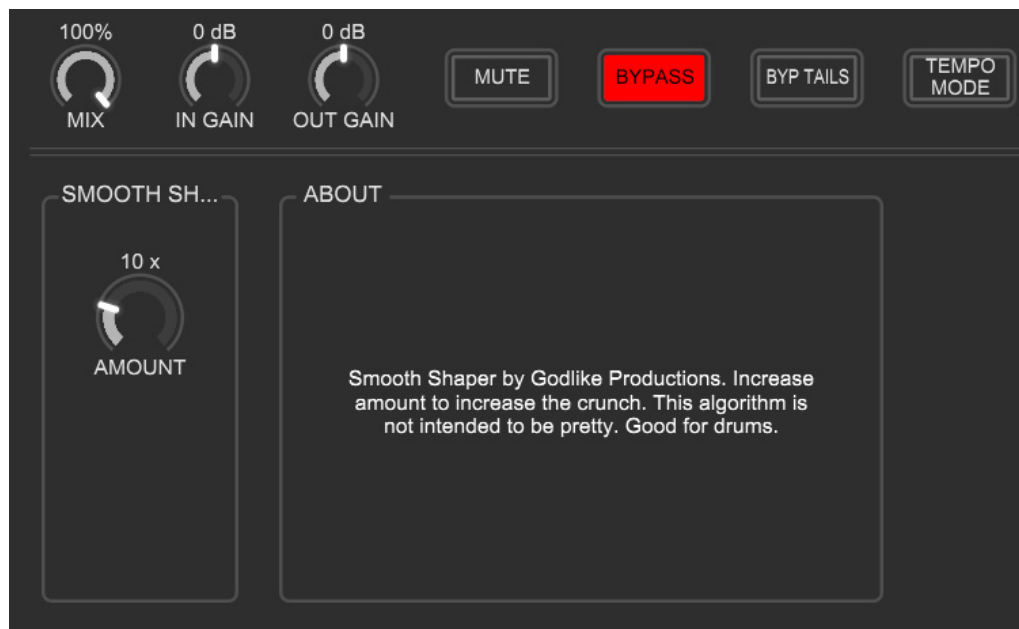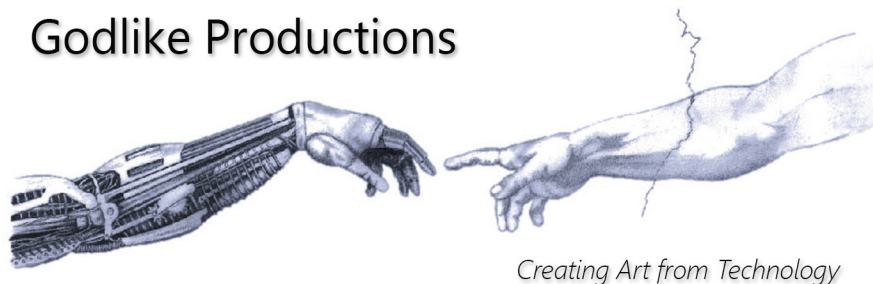# Instruction Manual

## Smooth Shaper



## Godlike Productions



*Creating Art from Technology*

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## Caution

Ensure you have backed up all algorithms and other data of your H9000 prior to use of this product. You use these algorithms, chains, presets, sessions and/or other content entirely at your own risk and to all extents allowable under the law of Western Australia, Godlike Productions is not liable for loss of damage, direct, consequential or otherwise.

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# Getting Started

This manual is for a custom algorithm for the Eventide H9000 available at https://godlike. com.au/index.php?id=420. The Smooth Shaper algorithm can be downloaded either as an algorithm that you can import from a USB drive (FAT32 formatted) onto your H9000 from the front panel, via Emote, or that can be uploaded via VSIG 3.3.3 or later.

There will also be a copy of this manual in PDF format. If you lose your copy of the files, please contact us at https://godlike.com.au/index.php?id=contact and we will be happy to send you another copy, or re download the algorithm from the link above. This manual will be available within the zip file.

## Installation and Activation

### Method 1 - Install from USB

- Unzip the Algorithm and any presets. Copy Smooth Shaper_2961817591.9ka as well as the .9kp files to your USB drive and insert into your H9000.

- Long press the front panel Save/Import button; the Load Options screen will appear.

- Use the cursor up/down buttons or the wheel to navigate to Algorithms and press the Enter Key.

- Use the cursor up/down keys or wheel to select the Smooth Shaper algorithm and then press the SELECT Key.

- If you do not wish to load presets, then you can use this algorithm as is. If you wish to use the presets, you will need to repeat this proceedure until this algorithm appears as algorithm 10130, or you can install it and use our H9000 Preset Tool to renumber your Presets to the location where you have installed this algorithms. If you have installed to 10130, copies at lower numbers can be safely deleted using Emote (see below).

- After you have used the Preset Tool, open the .9kp files from your USB drive using the same procedure.
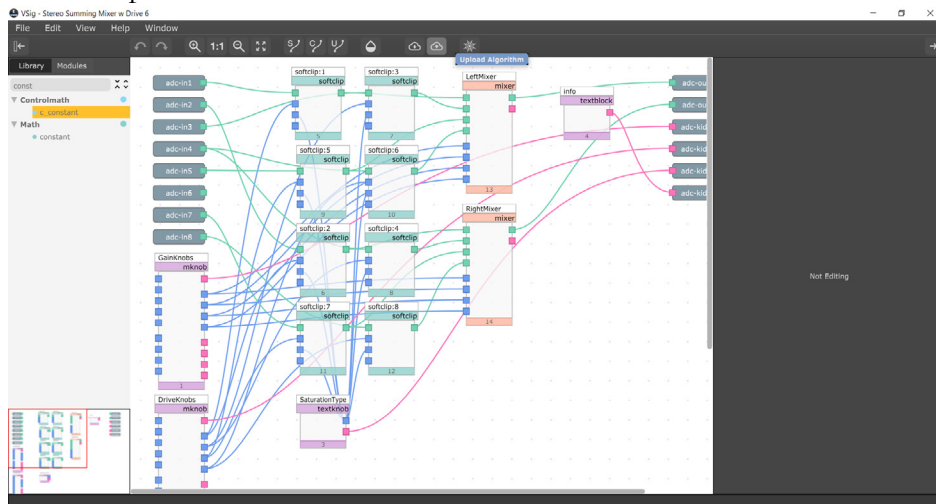
## Method 2 - Install from Emote

- Unzip the Algorithm and any Presets.

- In Emote, select Algorithm -> Import

- Navigate to the unzipped Smooth Shaper_2961817591.9ka file and press open.

- If you do not wish to load presets, then you can use this algorithm as is. If you wish to use the presets, you will need to repeat this proceedure until this algorithm appears as algorithm 10130, or install it, and then use our H9000 Preset Tool.

- You can safely delete lower numbered algorithms used to bump this to 10130 by right clicking on the lower numbered algorithm and selecting Delete. Continue doing this until the only copy of Smooth Shaper is the one loaded into slot 10130.

- To load the presets select Preset and then Open. Navigate to the .9kp preset files and press Open.
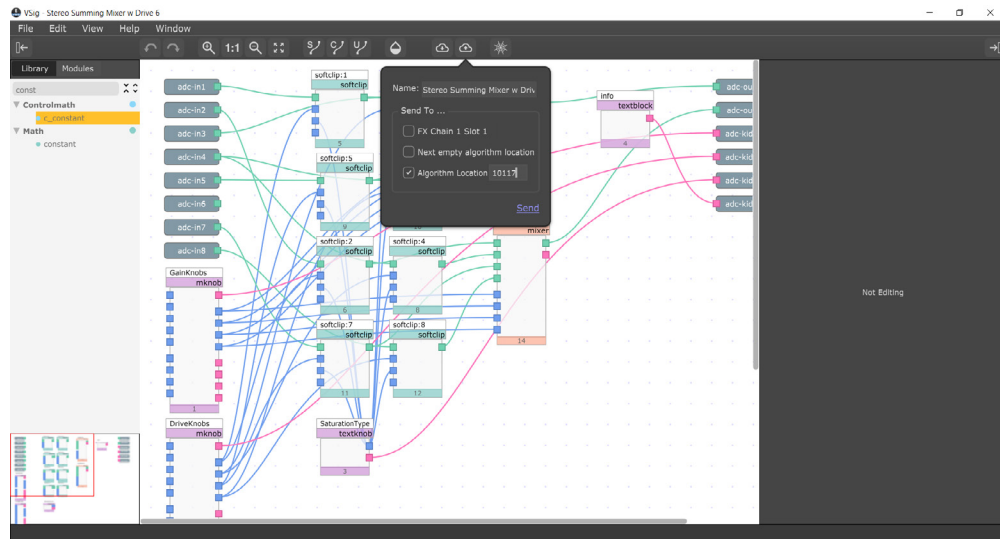
## Method 3 - Install using VSIG

*Note that not all algorithms are available as VSIG files. If this algorithms is available as a VSIG it's file name will appear below.*

- File: not available for this algorithm

- Unzip the .sig2 file.

- Open this file within VSIG

- Ensure that VSIG is connected to your H9000
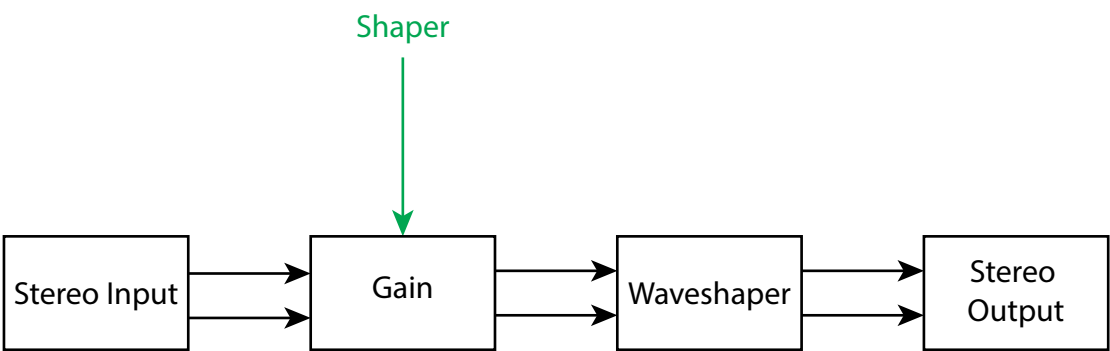
- Select the Upload Button

- Select Algorithm Location and type "10130" into the text box. Press Send.



- If you prefer, you can load it to any location, and take note of the location and then use our H9000 Preset Tools.

- Presets cannot be loaded via VSIG. Install these either from Emote or from the front panel via USB.

# Setting Things Up

The diagram below shows the signal flow of this algorithm.

Shaper

```
Stereo Input  →  Gain  →  Waveshaper  →  Stereo Output
```

**Parameters**

| Parameter | Description | Range |
|-----------|-------------|-------|
| Shaper | Shaper determines how much waveshaping is applied to the signal. The waveshaper is cyclic, so increasing this value will determine how many times the input signal is wrapped around the waveshaper.<br>Low levels of gain will increase the amplitude of the output, but this will be pinned once the waveshaper maximum is reached. Increasing shaper amount beyond this will not increase amplitude any further, but will instead increase the level of distortion applied by the waveshaper.<br>At 0x no shaper gain is applied, but input gain can still change how much waveshaping is applied. | -6x to 60x |

This algorithm is a non-linear distortion/warmer/audio destroyer. It is not designed to be pretty, though it can be used subtly to add grit and crunch to a sound. The waveshaper used in this algorithm is the same as that used in our Chaos Shaper algorithm, but without the Breaker.

With this shaper algorithm, increasing the gain will result in higher and higher amounts of tonal crunch, but it will never clip. Eventually the signal wraps around the waveshaper so many times, that it essentially looks up random values and the output descends into noise.

This algorithm is useful for adding crunch and saturation to drums and will probably find most application in Industrial and Hard Techno genres, but it can sound good on melodic content as well, particularly bass lines.

Welcome to the dark side of the H9000.

For a demo of this algorithm visit https://youtu.be/8Os9lhU7iN8