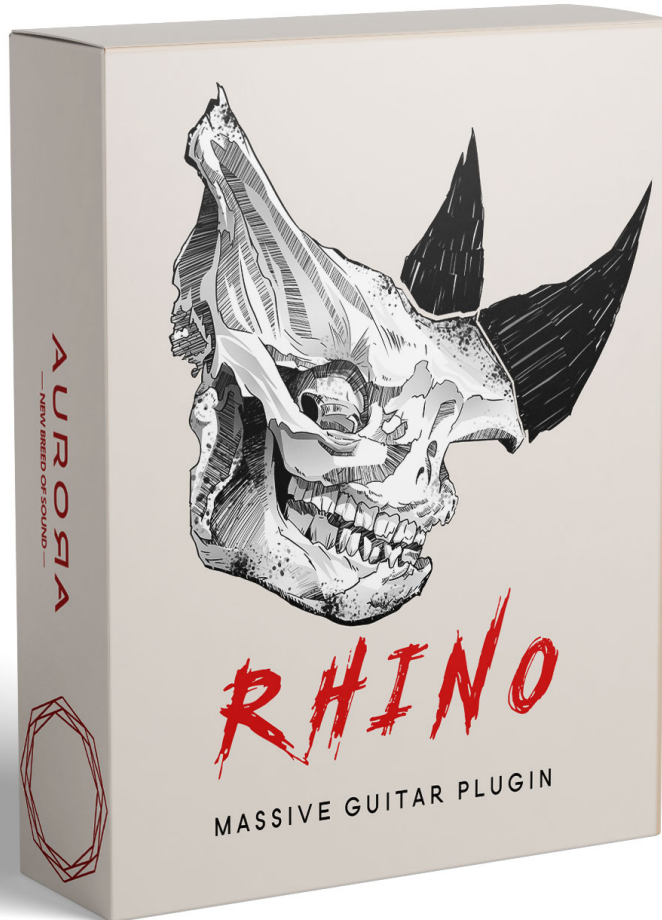


RHINO MANUAL

Aurora DSP



RHINO GUITAR PLUGIN

Welcome to the official RHINO manual!

Rhino is a compact, advanced guitar plugin solution that crosses the borders of guitar sound, making tone creation even easier and faster.

With our proven formula and focused design, heavy walls of guitars will easily fill in your whole mix.

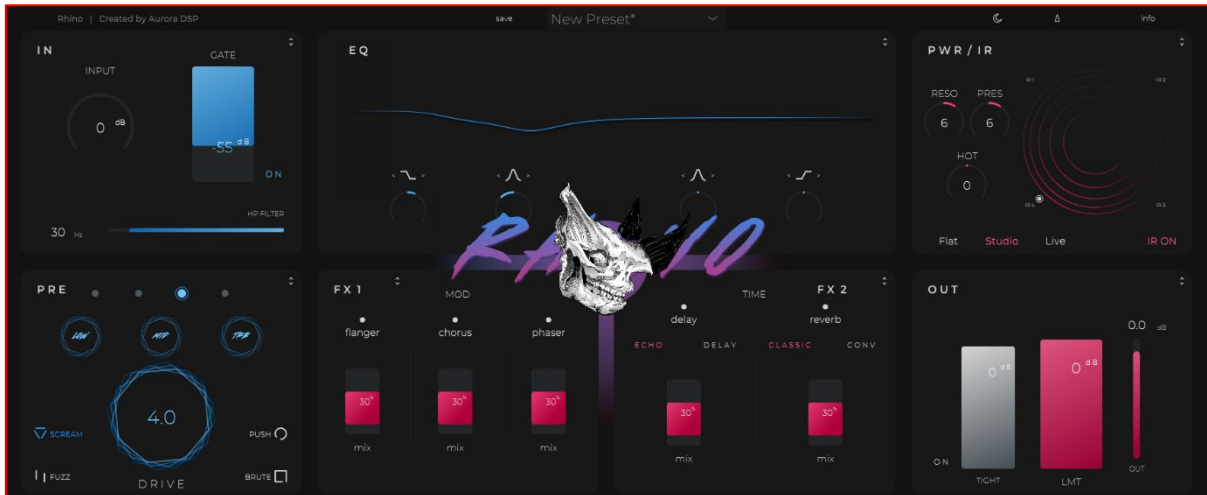
This manual will help you learn how you can control every aspect of your guitar signal by detailing each parameter and their expanding sections.

Thank you for your purchase and we hope you enjoy RHINO!

If you have any questions, please don't hesitate to contact us: contact@auroradsp.com.

MAIN INTERFACE

When you insert RHINO as a VST in your DAW of choice, it will load in the following default configuration.



The plugin consists of various modular parts, they are:

- Input.
- Preamp.
- EQ.
- Effects.
- Cabinet / Power Amp.
- Out.

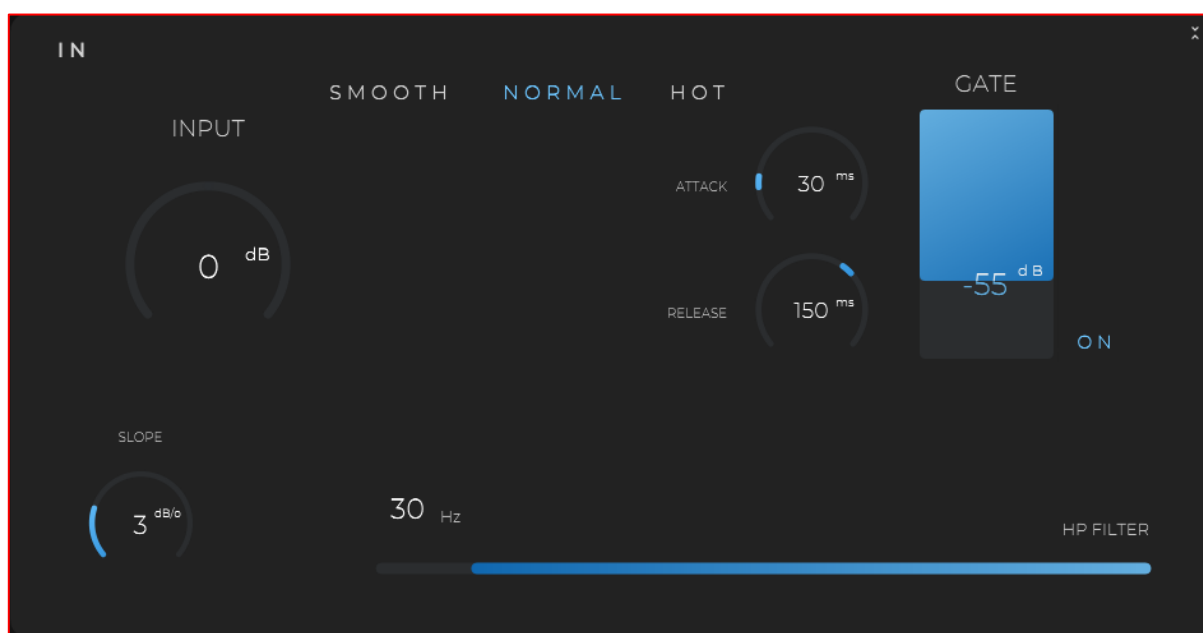
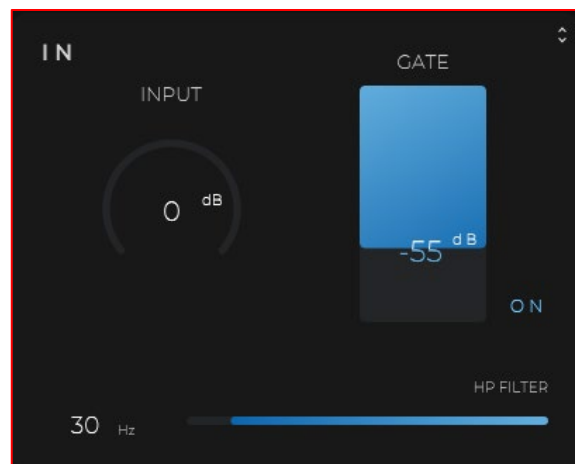
Additionally, you will find a:

- Preset bank dropdown menu located at the top-center position of the plugin.
- Button to switch from a dark or light GUI design.
- Triangle button to open the built-in tuner.

INPUT MODULE

In the top left of RHINO, you will see the IN module. This is where you can adjust the input signal of your guitar. To expand the module, click on the arrows in the upper-right corner of the module.

The expanded view of the input module has many extra features that you can use to ensure you have a good signal going into RHINO.



The input knob adjusts your input level.

There are three ways you can adjust your incoming signal, they are smooth, normal, and hot.

- **Smooth** creates a gentle high frequency roll off which is recommended for bright instruments.
- **Normal** does not have any effect on your signal.
- **Hot** is an aggressive top shelf from 2K, which can be used to boost your signal if you need extra attack and clarity.

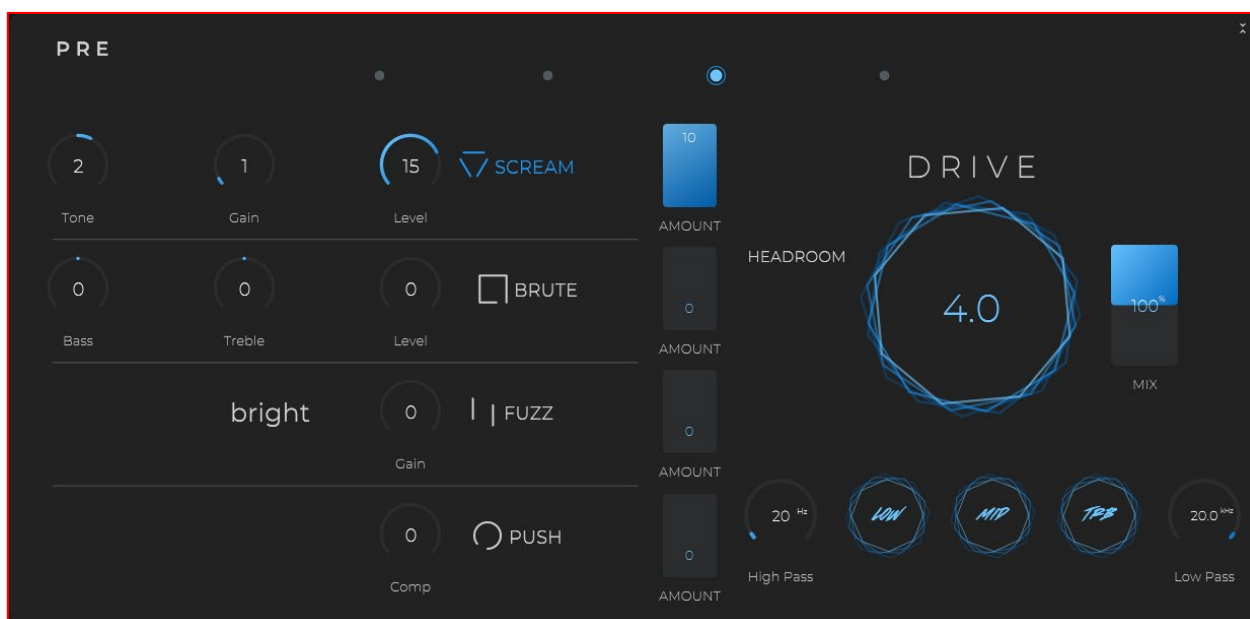
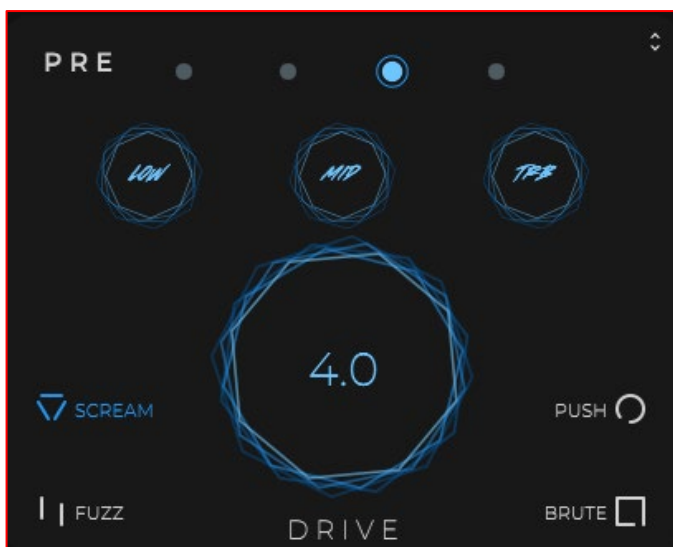
Included in this section is also a **gate** that goes from 0 to -88dB. Use the visual representation of your input signal to adjust the gate to your signal with the attack and release knobs.

Finally, on the bottom, there is a high pass filter. This is your input signal filter that you can use to clean up low end rumble from your signal. You can set it to your desired setting and use the slope to have a more aggressive cut if needed.

PREAMP MODULE

This is where RHINO really begins to shine. Within this module, you have four different preamps at your disposal.

This module has a lot of functionality, so to get the most of it, be sure to click the arrows up in the upper-right to open the expanded view.



The four different preamps are each represented with a color within RHINO, so you will always know which preamp you are working with.

- **Red** (Rivera Knucklehead) is the most versatile of the four, allowing for clean and crunchy style tones, especially when boosted. The Bright mode can add air and sparkle if you need it.
- **Yellow** (Cornford Roadhouse 30) can handle your tube distortion, suitable for all different types of modern rock tones. If you need more gain and sustain, switch on the Boost mode.
- **Blue** (a modded Mesa Roadster) is probably what you are looking for if hi-gain is what you are after. This one has a heavy bottom with punchy mids that are sure to glue your mix together. The Headroom mode will let you crank up that gain even more.
- **Orange** (Victory Kraken) is the most midrange focused of all the preamps—and is extremely aggressive. This is perfect for helping your leads cut through the mix. The second mode here provides a different voicing for more tone options.

Included in the preamp module is a fully featured pedalboard section. You have:

- **Scream**
 - This is based on probably the most recognizable guitar effect of all time and it will do exactly what you think it will.
- **Brute**

- Do you have an 8-string guitar and find that no matter what you do, it is just too muddy? This is your answer. Brute adds a ridiculous 23dB boost with tweakable bass and treble.
- Fuzz
 - Looking for dirt and noise? Fuzz has you covered. Crank it up and enjoy the wall of distortion.
- Push
 - A compressor for when you want to maintain dynamics in your signal.

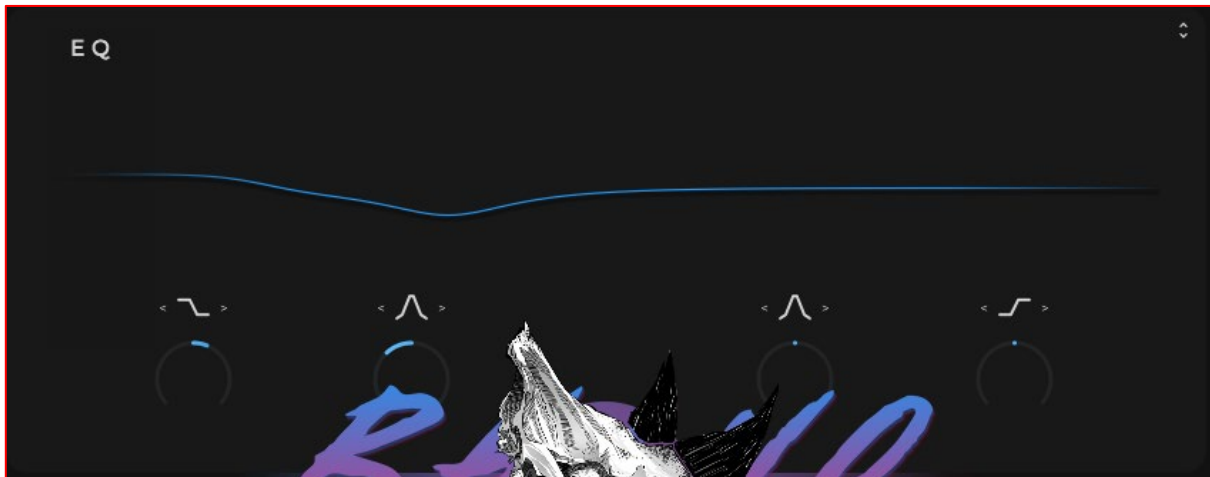
Do not forget that all of these can be run in parallel with each other and that you can control the amount of each pedal in your signal with the corresponding AMOUNT level just to the right of each pedal.

Rounding out the preamp module, you have:

- Second Mode
 - This is where you can select to go between the first or second mode of the four different preamps.
- Drive
 - This is where you control how much drive you want in your signal.
- Mix
 - Use this to control how much of the affected signal you want.
- EQ Section
 - This includes a high and low pass, and three tone pots for low, mid, and treble.

EQ MODULE

With this module, you have robust EQ options available to you right in the plugin chain. Even without expanding to the full view, you can make EQ changes with the knobs at pre-determined problem spots.



To expand, click on the arrows in the upper right-hand corner, and you will be greeted with this view:



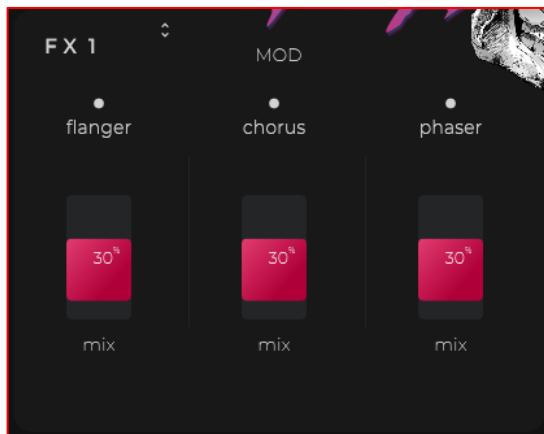
Here you have an expanded view and functionality of all the EQ moves and options that you could be expected to find with any other EQ plugin.

However, to the right, you will see the EQ MATCH functionality. RHINO makes this simple as well. To use the match EQ, follow these steps:

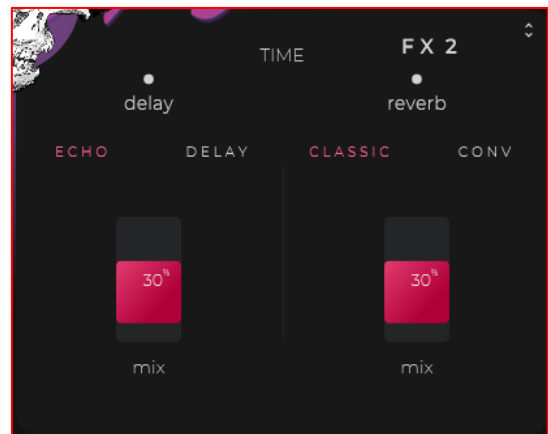
1. Click the "ON" text to engage the EQ module.
2. Click on "Get Tone".
3. Play your guitar or a previously recorded DI with the tone you want.
4. Click on MATCH.
5. Choose which tone you would like: 1, 2, or 3.
6. Select the amount of matching you would like to be inserted into the tone.

EFFECTS MODULES (FX 1 / FX 2)

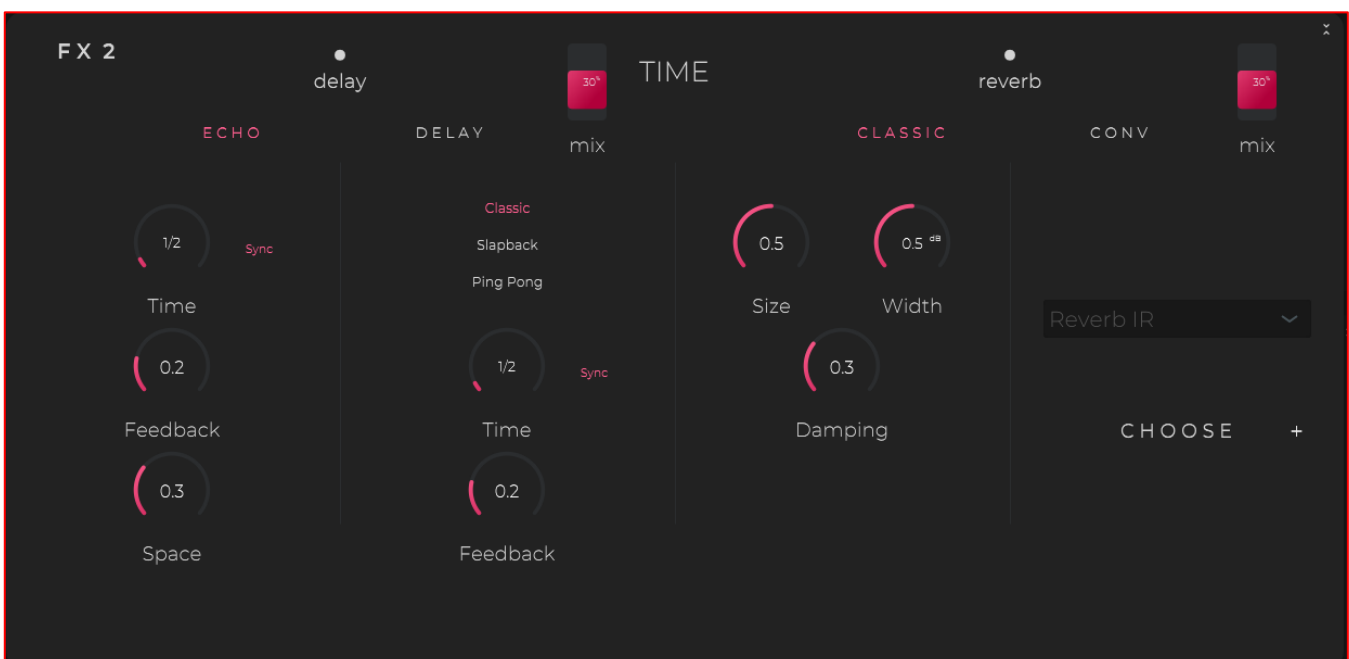
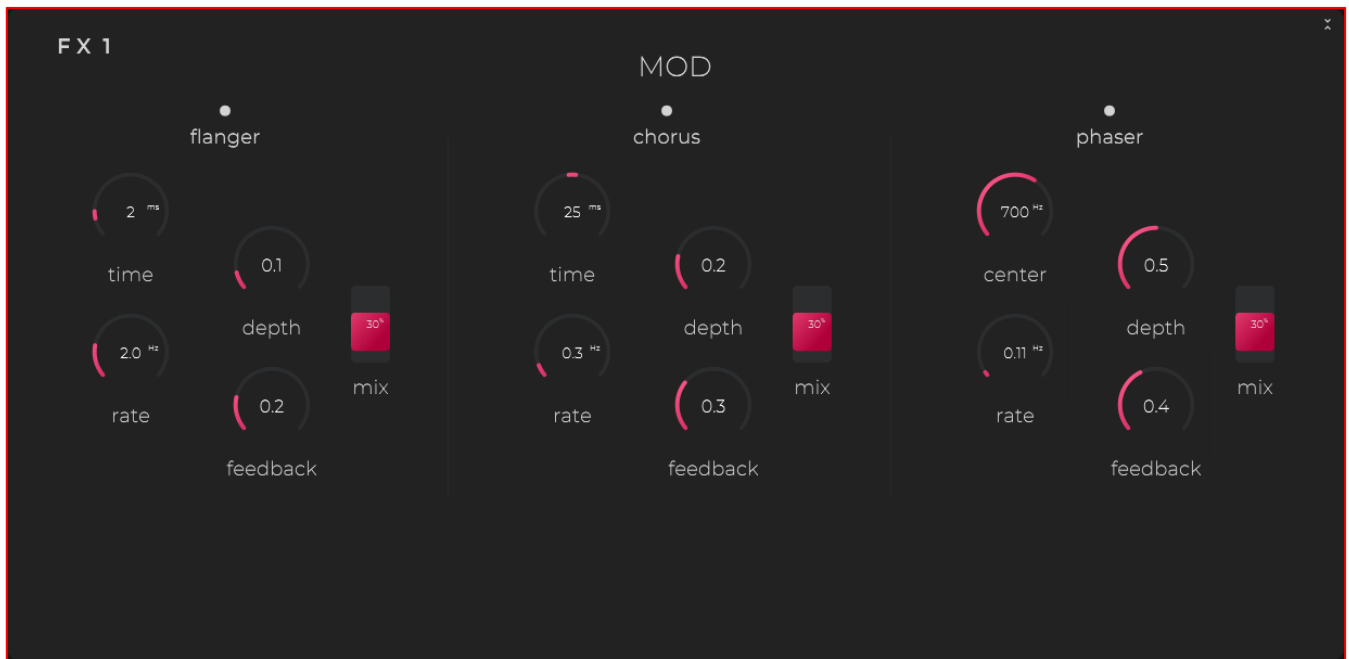
Want to add some reverb, delay, flanger, chorus, or phaser? No problem. RHINO includes all the major effects that you would ever want to use with your guitar—no need to grab an additional plugin!



(FX 1: Flanger / Chorus / Phaser)



(FX 2: Delay / Reverb)



Both expanded effects views offer a wide range of ways to change and manipulate the effects. From time, depth, rate, feedback, to size, width, and dampening—everything you need to dial in the effects of your guitar tones is included within RHINO.

Oh, there is even convolution reverb!

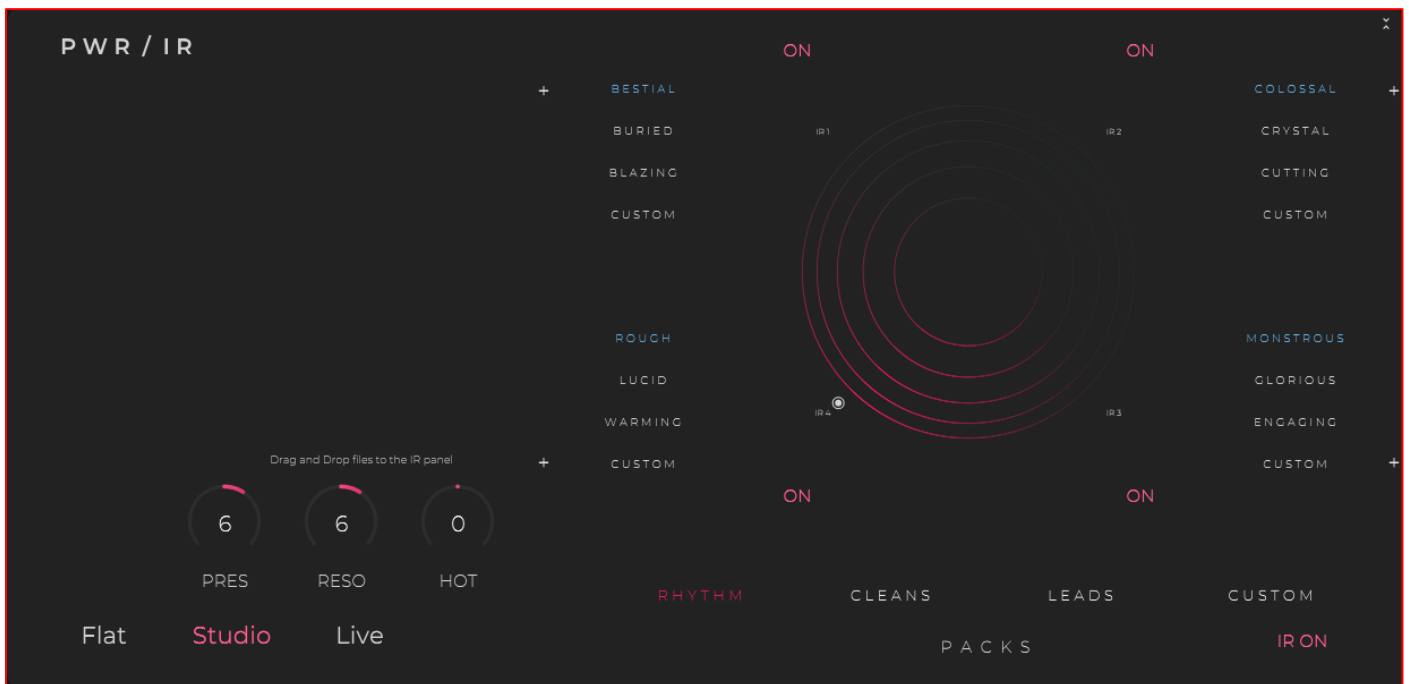
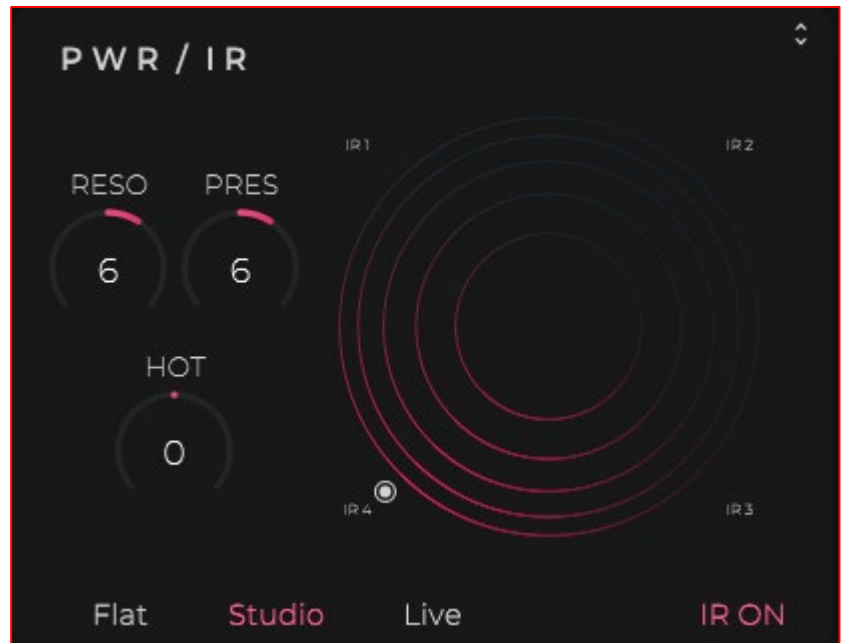
CABINET / POWERAMP MODULE

Another powerful and time-saving aspect of RHINO is our cabinet/poweramp module. This section lets you further define and tweak the sound of your guitar.

As always, click on the arrows in the upper right-hand corner to expand the view.

This module lets you easily adjust the tonal aspects of your guitar tone quickly. This is true because we have taken a new approach to using and selecting impulse responses.

Instead of sifting through 100 different impulse responses with names like SM57_45_1—we simply created logical names for how the impulse responses sound, making it far easier to find a tone.



The expanded view features more customization, including three frequency ranges that can help you take your tone even further:

- Pres
 - Adjust the 8kHz region of your guitars.
- Reso
 - Adjust the 120Hz region of your guitars.
- Hot
 - Adjust the 1kHz region of your guitars.

Just below, you will find flat, studio, and live settings.

- Flat
 - This adds no additional poweramp characteristics—what you hear is what you get.
- Studio
 - This adds a combination of flat and API preamp tonal characteristics.

- Live
 - This has tube poweramp characteristics with less mids and a low and high range bump.

To the right you will find four different impulse response regions, where you can select from different adjectives that describe the tonal quality of the impulse response. You can use one, or all four, and seamlessly drag the microphone position to find a tone that best suits what you are working for.

Lastly, on the bottom, you can select between rhythm, cleans, leads, or custom to have several pre-selected impulse responses tailor made for the type of tone you are looking for.

OUT MODULE

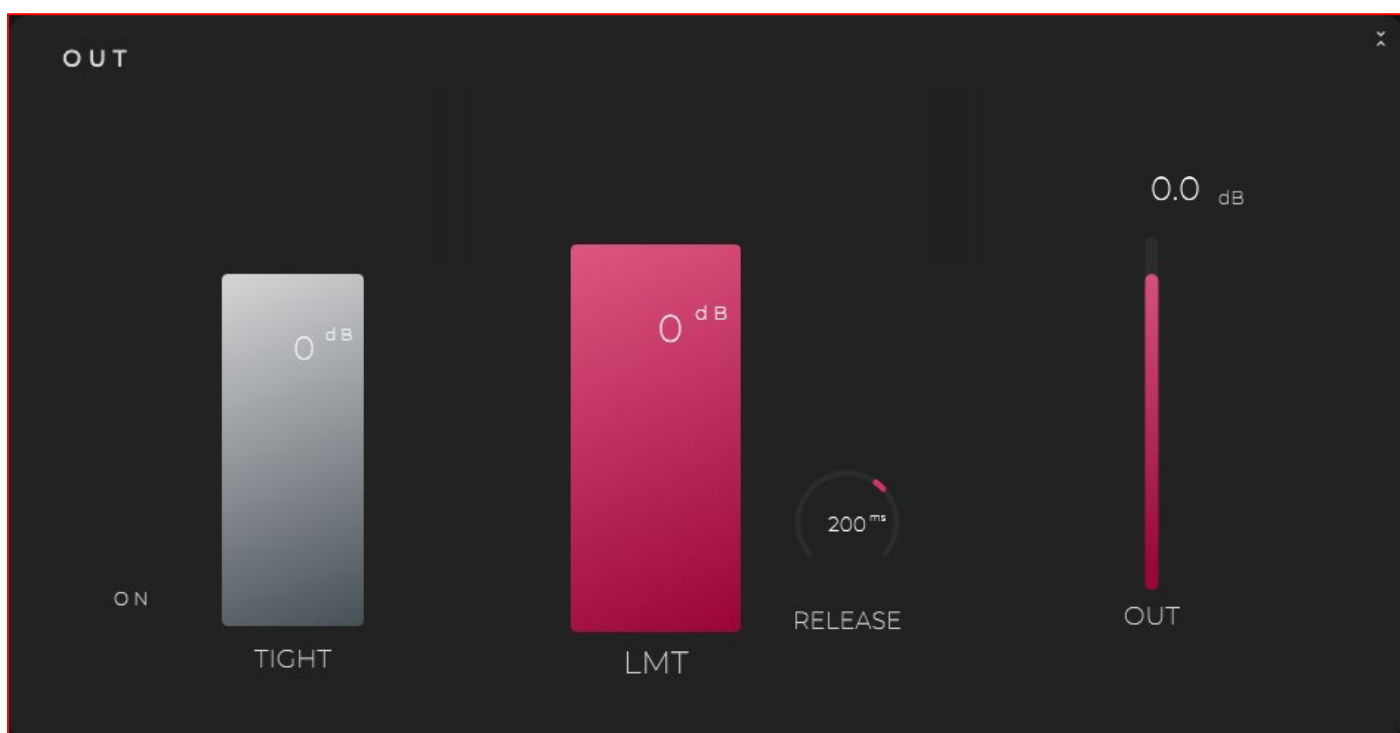


This is where RHINO helps you finalize what you send into the mix. With this module, you can control the output of the entire plugin—again, no need for external processing as it is all right here within RHINO.

In the small view, you can immediately control dynamics with a limiter and our TIGHT functionality.

Tight is a multiband compressor that reduces lower frequencies in the 80-250Hz range.

As you may have guessed, the OUT fader is the final volume signal going into the DAW.



The expanded view allows you to change the release timing of the limiter.

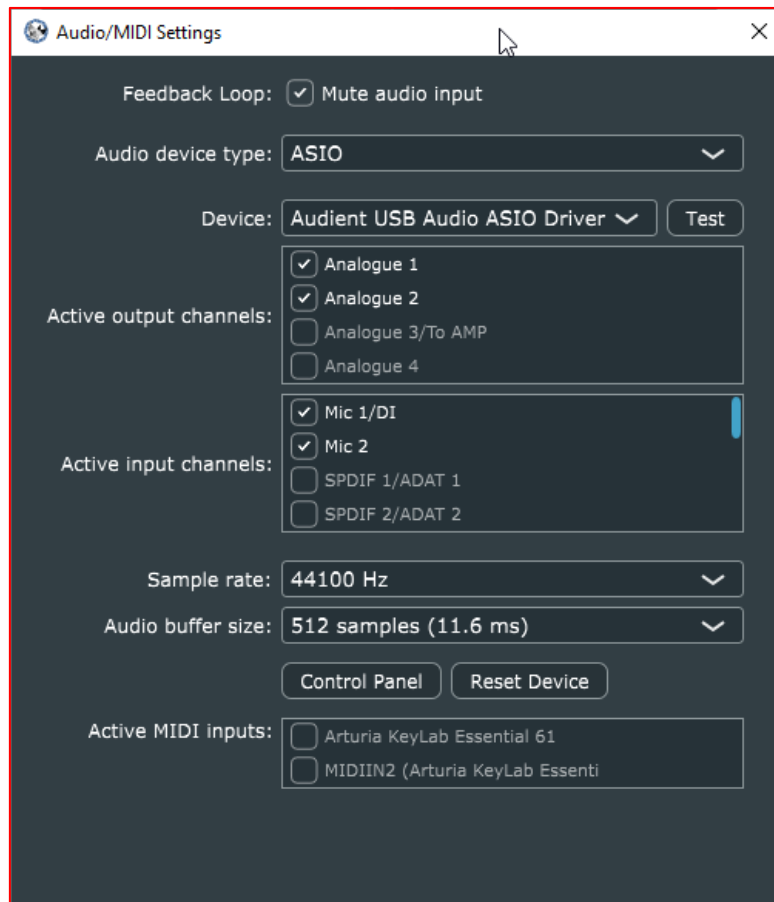
MISC

The toolbar of RHINO has some functionality that you do not want to miss, either.

- **Preset Menu**
 - At the middle of the toolbar of RHINO, you can see the preset drop-down menu. There are several stock presets that you can check out to help you get an idea of what RHINO can do.
 - Additionally, any presets that you save can be found here in the future.
- **Moon Icon**
 - This button allows you to change from a dark to light, or light to dark GUI look.
- **Triangle Icon**
 - This is our built-in tuner—again, no need for any external plugins!
- **Info**
 - This button expands into the center of RHINO, giving you some information as well as the current version of RHINO you are running.

STANDALONE SETTINGS

You can also run RHINO in standalone mode, and all the above-mentioned modules work the same. There is, however, an extra settings menu, and it looks like this:



- Feedback Loop: Mutes/unmutes your audio input.
- Audio Device Type: Select the audio device that controls the input and output of your signal.
- Device: This is your audio device.
- Test: This button passes a sinewave, testing your audio output, ensuring it works correctly.
- Audio Output Channels: Determine the two separate outputs for stereo or mono.
- Active Input Channels: Determine your input channels. If you play by yourself, only one input is needed for stereo monitoring.
- Sample Rate: This is the sample rate your audio interface is operating in.
- Audio Buffer Size: Determines the buffer size and displays the amount of latency for your chosen buffer size.
- Control Panel: This opens your audio device settings.
- Reset Device: Resets all settings back to their default configuration.
- Active MIDI Inputs: Give the option to choose a MIDI device if you were using an instrument that supported this function.