

# VEEDEES

## 1216



## A VOCAL DEESSER

# 1 WHAT IS THE VEEDEES?

The VDS is a plugin designed to reduce sibilant consonants present in human voice. Phonemes like "S", "Z", "SH" and similar sounds tend to "stick out" from recordings, especially when the voice has been EQed to be very "bright" and "present".

Why "esses" are so hard to tame?

Sounds generated by front teeth of a singer have the same energy despite the "loudness" of a performance. A singer can shout or whisper and yet the "esses" will be at the same volume! This trait makes them really hard to process; plain wide-band compressors are incapable of catching the ultra fast bursts of energy in the upper mids region - at least not without attenuating everything else...

Enter the deesser.

A deesser is a special type of compressor that reacts only to high frequencies. The sibilants can be attenuated while the main body of a vocal performance is unaffected. The VeeDeeS is calibrated to attenuate everything above 3kHz.

## 2 CONTROLS



	DESCRIPTION	VALUES
ATTACK	How quickly the compressor reacts	Steps: 1, 2, 3, 6, 10 ms
RELEASE	How quickly the compressor resets itself	Steps: 40, 50, 60, 70, 80 ms
SENS	How aggressively the compressor operates	Continuously from 0 to -40 dBFS

## 2.1 ATTACK AND RELEASE

This knob controls how quickly the deesser reacts to sibilants and how quickly the it will return to the initial, idle state. Since every vocalist and every performance is different, different times of reaction may need to be dialed in for the most transparent results.

## 2.2 SENSITIVITY

This knob determines how aggressive the compressor is. Turn the knob CW until desired amount of compression is achieved.

***TIP: The perfect deessing is inaudible! If your vocalist sounds like she has her teeth removed or has a lisp or simply sounds dull - you overdid it. If you remove harsh, ear piercing sibilants but still find the vocal "clear" and "crispy", you probably have the controls dialed in just right***

## 3 GAIN REDUCTION METERS



The Gain Reduction indicators consist of a VU meter and two LEDs.

The VU meter shows **approximate** gain reduction. The yellow LED lights up when "small gain reduction" is applied, the red LED lights up when "big gain reduction" is applied.

***TIP: try setting up the controls so each time a sibilant is audible the yellow LED flashes. It is ok to have the red one flash on some extremely loud passages but if it is lit up all the time, you compress too much. But you probably hear it anyway... :)***

***TIP: you will quickly notice that each vocalist has some sibilants quieter and some louder. For instance, he/she may sing "z" with different energy than "sh". Set up the VDS so the quieter "z" lights up the yellow led and louder "sh" lights up the red led***

***TIP: try using the plugin on drum groups, acoustic guitars or slapped basses to control harsh frequencies while leaving the body intact***

## 4 CREDITS AND THANKS

The VeeDeeS reuses code and graphic resources generously shared by **Antress**. If you have not met this brilliant creator yet, visit his page and enjoy tons of great free VSTs:

<http://antress.blogspot.com/>

A very special "thank you" goes to Christian-WBudde for his great VST Plugin Analyzer.

<http://www.pcjv.de/>

## 5 CONTACT

I hope the VeeDeeS serves you well. Please give me your feedback here:

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<https://www.facebook.com/viperitb/>

Find my other plugins here:

[http://vst4free.com/index.php?dev=Viper\\_ITB](http://vst4free.com/index.php?dev=Viper_ITB)

I will be very happy to hear what you do with my tools and how they sound in your songs. :) Have fun!