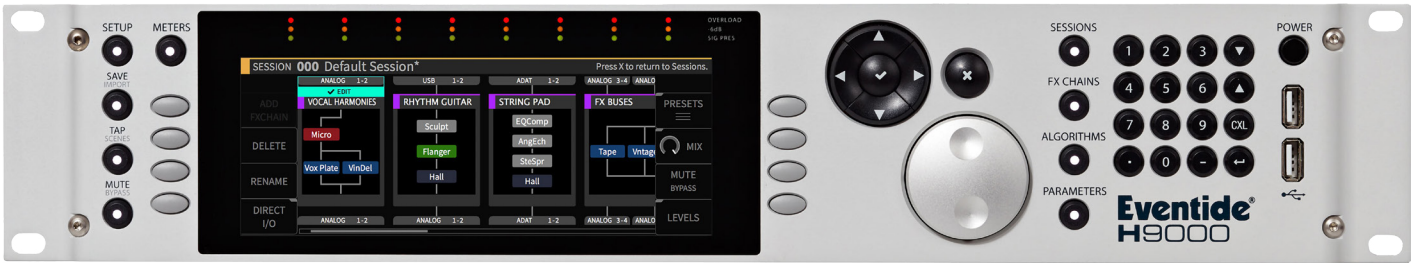
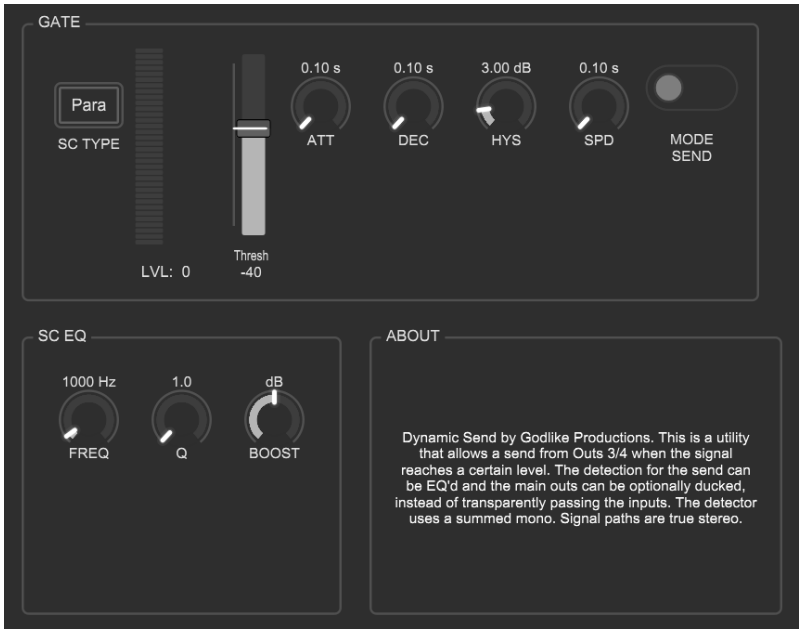


Instruction Manual

Dynamic Send



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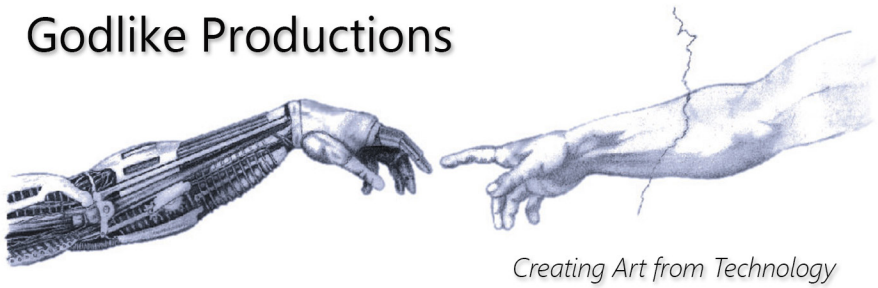

Creating Art from Technology

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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Getting Started

This manual is for a custom algorithm for the Eventide H9000 available at https://godlike.com.au/index.php?id=420. The Dynamic Send 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

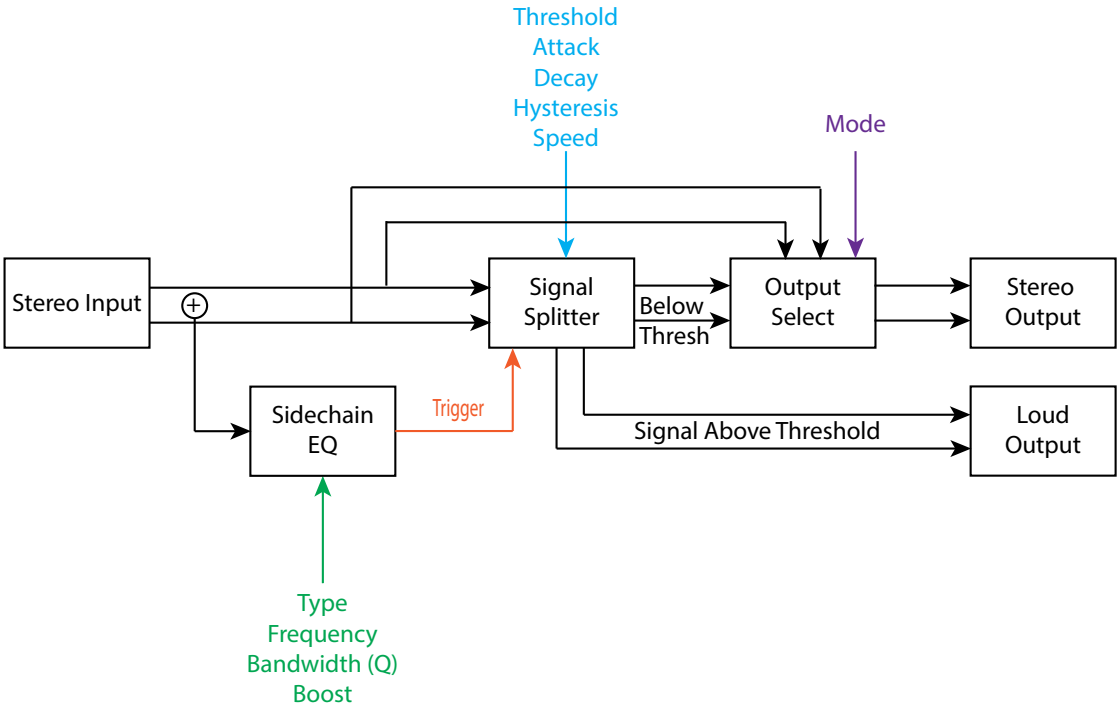
- Unzip the Algorithm and any presets. Copy Dynamic Send_nnnnnnnn.h9a as well as the .9kp files to your USB drive and insert into your H9000.
- Long press the front panel Save/Import button; the Load Options screen will appear.
- Use the cursor up/down buttons or the wheel to navigate to Algorithms and press the Enter Key.
- Use the cursor up/down keys or wheel to select the Dynamic Send 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 10140. If you have installed to 10140, copies at lower numbers can be safely deleted using Emote (see below).
- Open the .9kf 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 Dynamic Send_nnnnnnnn.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 algorithm 10140. As this algorithm uses chains, not presets, the our H9000 preset tool will not work at this time (December 2022). We will endevour to update our tool to work with User Chains.
- You can safely delete lower numbered algorithms used to bump this to 10140 by right clicking on the lower numbered algorithm and selecting Delete. Continue doing this until the only copy of Dynamic Send is the one loaded into slot 10140.
- To load the chains select Chains and then Open. Navigate to the .9kf chain files and press Open. Repeat for each chain.

Setting Things Up

The diagram below shows the signal flow of this algorithm.



Parameters

Parameter	Description	Range
Type	Selects the EQ Type. Bypass will apply no EQ treatment to the trigger signal.	Bypass, Low Shelf, Parametric, High Shelf
Level	Shows the leve of the signal prior to the EQ, as an aid to setting the threshold.	0 - 100%
Threshold	Sets the amplitude threshold above which signals are sent to the loud outputs. This is essentially the same as setting a normal noise gate. This setting is also used for the ducking on the main outputs if ducking is selected with the mode control. .	0 to -100 dB. Default: -40dB
Attack	The attack time of the gate in the signal splitter.. This applies to the both the send and the ducking (if selected)	0-10 sec. Default: 0.1 s

Parameter	Description	Range
Decay	The decay time of the gate after the input signal falls below the threshold (misus hysteresis). This applies to both the send and the ducking (if selected)	0-10 sec Default: 0.1 s
Hysteresis	Controls how much the input must drop below the threshold before the gate enters the Decay Stage. This applies to both the send and the ducking (if selected)	0-20dB Default: 3dB
Speed	This controls the trigger senitivity of the gates in the signal splitter. This applies to both the send and the ducking (if selected). High values will be similar to a gate "hold" function.	0.01-10 sec. Default: 0.1s
Mode	This selects the behaviour of the main algorithm outs. If this is set to "Send" then the unaffected input will emerge at the main outputs, with the loud elements appearing at outputs 3/4. If set to "Duck", then the main outputs will have the quiet part of the signal, while outputs 3/4 have the loud part of the signal. In this mode adding both outputs together will result in same signal as the input.	
Frequency	This is the EQ frequency for the sidechain.	20Hz - 20kHz Default: 1kHz
Q	The bandwidth (steepness) of the sidechain EQ. Values above 1 may give resonance in the trigger signal.	0.5 - 50 Default:: 1
Boost	The cut or boost of the sidechain EQ.	-18 to 18dB Default: 0dB

This algorithm provides a method to send loud and soft parts of a signal to different processing chains. It is designed to be used in conjunction with other algorithms wired up in a H9000 chain. Examples of use are to add distortion to loud drum hits, or add delay or reverb to accented notes. The main outputs can be set to reproduce the input signal, for example a reverb, while adding a different effect to accented notes.

For a demo of this algorithm visit https://youtu.be/qt15pr9CTb8