GAIN REDUCTION
DELUXE

JST

Gain Reduction Deluxe

Thank you for purchasing Gain Reduction Deluxe, the update to my signature vocal compressor plugin. When I sat down to design this plugin, I wanted to create something simple and effective that not only serves as a work horse in the mixing environment but also provides a creative mixing experience for the mixing engineer. I also wanted to create a useful tool for musicians and vocalists who would like to spend more time on performance and less time on mixing. My aim was to create a vocal sound unmatched by similar plugins on the market while providing the "in your face" sound that you'd expect from one of my vocal mixes. I feel that I have not only achieved these goals but also opened the door way to a new world of vocal dynamics that many may be afraid to explore. Now I have improved that original design and added some very desired features. Fear no more, let your vocals stand out! Let your voice be heard!

Joey Sturgis

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Installation

Installing Gain Reduction Deluxe is very simple. There are two install types, one for Windows and one for Mac. Each installer contains both 32 bit and 64 bit versions of all applicable plugin formats for both platforms.

Windows

Locate the setup exe file and double click it to begin the installation
Step through the installer and be careful to read each step and provide desired options

Macintosh

Locate the setup dmg file and double click it to mount the installer image
This will create a new virtual drive in your Finder, open this drive and run the package
Step through the installer and be careful to read each step and provide desired options

Both installers will ask you which folder location you'd like to install 32 bit and 64 bit plugins respectively. You may also choose which plugin formats you'd like included with your install.

The formats that are available for Gain Reduction Deluxe are:
- VST2
- VST3
- AU
- RTAS
- AAX

Controls

The controls for Gain Reduction Deluxe were designed so that you'd use your ears to make adjustments. I did not want the user to be caught up in attack or release timings and compression ratios. Instead, I've encompassed these types of controls into some simple creative controls that will allow you to make adjustments based on hearing and feeling. The giant meter displays the amount of gain in dB that is being reduced by the compressor.

On (On or Off)

This will power the entire module on or off. This is practically the same as your plugin bypass function in your DAW.

Slay (0% to 100%)

This controls the amount of compression applied to the input signal. When this is set to 0%, you will notice no compression. With a setting of 100% you will be experiencing maximum compression. The compression threshold is pre-set and a side chain with a high pass is applied before reaching the compressor's input so that the compressor ignores bass frequencies which is an integral part of the plugin's sound. The default value is 100% indicated by a visual marking on the backplate.

Body (-10 dB to 0 dB)

This controls the the frequency tilt after the compressor. "Body" allows you to work with the bottom end of your output signal after compression. You might want less body due to the natural build up of the bottom end that can occur with aggressive compression. This can also be used to help combat the proximity effect. The default value is -3 dB indicated by a visual marking on the masking tape label above the fader.

Gain (0 dB to +36 dB)

This provides your make up gain while simultaneously feeding an output saturator which prevents the signal from clipping while also providing some tasteful distortion. You'll notice most of the distortion occurs past the marking located at the knob's default position. I think you'll find that you'll also want to lower the body as you increase your saturation, but it greatly depends on your input source! The default value is +27 dB indicated by a visual marking on the backplate.

Lofi (On or Off)

This switch provides a compressed lofi sound which is very useful in productions and mixes. I've put this in a specific place within the internal chain to provide a compressed smoother lofi sound than what you'd get with just post-eq. I think you'll also find my eq choice to be tasteful for this type of effect!

Controls (continued)

Input (-96 dB to 24 dB)

This control allows you to adjust the amount of gain coming into the plugin which will allow you to better control how hard you are hitting the internal threshold of the compressor. The default value is 0 dB for no adjustment.

Mix (0% to 100%)

This knob controls the balance between the original unprocessed signal with the final compressed signal, much like a parallel compression setup would do. The default value is 100% for only compressed signal on the output.

Meter Mode Switch (IN, GR, and OUT)

This switch sets the mode of the meter which changes its display. The IN mode causes the meter to display the volume level of the incoming signal. The GR mode causes the meter to display the amount of gain reduction being applied to the signal, and the OUT mode causes the meter to display the dB level coming out of the plugin.

Functions

The controls have some additional functionality and alternate ways of interacting with the controls via the following methods:

- Double Click / Right Click
  - This allows you to manually type in a number value for the control point
- Control or Command + Click
  - This allows you to reset the control point value back to default
- Shift + Click
  - This allows you to have a finer mode of control over the control point
- Right Click (VST3)
  - This allows you to access the automation menu supported by the VST3 format
- GR masking tape
  - Clicking this will display the "About Screen" which contains useful information for troubleshooting or technical support issues

Credits

Gain Reduction Deluxe is a product of Joey Sturgis Tones
Concept, Design, and Prototype by Joey Sturgis
Programming by Boz Millar
Additional Artwork by Morgan Hendricks

Special Thanks:
Kristen Woutersz

Dedicated to my family who allowed me to pursue my dreams and accomplish my goals.

All support for issues directly related to Gain Reduction Deluxe may email support:
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