



# Sheen Machine

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## User Guide

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# Contents

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- 1 Welcome** **1**
  - 1.1 About This Product . . . . . 1
  
- 2 Sheen Machine** **2**
  - 2.1 Introduction . . . . . 2
    - How It Works . . . . . 3
    - A Note About Latency . . . . . 4
  
- 3 Conclusion** **5**



## 1.1 About This Product

Sheen Machine is a purpose-driven tool for adding smooth and airy high-end to sound sources without introducing the high-frequency harshness often generated by a traditional high-shelf boost. Using Eventide's patented STRUCTURAL SPLIT™ technology, Sheen Machine provides a simple solution for resolving complex problems often introduced when adding "sheen" to a signal.

Sheen Machine incorporates Eventide's patented STRUCTURAL SPLIT™ technology to split the incoming audio into TRANSIENT and TONAL signals: the rapidly changing parts of the input signal are identified as TRANSIENT, while the remaining, sustaining elements are considered TONAL.

## 2.1 Introduction

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The plug-in window for Sheen Machine contains the following controls:

<b>BYPASS</b>	Bypasses the plug-in. When bypassed, sheen is not applied to incoming signal.
<b>SHEEN</b>	Controls the amount of tonal high-end (sheen) to apply to the incoming signal. Leftmost knob position applies no sheen to the incoming signal whereas the rightmost knob position applies maximum amount of sheen to incoming signal.
<b>GAIN</b>	Sets the output volume of the plug-in, with a range of -60dB to +12dB.
<b>INFO (I)</b>	Opens a drop-down menu with various help topics and settings. <ul style="list-style-type: none"><li>• <b>User Guide</b> - Opens this document.</li><li>• <b>Webpage</b> - Launches the Sheen Machine webpage.</li></ul>
<b>REDO</b>	The REDO button reverses the last undo command, if any. Pressing this button multiple times will move you forwards in the plug-in's state history.
<b>UNDO</b>	The UNDO button undoes the last change, and restores the plug-in to the previous state. Pressing this button multiple times will move you backwards in the plug-in's state history.

## How It Works

Using Eventide's patented STRUCTURAL SPLIT™ technology, Sheen Machine operates two parametric EQs in parallel: one for the TRANSIENT signal, and one for the TONAL signal. As the SHEEN knob is adjusted, high-shelf EQ curves with differing amounts of gain are applied to the TONAL and TRANSIENT signals, enhancing and emphasizing the tonal high-end qualities of the incoming signal.

By separately processing the TRANSIENT and TONAL signals, Sheen Machine offers a cleaner and more intuitive approach to solving certain tonal high-frequency problems. This is useful because many tough EQ problems can be formulated as "I want to do X without doing Y." For example, Sheen Machine can easily add an "airy" quality to vocals without introducing transient harshness that a traditional high-shelf boost might. Sheen Machine's surgical approach makes it the perfect solution for adding high-end sheen.

## A Note About Latency

In order to effectively separate the incoming audio signal into TRANSIENT and TONAL audio streams, the STRUCTURAL SPLIT™ keeps a small running history of the audio signal. This introduces latency, which is expected.

Most modern DAWs will compensate for such latency, so Sheen Machine will not audibly delay the audio signal in your sessions. However, due to this inherent latency, Sheen Machine is not intended for real-time use during tracking or live performance.

Sample Rate (Hz)	Latency (Samples)
44,100	3,592
48,000	3,592
88,200	7,176
96,000	7,176
176,400	14,344
192,000	14,344

We hope you enjoy the Sheen Machine plug-in and put it to good use in all of your mixes. Please be sure to check out Eventide's other native plug-in offerings for more unique and interesting effects.

For further questions or support, head over to the [user forums](#).