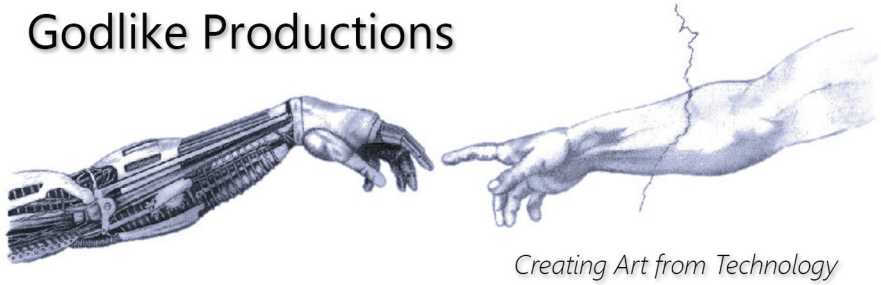
Trance Gate SC

Instruction Manual

Godlike Productions



Creating Art from Technology

Revision 1.00

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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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Introduction

This manual is for the H9000 Trance Gate SC Rev 4 Algorithm by Godlike Productions.

This algorithm has a h9a algorithm file and many also feature presets. Unfortunately Eventide have not provided a way to load all of the algorithms and presets as a bundle, so they need to be installed individually.

There are two ways to load algorithms, as outlined below. If you are not interested in the presets for the algorithms, then you can load them into the user area starting at Algorithm ID 10100, in any order that you like.

If you want to install the presets, then you will need to either load the algorithms into the ID's as outlined in the table below (which will allow you to just install the presets without modification), or you will need to use our preset tool available at https://godlike.com.au/index.php?id=479 to change the presets to match the location of the algorithm. Presets reference the algorithm name and number, and if they don't match, then the preset will not load, or will cause errors.

The table below shows the algorithm location and name when they were generated, and are what the supplied presets match without modification.

ID	Algorithm
10107	Trance Gate SC Rev 4

Installation and Activation

The following instructions give an example of how to install the algorithms and presets using two different methods. Use the table above to load the algorithms to the correct ID. This procedure will need to be repeated for each algorithm and sets of presets.

Method 1 - Install from USB

- Unzip the Algorithm and any presets. Copy the h9a file 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.

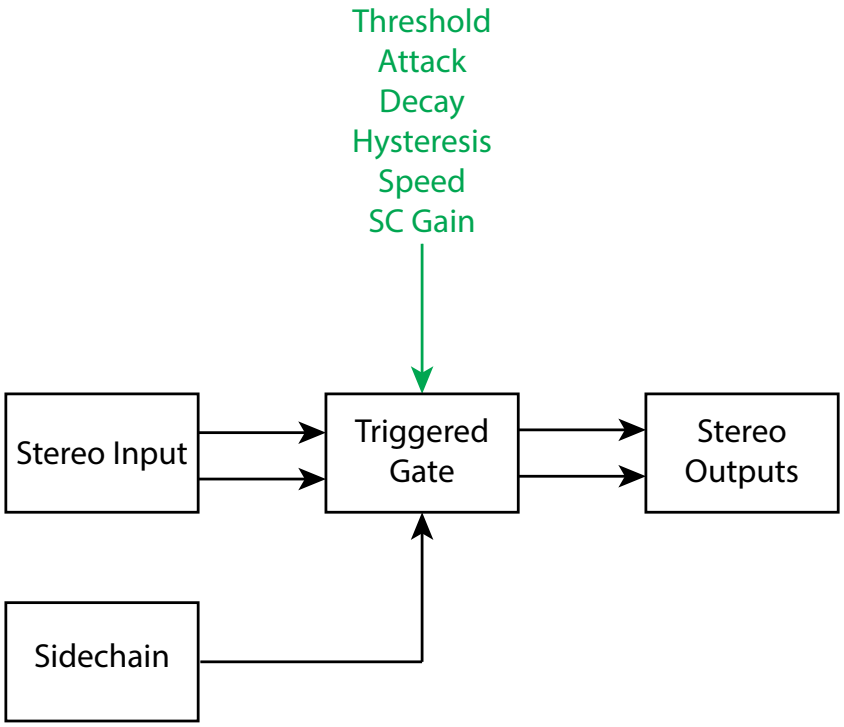
- Use the cursor up/down keys or wheel to select the Super Wrap Lite algorithm and then press the SELECT Key.
- If you do not wish to load presets, then you can use this algorithm as is. If you wish to use the presets, you will need to repeat this proceedure until this algorithm appears as the algorithm number corresponding to the table above, 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 the desired ID, 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 h9a 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 the algorithm number corresponding to the table above, or install it, and then use our H9000 Preset Tool to modify the presets.
- You can safely delete lower numbered algorithms used to bump this to the desired number by right clicking on the lower numbered algorithm and selecting Delete. Continue doing this until the only copy of the algorithm is the one loaded into slot correct ID number.
- To load the presets select Preset and then Open. Navigate to the .9kp preset files and press Open.

Trance Gate SC Rev 4

The diagram below shows the signal flow of this algorithm.



Parameters

Parameter	Description	Range
Threshold	This determines the level of the Sidechain signal that opens the gate to let the main stereo signal through. It is recommended that you use a relatively high frequency square wave input as the side chain connected to input 3. This signal is not heard at the output of the algorithm. If you need to adjust the gain of the input signal you can use the SC Gain control	-100 to 0dB Default: 0dB
Attack	Attack modifies how long it takes for the gate to open once the threshold has been reached..	0 to 1.00 secs Default: 0 secs

Parameter	Description	Range
Decay	Decay modifies how long it takes for the gate to close once the the side chain falls below the threshold.	0 to 1.00 secs Default: 0 secs
Hysteresis	Hysteresis controls how far below the theshold the side chain signals needs to fall before the gate can be retriggered. This can be used to reduce the gate "chattering" or problematic retriggering.	0 to 20 dB Default: 0dB
Speed	Speed controls how fast the side chain detector decays. Setting this to a large values will hold the gate open longer once the threshold has been exceeded.	0.001 to 1 sec Default: 0.001 sec
SC Gain	This adjusts the gain of the side chain signal.	-18 to 12 dB Default: 0dB

This algorithm allows you to use an audio signal (connected to the side chain input 3) to gate a stereo input. This is used in contemporary music such as trance to create a pulsating effect on a stereo pad sound. Because this is performed at the audio rate this gate can act extremely quickly, much faster than MIDI volume stabbing, or even midi note on and note off.

For a demo of this algorithm visit https://youtu.be/RpasdoMRA5E