



d16 group
AUDIO SOFTWARE

Product Overview

Redoptor 2 v2.2.2

Contents

Key Points	2
Vintage Tube Distortion effect	2
Dynamics, your way	2
Parametric EQ	2
Overview	3
Completely adjustable prefilter	3
Tame Those Dynamics	3
Character as Unique as you are	3
The Tone Hunter’s Dream EQ	3
Exacting circuit emulation	4
More features	5
System requirements	6

Key Points

Vintage Tube Distortion effect

Precisely modeled tube distortion module capturing the sensitivity, warmth, and character of real tube saturation found in analog circuits.

Dynamics, your way

A compressor before the gain stage lets you shape the tube circuit's response, and a master output limiter tames your fiercely distorted sounds.

Parametric EQ

4-Band parametric equalizer provides unparalleled control over your overdriven tones.

Overview

Redoctor is a high-quality Vintage Tube Distortion emulator.

The organic sound of a tube amplifier being pushed into breakup has been the gold standard for as long as musicians have been experimenting with overdriven and distorted tones.

The gentle, natural compression and rich blend of even and odd harmonics produced by analog tube circuitry makes any signal feel more powerful, punchy, and alive. Unlike solid-state transistor and fuzz circuits which only produce odd harmonics and limit the incoming signal in a subjectively unnatural and unresponsive way, Redoctor smoothly responds to the dynamics of the source material, just like a real tube amp. This means that loud signals get saturated with more crunch and delicious harmonics, then return to their clean state gradually as their release tail decays. This enables dynamic, sonically pleasing distortions.

Completely adjustable prefilter

Redoctor expands on classic tube guitar amplifier circuitry by offering total control of the preamp's frequency range. The high and low cutoffs have optional insert points (before or after the signal is processed) allowing for incredibly versatile sound shaping – from sending lo-fi signals into shredded chaos to full-spectrum tone thickening, it's really up to you.

Tame Those Dynamics

We added two studio essentials for creative gain-staging.

Pre-gain compressor module providing even more freedom to sculpt your magnum opus within the Redoctor 2 sandbox. The preliminary compressor reins in peaks, lifts valleys and adds punch to your signal before it hits the highly responsive distortion stage.

The master output limiter tames leftover spikes, polishes your signal and kisses its forehead before sending it on its way.

Character as Unique as you are

Saturation plugins often suffer from thin, metallic overdrive, flat responses and laminated tones. Redoctor perfectly emulates the behavior of classic hot-rodded tube guitar amplifier circuits, allowing it to sound just as good as its real-world analog ancestors.

The Tone Hunter's Dream EQ

While many typical amplifiers and emulations rely on a fixed graphical EQ offering limited controls, Redoctor features a powerful parametric equalizer with independent gain and frequency control for all 4 bands, allowing you to "hunt" for peaks in your audio, and surgically hush them or shove them into the stratosphere!

Exacting circuit emulation

In addition to its spot-on modeling of hot vacuum tubes being pushed into glorious, creamy distortion, Redoptor packs several features that allow it to accurately mimic the behavior of complex analog circuit components in all their interactive, complimentary glory. Every individual element of the plugin's signal chain was designed to capture & recreate the quirks and subtleties of proper high-quality analog tube distortion. Additionally, Redoptor's adjustable tube bias parameter adds subtle amplification of even harmonics and gentle transient reshaping - an extra smattering of grease between your 1's and 0's.

More features

- **Screen fit**
Several UI sizes and HiDPI support for better screen fit
- **MIDI Learn**
For easy controller assignment

System requirements

- (i) 32-Bit architecture means the product is appropriate for host applications working in 32-Bit mode. 64-Bit means compatibility of the product with 64-Bit host applications.
- (ii) Hardware requirements / recommendations are based on estimates performed on available computers at D16 Group HQ, and therefore cannot cover all possible configurations available on the market. CPU usage may vary widely depending on the manner in which the product is used. Factors that may contribute to variance in CPU usage include particular patch and its complexity, the global quality setting, project sample rate. In order to form a better understanding of how a plug-in will behave within your current setup, we highly recommend downloading the demo and giving it a try.
- (iii) This product is not a standalone program so you need a host application to use it.

Windows

OS version	Windows 7 - Windows 11
Architecture ⁽ⁱ⁾	64-Bit, 32-Bit
CPU ⁽ⁱⁱ⁾	Intel x86 / AMD x86
Software ⁽ⁱⁱⁱ⁾	VST2 / VST3 / AAX compatible application
Sample Rate	≥ 44.1 kHz

MacOS

OS version	10.13 - 14
Architecture ⁽ⁱ⁾	64-Bit
CPU ⁽ⁱⁱ⁾	Intel x86 / Apple Silicon
Software ⁽ⁱⁱⁱ⁾	VST2 / VST3 / AAX / AU compatible application
Sample Rate	≥ 44.1 kHz