

Welcome to RedClip

A MULTIBAND CLIPPER WITH A STYLE



Supported Formats: VST, VST3, AU, AAX, both Intel and Apple Silicon-based CPUs as well as Native AAX format. It should work on all major DAWs and 3rd party plugin-supported audio editors.



Introduction

Redclip by W.A. Production, crafted by award-winning engineer Emrah Celik, is a versatile clipper with a distinctive sound character. Unlike traditional clippers, which are often limited to simply “clipping” peak points to increase loudness and open up headroom, Redclip offers a range of features that go beyond this basic function. Designed to provide more than just peak clipping, Redclip expands the creative possibilities for audio engineers and producers, delivering enhanced sound shaping capabilities. With this innovative approach, we proudly present the RedClip plugin.

RedClip, with its innovative features, can be used in mixing, mastering, or as a mix bus effect on group tracks. You can manipulate the clipping algorithm as you like, making it a true loudness monster. You can use it subtly, or push the clipping algorithm to its limits to create interesting and powerful sounds. RedClip's ability to work in multiband mode allows you to process the frequencies of a sound through different character clippers. This helps you create the desired sound character, offering creativity that traditional clippers can't match. Let's take a look at how you can use RedClip and why it stands out from other clippers.

Installation

Please close your DAW first. When you download the installation files, double-click the package to install the plugin just like any other application. Start your DAW; it should scan the installed REDCLIP and appear in your plugin list under the W.A. Production brand. Follow the installation instructions specific to your digital audio workstation (DAW).

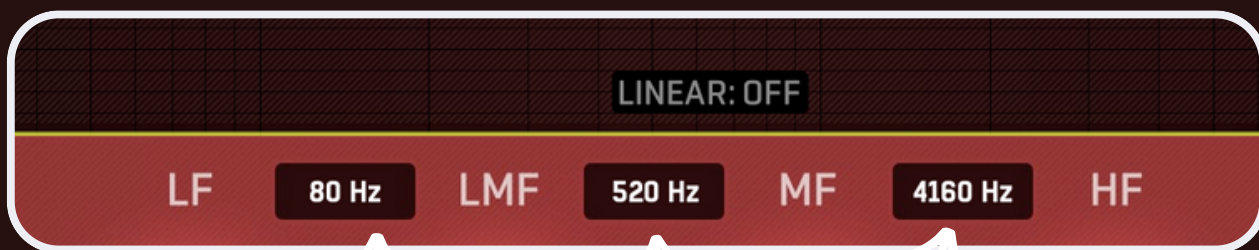
Trial/demo

The plugin will fully function for 14 days. If you have purchased a license please click the “ACTIVATE” icon on the spectrum meter to activate the plugin. Follow the steps.



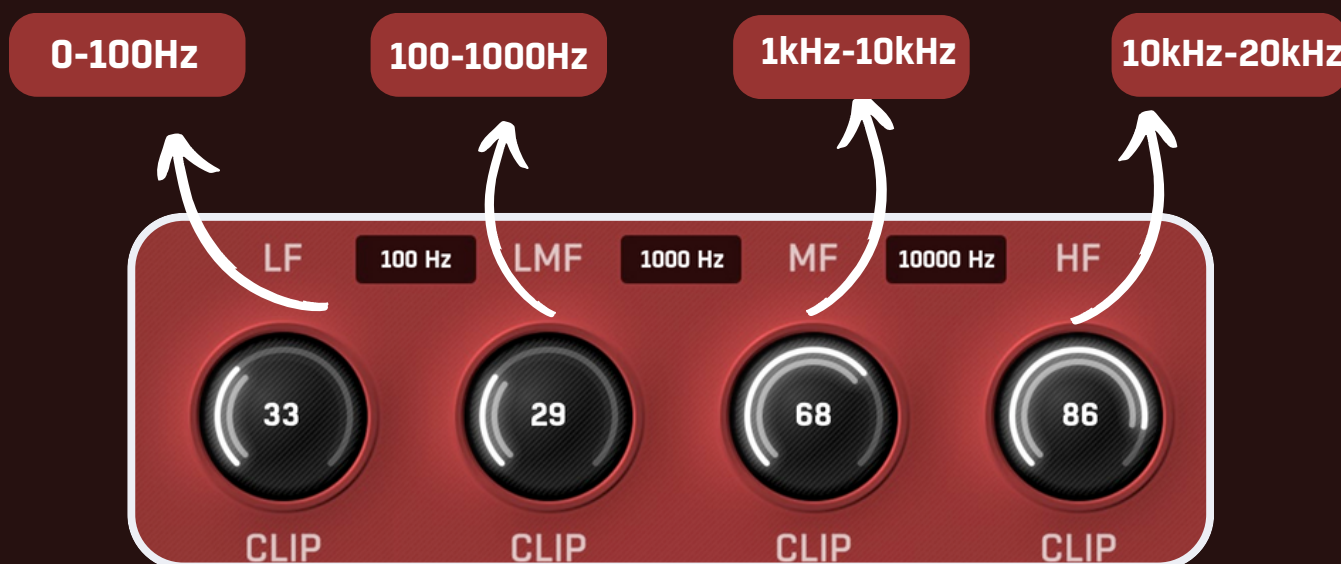
ACTIVATE





Crossover Frequencies

REDCLIP consists of a total of 4 bands, and you can select the desired frequency separations using the crossover frequencies. Simply hover your mouse over the frequencies, click, and drag your mouse up or down to set the frequencies. Alternatively, you can use your mouse wheel to change the frequency ranges and double-click on the numbers to manually enter the desired frequency.



For example, let's say you set the crossover frequencies to 100, 1000, and 10,000 Hz. In this case, the first clipper knob will affect the 20-100 Hz range, the second clipper knob will affect the 100-1000 Hz range, the third clipper knob will affect the 1000-10,000 Hz range, and the fourth clipper knob will affect the rest, 10,000-20,000 Hz range.

Linear Phase Mode

By default, Redclip's crossover filters operate in minimum phase mode and are 6 octaves per band. The **LINEAR PHASE** button allows the multiband crossover filters to operate in linear phase mode. Use this feature if you want the multiband algorithm to work in a linear phase during mixing, mastering, or on the mix bus or as you wish. Linear Phase mode makes the Band processors operate more steeply in terms of volume adjustment. Linear mode adds extra +/- 69ms latency on top of the default 5 ms latency of Redclip, measured at 24 bits, 44.100kHz sampling rate.

Clip Knobs

The Clip knob determines how much “classic” clipping will be applied to the frequency affected by Redclip. To apply more clipping, you can turn the knob further. These knobs work completely in parallel under the hood. Don't be afraid to turn it to the maximum, as it is tuned to continue working in parallel even at the highest setting.



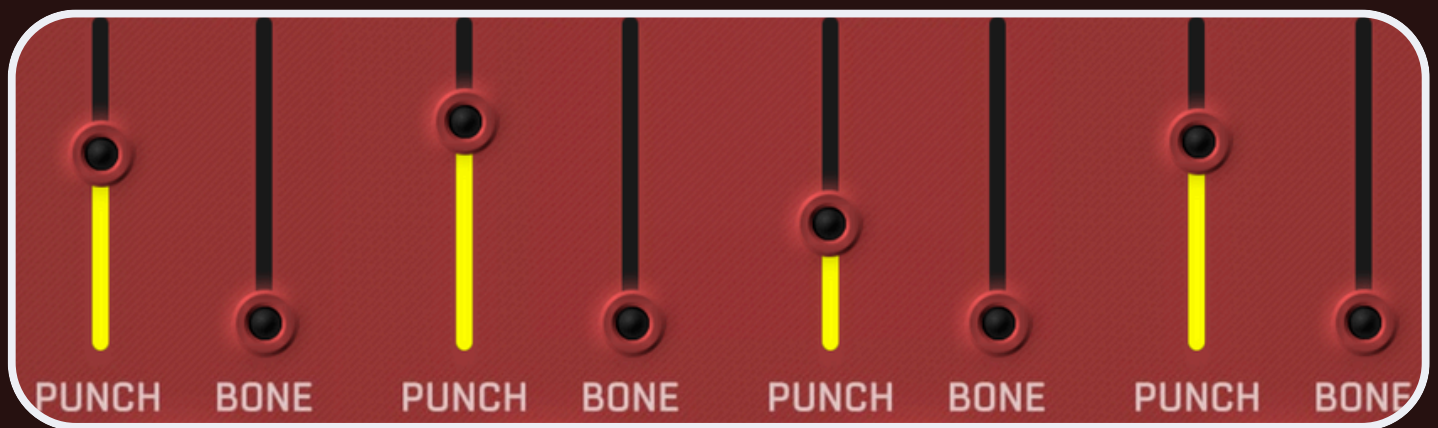
FAT Knobs

There's a reason we call these knobs FAT. They add FAT or MEAT to the frequency they affect. Under the hood, they change the transfer curve of the clipping algorithm, allowing for a gradual and smooth clipping effect. It's important to note that this is different from applying **soft or hard clipping** because it actually applies a ratio between soft and hard clipping. In short, it starts with soft clipping up to a certain point and then transitions to hard clipping. Combined with the parallel-working main clip knob, this creates a significant character and adds richness to any frequency or sound you apply it to.



Punch Sliders

The PUNCH slider is an interesting feature that positively affects the character of Redclip. It enriches the incoming sound with odd harmonics before sending it to the clipper algorithm. In short, it slightly rounds off the transients of the sound before clipping, softening the harshness of the clipper. There's another bit of magic here: before the sound enters the PUNCH algorithm, it is lightly compressed. After being enriched by the PUNCH algorithm, the initial compression is removed, and then the sound is sent to the clipper. This may sound a bit complex, but we developed this algorithm by analyzing the input and output relationships in analog systems. In summary, you can use PUNCH to apply more stable, punchy, and rich clipping. Everything depends on your creativity.

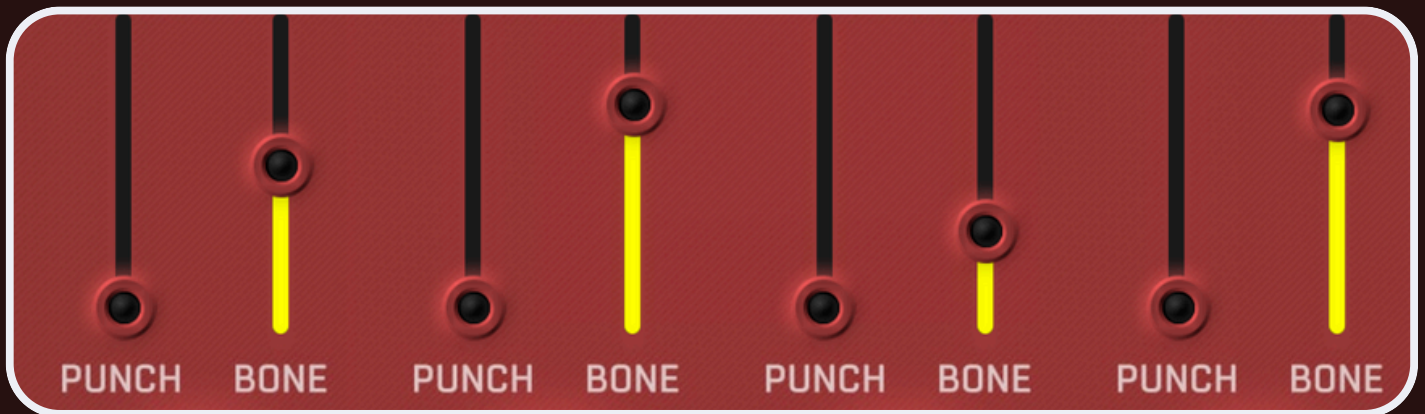


Here is how it works

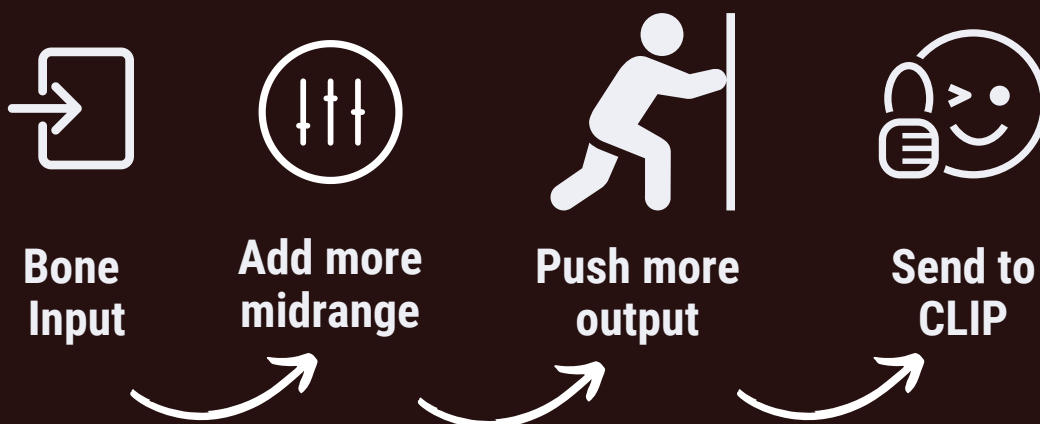


Bone Sliders

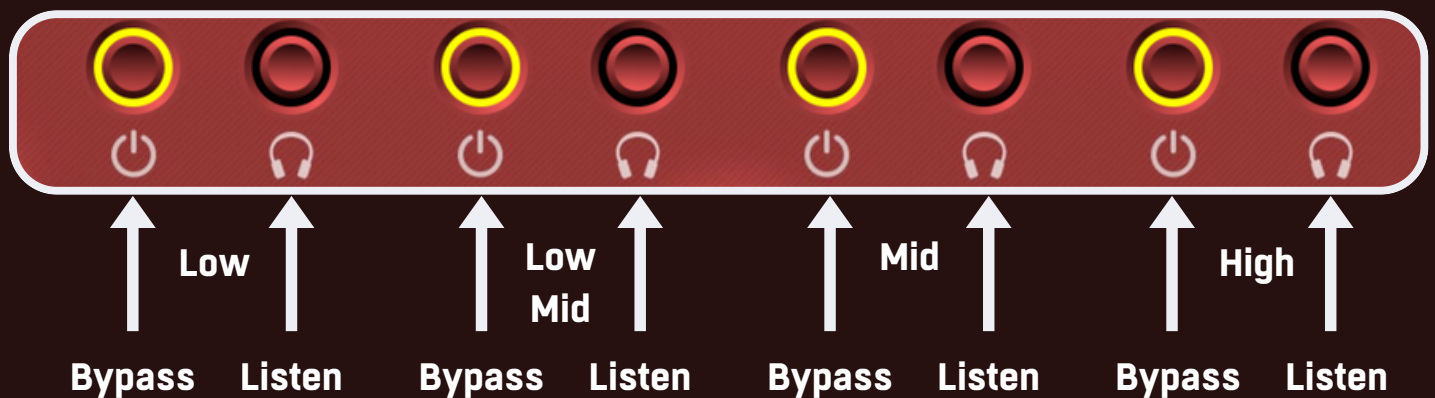
The name of the "BONE" sliders comes from the sound character they add or enhance. In short, you can use these sliders to make the sound feel more "robust." Whether you want to add more body to the sound or push the limits of clipping, BONE will be very helpful. For those curious about what's happening under the hood, this slider boosts the midrange region of the band signal entering the clipper, allowing more midrange signal to be sent to the clipper. This results in a more robust clipping sound. That's why we call this knob "bone." Imagine thickening and strengthening a person's bone mass; Bone adds a similar character to the sound.



Here is how it works



Solo Listen and Band Bypass Switches



Solo listen buttons are very useful when you want to isolate and listen to the frequency range you are working on. You can listen to the specified frequency range solo. For a sharper separation, you can temporarily activate the **LINEAR MODE** and perform the listening. You can also use the on/off switches to bypass the process you've applied to any desired band.

Dry/wet Knob

The dry/wet knob is self-explanatory. It allows you to blend the clipped signal with the unprocessed signal, enabling parallel processing. This knob will be very useful when you need to adjust the amount of clipping applied. At 100% it's a completely WET signal, at 0% it's a completely DRY signal.

Input Knob

The INPUT KNOB might seem simple, but it significantly affects how RedClip operates. By increasing the incoming signal with this knob, you can apply stronger clipping. When the LIMITER is on, you can achieve frightening levels of loudness.

Output Knob

The OUTPUT KNOB is the last processor in RedClip's routing. With this knob, you can set the **"True Peak Ceiling"** if the limiter is on. It also allows you to balance the input and output signals when you don't want to use the auto-gain compensation feature.

Other Controls

Presets: You can select pre-made presets or save your own categories and presets here. Use back and forward arrows for quickly switching between presets.

Reset: Resets main parameters to their default settings. **Please note:** when you click it, you cannot take the action back. It simply resets all parameters.

AGC: This is a continuous Auto-Gain Compensation feature. It will calculate the input level for about 1000 ms and apply negative gain to compensate for the level differences.

Oversampling OFF 2X 4X 8X: Activates 2, 4 or 8 times linear oversampling. This will increase CPU usage. For more accurate clipping and avoid aliasing you can activate the desired oversampling.

ON/OFF: This button bypasses the plugin.



LIM: The limiter switch is one of the key components of RedClip. When you actively use this switch, it prevents the sound from exceeding the level set by the OUTPUT knob. RedClip's limiter is finely tuned to work seamlessly with RedClip and can be used during mastering. It effectively prevents **True Peaks** to a great extent.

COPY, A, B, UNDO, REDO: These are self-explanatory controls for testing 2 different settings or undoing/redoing actions. Copy one setting to another or to test 2 different settings. **Please note:** when you click the **Reset** button, you cannot UNDO or REDO. It simply resets the entire state of the plugin by design.

Links

Website: <https://www.waproductio.com/>

Technical Support : <https://waproduction.zendesk.com/hc/en-us/requests/new>