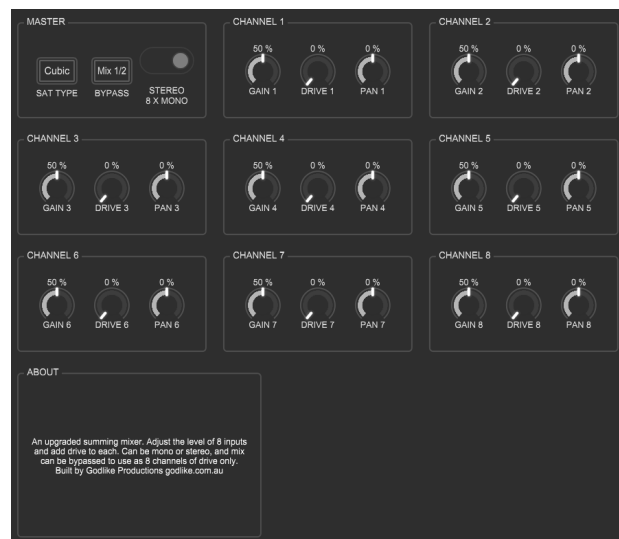




Instruction Manual

Stereo Summing Mixer with Drive & Stereo Summing Mixer with Drive Pro



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 algorithms for the Eventide H9000 available at <https://godlike.com.au/index.php?id=420>. The Stereo Summing Mixer with Drive and Stereo Summing Mixer with Dive Pro algorithms 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

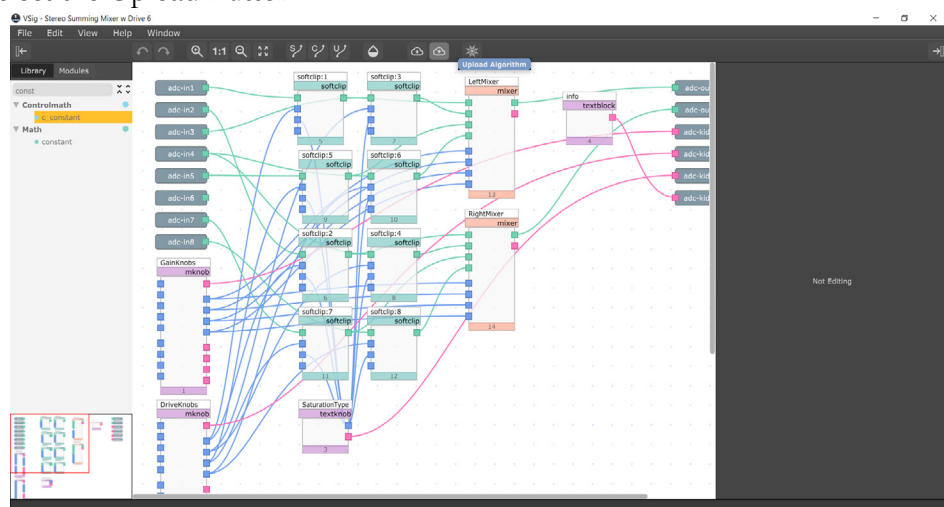
- Unzip the Algorithm and any presets. Copy Stereo Summing Mixer w Drive 7_1603968240.9ka and Stereo Summing Mixer w Drive Pro_3052366833.9ka as well as the .9kp files to your USB drive and insert into your H9000.
- Long press the front panel Save/Import button; the Load Options screen will appear.
- 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 Stereo Summing Mixer w Drive 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 procedure until this algorithm appears as algorithm 10116, or you can install it and use our H9000 Preset Tool to renumber your Presets. If you have installed to 10116, Copies at lower numbers can be safely deleted using Emote (see below).
- Use the cursor up/down keys or wheel to select the Stereo Summing Mixer w Drive Pro 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 procedure until this algorithm appears as algorithm 10147, or you can install it and use our H9000 Preset Tool to renumber your Presets. If you have installed to 10147, 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

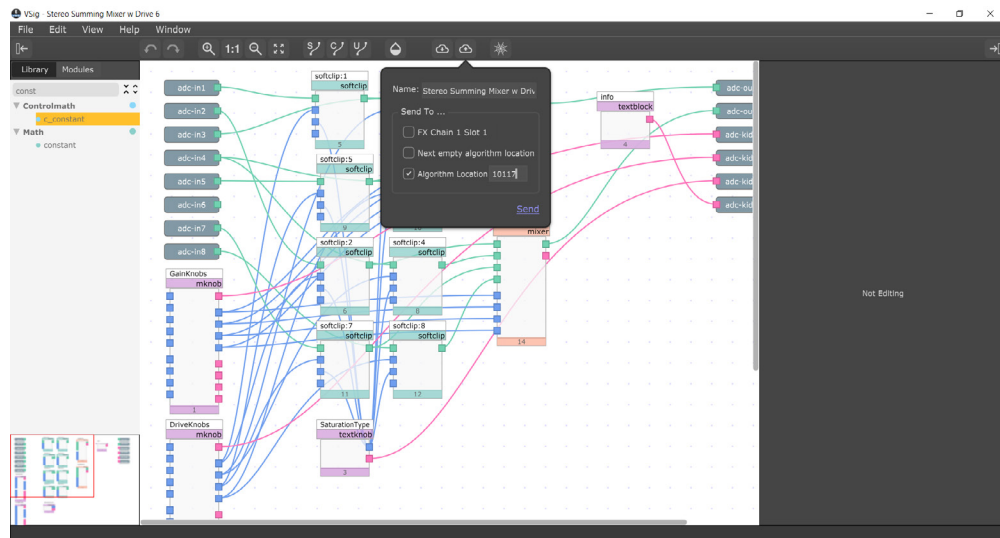
- Unzip the Algorithm and any Presets.
- In Emote, select Algorithm -> Import
- Navigate to the unzipped .9ka file and press open.
- If you do not wish to load presets, then you can use this algorithm as is. If you wish to use the presets, you will need to repeat this procedure until Stereo Summing Mixer w Gain 7 appears as algorithm 10116 and then repeat with Stereo Summing Mixer w Gain Pro appears as algorithm 10147, or install it, and then use our H9000 Preset Tool.
- You can safely delete lower numbered algorithms used to bump this to 10116 and 10147 by right clicking on the lower numbered algorithm and selecting Delete. Continue doing this until the only copy of Stereo Summing Mixer w Drive 7 is the one loaded into slot 10116 and Stereo Summing Mixer w Drive Pro is the one installed in 10147.
- To load the presets select Preset and then Open. Navigate to the .9kp preset files and press Open.

Method 3 - Install using VSIG

- Unzip the Stereo Summing Mixer w Drive 7.sig2 file.
- Open this file within VSIG
- Ensure that VSIG is connected to your H9000
- Select the Upload Button



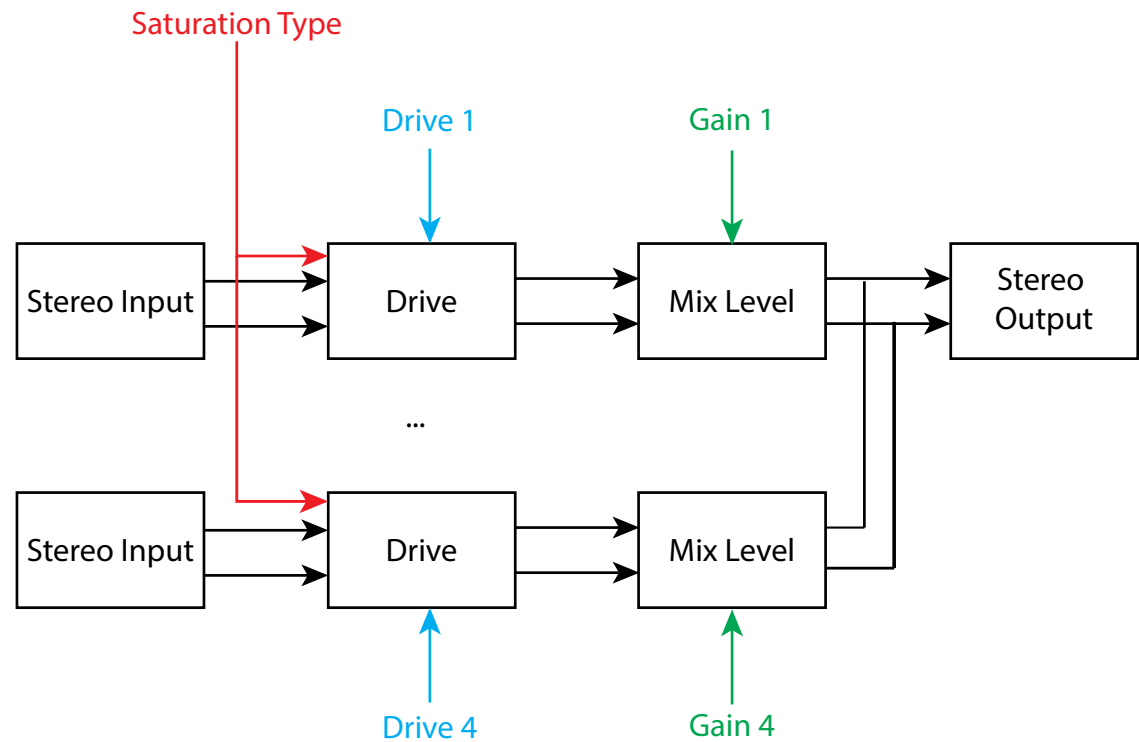
- Select Algorithm Location and type “10116” into the text box. Press Send.



- Repeat this procedure to load Stereo Summing Mixer w Gain Pro into location 10147.
- 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.

Stereo Summing Mixer w Gain 7

The diagram below shows the signal flow of this algorithm.



Parameters

Parameter	Description	Range
Saturation Type	Selects the saturation model and complexity.	Hard Clip, Cubic, 5th Order, 7th Order, 9th Order, 11th Order, 13th Order, 15th Order, 17th Order, 19th Order. Default: Cubic
Gain 1 - 4	The mix level of the channel that contributes to the stereo mix.	-100dB to 0dB. Default: -6dB
Drive 1 - 4	The amount of gain pushing into the soft clipper saturation. Increasing this, increases the saturation and warmth. At 0% no saturation will occur, and this block will act as a simple mixer.	0 - 100% Default: 0%

Parameter	Description	Range
Bypass	When bypassed the 8 inputs are connected to the 8 outputs, and this block will behave as if it is not in the chain. When this block is active, all four stereo inputs will be mixed down to outputs 1/2, and outputs 3-8 will have no output.	Bypassed, Off Default: Off

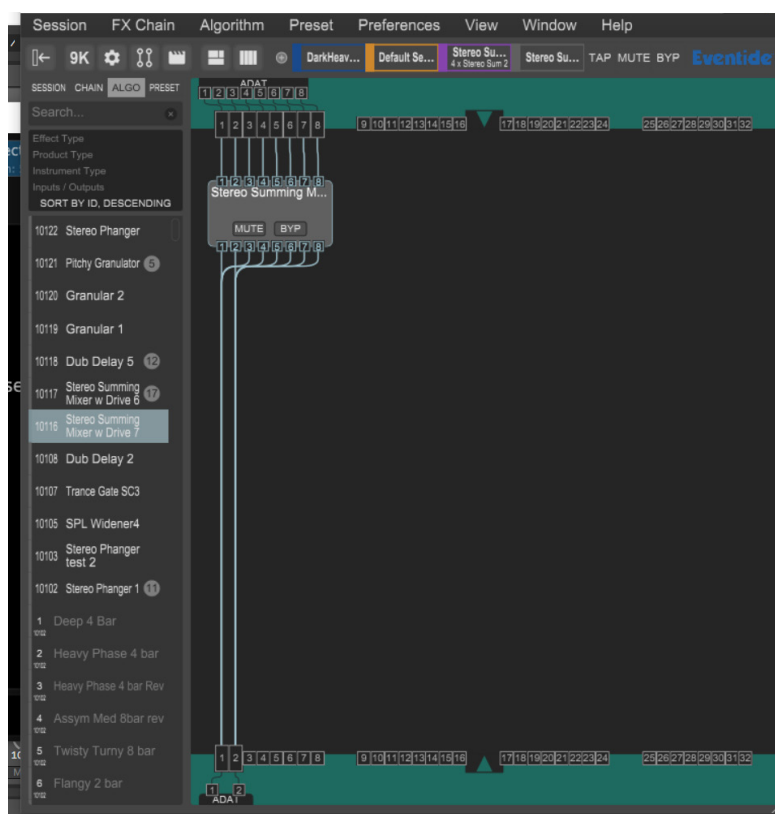
Saturation Type selects the saturation algorithm for all drive stages. This can be Hard Clip, Cubic or progressively more complex algorithms up to 19th Order. This acts essentially as a soft clipper. As drive gets higher and the signal approaches clipping, this will “gracefully” push this towards clipping. Hard clip is not graceful. Use it for the nasty stuff.

Each stereo input has a dedicated drive control (0-100%) and a dedicated gain control (-100 - 0dB). Overall mix should be done with the gain control.

The selection of which inputs and outputs should be done as per the H9000 user manual. This is dependent on your own studio configuration. This algorithm is set up as 8 in and 8 out. The 8 outputs are only used when the algorithm is bypassed (either using the Bypass switch in the algorithm, or bypassed through the chain in Emote or the front panel.

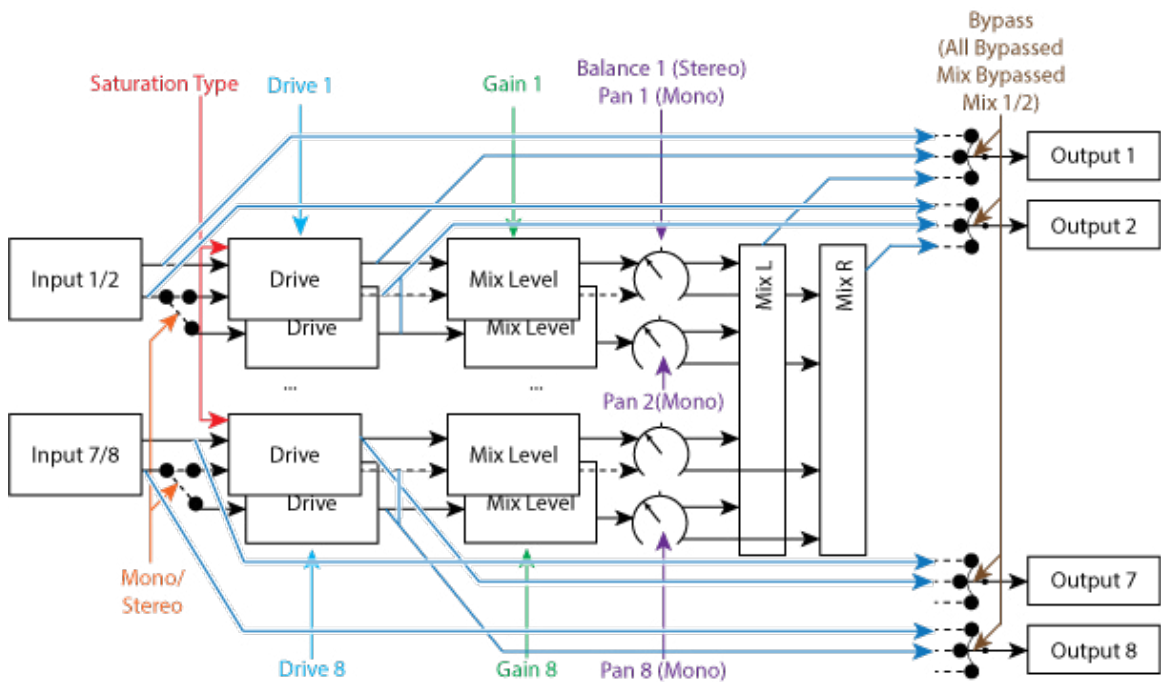
When the bypass switch is engaged, the 8 inputs are connected directly to the 8 outputs with no processing at all. This allows you to easily hear the impact of this effect.

The suggested connection of the outputs is shown below.



Stereo Summing Mixer w Gain Pro

The diagram below shows the signal flow of this algorithm.



Parameters

Parameter	Description	Range
Saturation Type	Selects the saturation model and complexity.	Hard Clip, Cubic, 5th Order, 7th Order, 9th Order, 11th Order, 13th Order, 15th Order, 17th Order, 19th Order. Default: Cubic
Gain 1 - 8	The mix level of the channel that contributes to the stereo mix.	0% - 100% Default: 50%
Drive 1 - 8	The amount of gain pushing into the soft clipper saturation. Increasing this, increases the saturation and warmth. At 0% no saturation will occur, and this block will act as a simple mixer.	0 - 100% Default: 0%

Parameter	Description	Range
Pan/Balance 1-8	When in stereo, this will adjust the balance of the channel prior to the stereo outputs. When in Mono, this will pan the individual channel within the stereo field. -100% is hard left, 100% is hard right. In stereo mode, this is a true balance control, not channel panners, so hard panning to one side, only the input from that side will be heard, and you will hear nothing of the other channel.	-100% -to100% Default: 0%
Bypass	When All Bypassed is selected the 8 inputs are connected to the 8 outputs, and this block will behave as if it is not in the chain. When Mix 1/2 is selected, all four stereo inputs will be mixed down to outputs 1/2, and outputs 3-8 will have no output. When Mix Bypassed is selected, the channels will pass through the Drive Saturation and then directly to the relevant output. Mix and Balance controls will be bypassed. This becomes a simple multi channel saturator.	All Bypassed, Mix Bypassed, Mix 1/2 Default: Mix 1/2
Stereo	Determines if inputs are paired to produce four stereo pairs, or eight mono channels	4 x Stereo, 8 x Mono Default: 4 x Stereo.

Saturation Type selects the saturation algorithm for all drive stages. This can be Hard Clip, Cubic or progressively more complex algorithms up to 19th Order. This acts essentially as a soft clipper. As drive gets higher and the signal approaches clipping, this will “gracefully” push this towards clipping. Hard clip is not graceful. Use it for the nasty stuff.

Each stereo input has a dedicated drive control (0-100%) and a dedicated gain control (0% to 100%). Overall mix should be done with the gain control. 100% is unity gain.

The selection of which inputs and outputs should be done as per the H9000 user manual. This is dependent on your own studio configuration. This algorithm is set up as 8 in and 8 out. The 8 outputs are only used when the algorithm is bypassed (either using the Bypass switch in the algorithm, or bypassed through the chain in Emote or the front panel.

When in stereo mode, controls for channels 1, 3, 5 and 7 will be used to control the stereo channel. These channels will be preserved and set to the individual channels when in mono mode, and additional controls for 2, 4, 6 and 8 will appear. If a control does not appear, it has no effect on the signal path, even though the values will be preserved on the controls in case you switch back to mono mode.