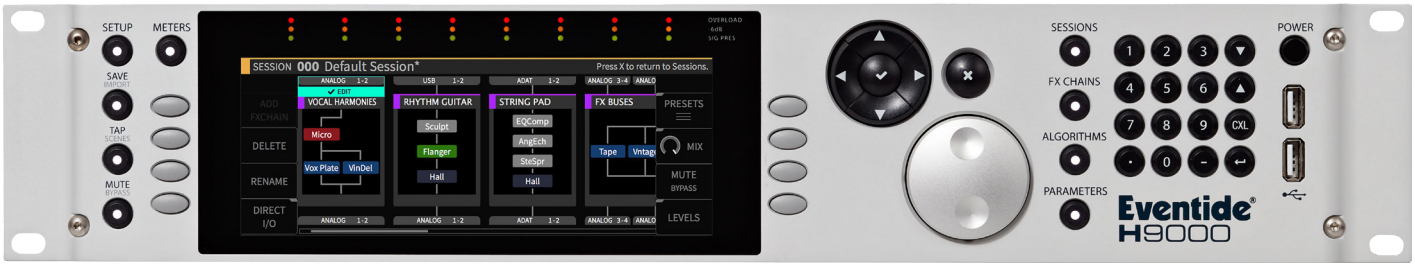
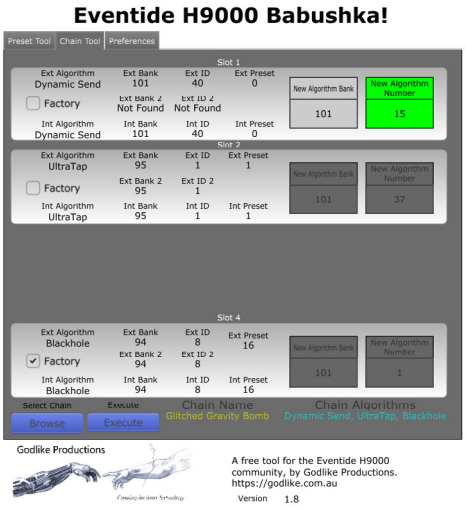


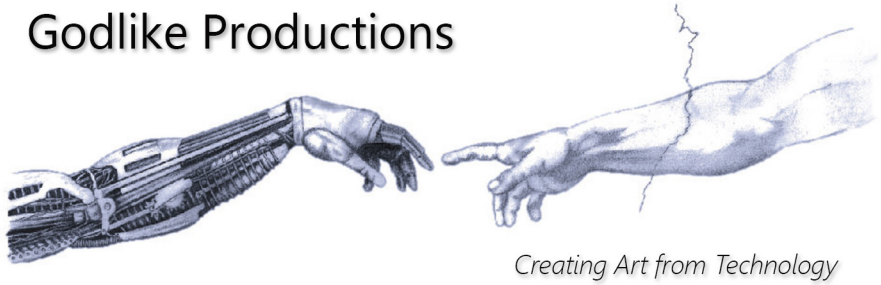
Instruction Manual

H9000 Babushka

formerly H9000 Preset Tool



Godlike Productions



Creating Art from Technology

Revision 2.0.0

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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 H9000 Babushka for the Eventide H9000 available at https://godlike.com.au/index.php?id=420. This software is used to reassign presets to algorithms and to reassign algorithm ids to chain, if algorithms are moved, or if user or custom algorithms are installed in a different location to where they were when the presets were created.

Within the H9000 preset and chain structure, reference is made to the bank and algorithm ID to which the preset should be applied. Without this tool it is not possible to get presets to associate with the correct algorithm unless that algorithm is installed at the same algorithm location.

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.

What's New in V2

We've reworked a lot of the original H9000 Preset Tool to make it easier, more error resistant and importantly to remove the need to install gzip. All of the compression and encoding is now handled internally in the program.

We've also added a H9000 Chain tool to re-map the Algorithm ID numbers of any custom algorithms used in the chain. On top of that we've added a preferences page that features an Algorithm Mapping tool. Taking the time to carefully add the name and ID of all of your custom algorithms, will let the tools automatically guess the Bank and Algorithm numbers of your H9000, which will hopefull speed up and simplify converting presets and chains for use on your H9000.

Installation

Installing on Windows

- Unzip H9000 Babushka.exe from the zip file into a suitable location on your hard drive.

- Unlike its predecessor H9000 Preset Tool this program no longer relies on gzip being installed on your system and available from all command prompt location. One of the big changes with v2.0.0 is that all of the compression, encoding, decompression and decoding is handled internally by the program. A massive thanks is due to John Goodland and Damien Sellier who implemented this in CtrlrX and helped squash a particularly insidious bug.

Installing on OSX

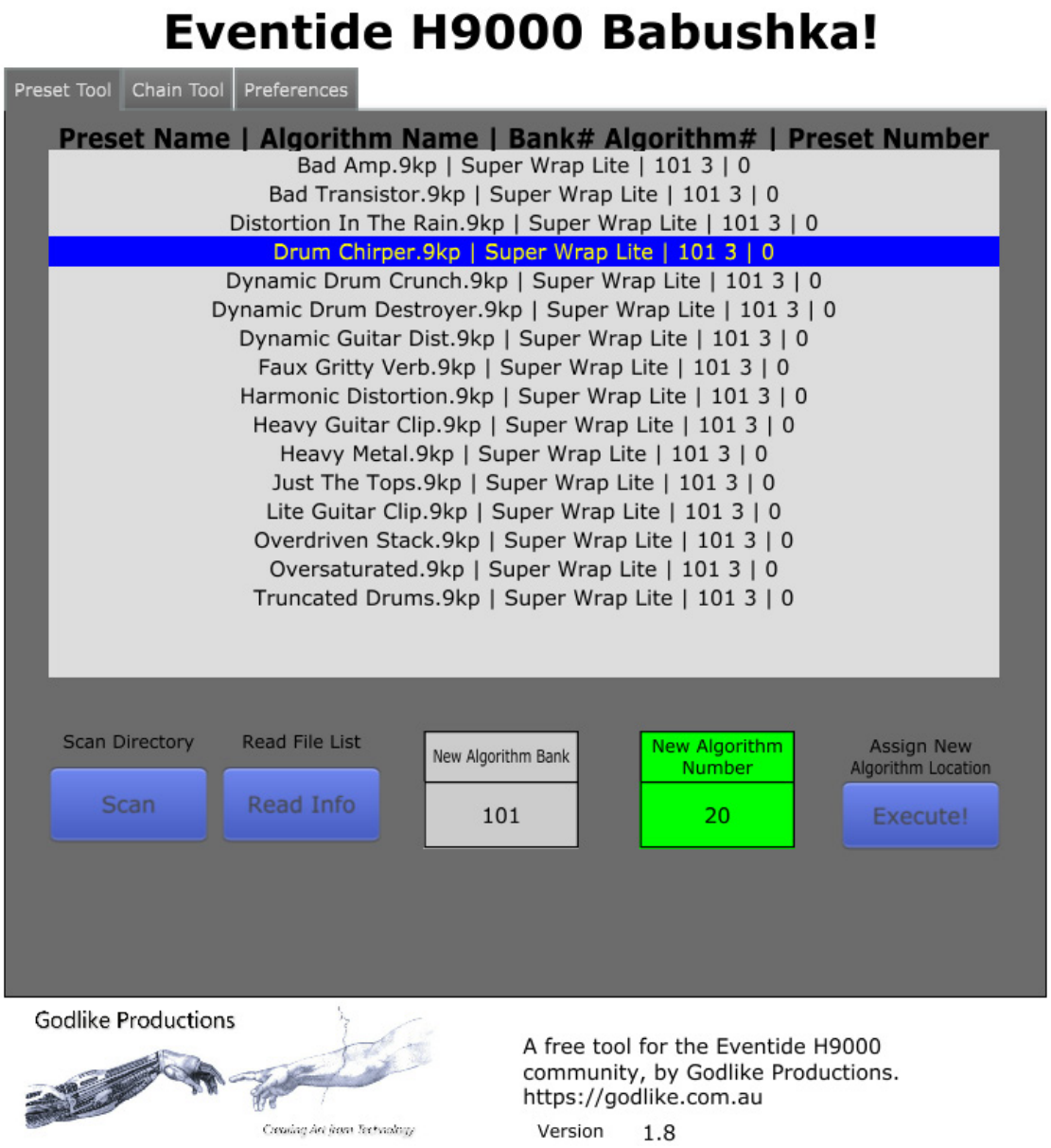
- Unzip the H9000 Preset Tool.app from the zip file into a suitable location on your hard drive.

Using the Program

- Prior to running the program select a location for the presets to be modified. This location should be a new or empty directory, specifically used for this tool. We recommend that no other files are in this directory.
- Copy the preset or chain files into this directory. Preset files have the extension .9kp, while chain files have the extension 9kf.
- This program currently has 2 tools, batch preset conversion and single chaing conversion.
- There have been a number of enhancements to the Preset Tool since version 1, with better error detection and handling of edge cases.

Batch Preset Conversion

- Open the H9000 Preset tool by double clicking on it.
- Select the Preset Tool Tab
- The tool will convert all .9kp and assign a new algorithm number to ALL preset files in the directory. The original files will remain unmodified. New modified files will be created in a subdirectory named "converted" which will be created by the tool.
- It is recommended that conversion of presets for one algorithm is done at a time. Do not attempt to convert presets from one algorithm to another. This may cause issues with the H9000, including crashing the unit, or the presets may simply not load.
- Presets created for factory installed algorithms will almost certainly not require this tool. This tool is most useful for presets created for after market or user algorithms created using VSIG. These algorithms can be installed to any location chosen by the user, however presets will not load unless the algorithm number matches the algorithm number saved internally in the preset.
- If the algorithm is already installed in the H9000 make a note of the number of the algorithm. User algorithms start at location 10100. The first 3 numerals (in this case 101) represent the algorithm Bank. The last 2 numerals (in this case 00) represent the algorithm number within this bank.
- If the algorithm is not already installed, install it via VSIG, Emote or from the front panel, and make a note of the algorithm location.

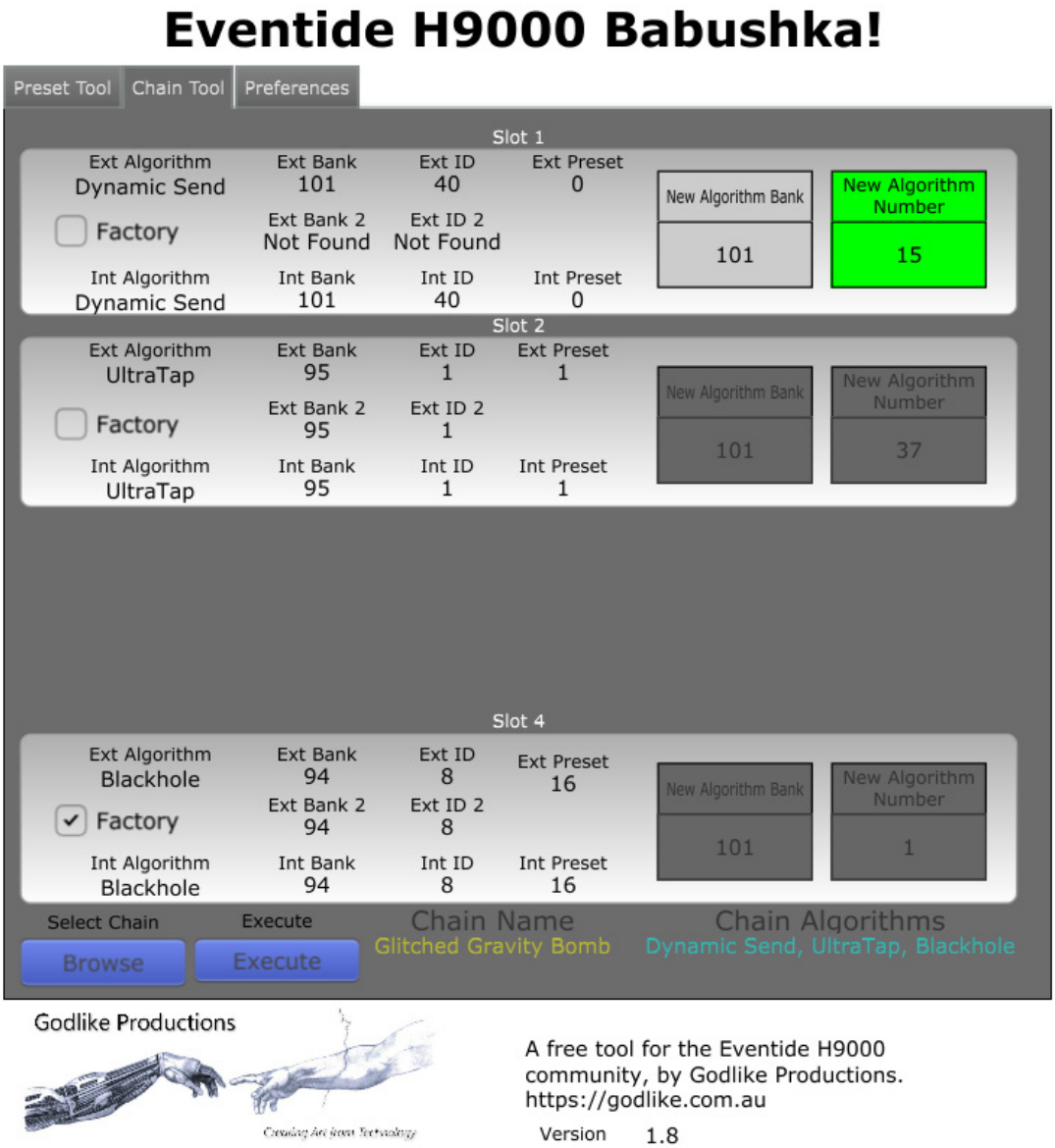


- Basically you work left to right.
- Press the Scan button. This will allow you to choose your directory created above where your presets are located. This step may take a few seconds to run.
- Press Read Info, to read information from the presets. The information will be presented in the large text box.
- Check that the Algorithm Name matches the Algorithm name on the H9000. The original preset location will be shown. In the image above, the original location of the algorithm is 10103. If you have filled in the Algorithm Map on the preferences pages, then this tool will try to guess the algorithm bank and algorithm number.

- Check and specify the actual algorithm bank and number from your H9000. For example if you had installed our Super Wrap Lite algorithm to location 10120, set the bank to 101 (click on the box and type 101 and then press Enter) and the New Algorithm Number to 20 and again press Enter.
- Once these are set, press Execute! This will run through all of the presets in the directory and update the Algorithm Number for all of the presets. Once this is finished an information box will tell you when it is complete and the location of the new presets. Copy these onto your USB drive to install on your H9000, or open them with Emote for installation on your H9000.
- If you wish to back up the presets, simply copy them from the converted directory to a location of your choice.
- Note, while you can select different presets in text box, this has no impact on the operation of the program. This facility may be utilized for additional functionality in the future.

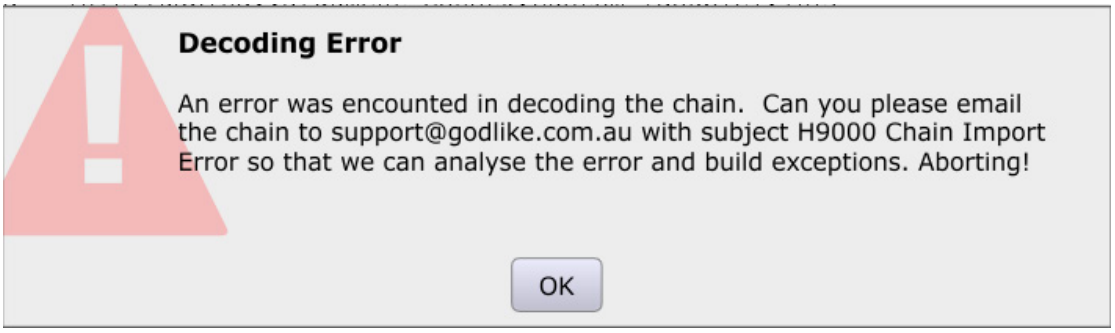
Chain Conversion

- Select the Chain Tool Tab
- This tool will examine a H9000 chain file and allow you to reassign the bank and ID numbers of algorithms and presets within the chain.
- The chain file format is very complicated, and is what inspired the name of this program, Babushka. Babushka dolls are Russian nesting dolls, where each doll contains a similar smaller doll, which contains yet a smaller doll, which is analagous to how presets are stored within the chain file.
- In order for a chain to load there are a number of different ID's that need to match the actual Algorithm location that is stored on your H9000.
- In the same manner as the Preset Tool, the Chain Tool will leave the original files in their original location, and will save modified chain files in a "converted" subdirectory.
- Due to the nature of chain files, it only makes sense to convert 1 file at a time, as the algorithm locations in each chain need to be individually checked. There is no issue with having numerous chain files in a single directory and modifying them all in one session.
- For this tool to work, you will need to have the underlying user algorithms already installed on your H9000 and know the location ID's of those algorithms. This tool can be used to identify which algorithms are used by a chain, including factory algorithms.

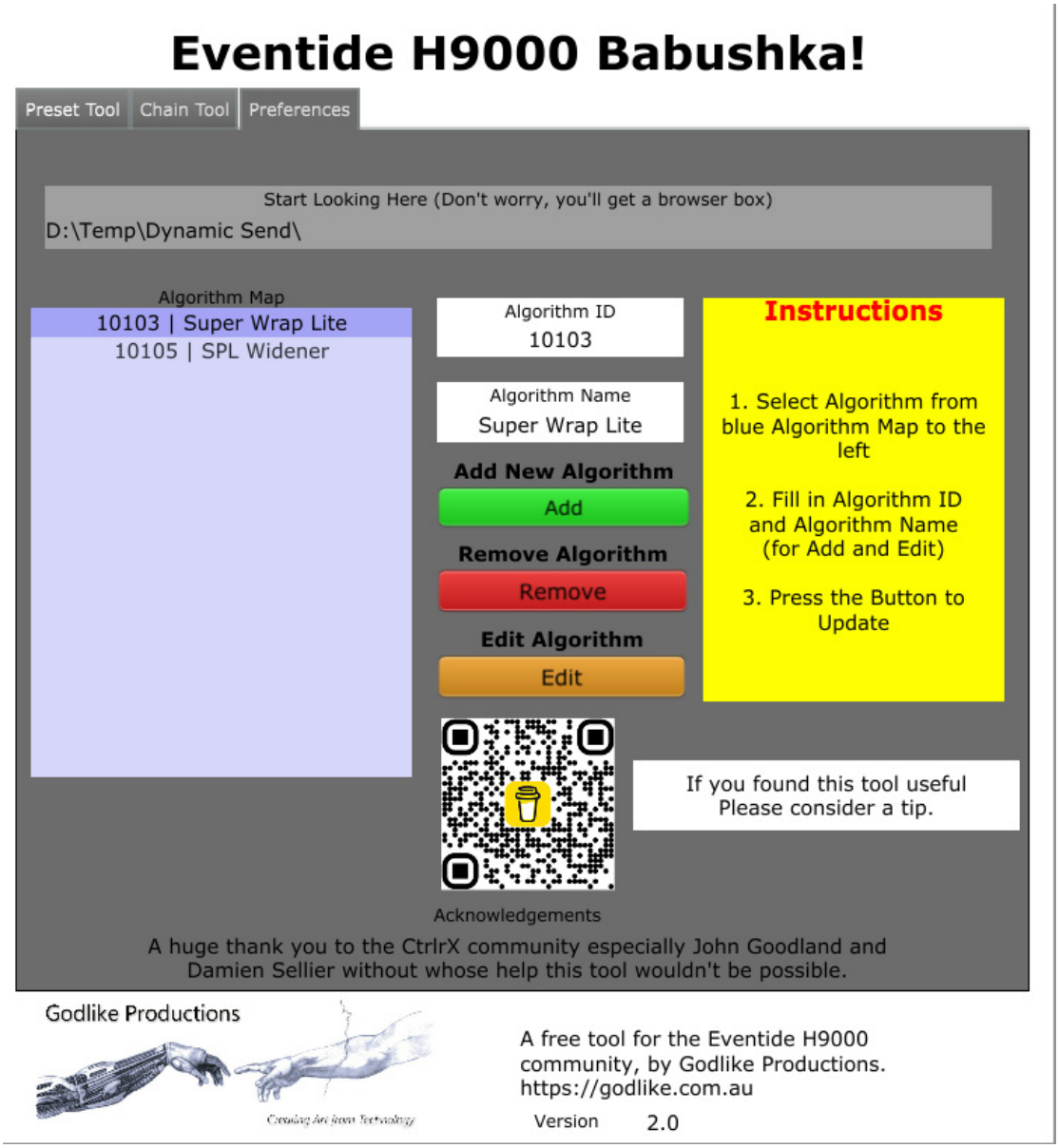


- Select Browse and navigate to the chain file that you wish to examine and modify.
- This will fill in the data in the Slot Boxes.
- Factory algorithms are indicated by a tick in the Factory Box and the Bank and Algorithm ID's will be greyed out and disabled. You cannot renumber Factory Algorithms as this would break the chain.
- If a slot box disappears, then that slot is not used in the chain. The slot number does not necessarily correspond to the order of the algorithms within the chain, they are used only as an internal structure.
- As of November 2025, chains can contain a maximum of 4 algorithms, with both Gen 1 and Gen 2 CPU's. If this changes we'll upate this tool.

- For the slots with green Algorithm ID boxes, these represent user algorithms and the bank an algorithm ID's should be updated to match ID's on your H9000. Bank and Algorithm numbers are derived from the Algorithm number in the same way as presets, the last 2 numbers are the Algorithm ID and the preceeding numbers are Bank ID's. User Banks start at 101.
- At the bottom of the winow is the Chain Name and the Chain Algorithms used in the chain. This is derived from inside the chain file, rather than the file name, and the Chain Algorithms come from a seperate list within the chain file to those that are looked up in the slots. These should match with the algorithms within the slots.
- The information displayed (Ext Algorithm, Int Algorithm, Ext Bank, Int Bank, Ext Bank 2, Ext ID, Ext ID 2, Int ID, Ext Preset and Int Preset) are some of the parameters derived from the chain file. Ext Bank 2 and Ext ID 2 are not always used, and Presets within the chain are not always named or have a number. All of this information is for display only and cannot be directly modified. The most important part of these ID's is that Internal parameters match external parameters. If they don't then you will get a warning, with the option to just overwrite them with what you set New Algorithm Bank and New Algorithm Number.
- Make sure that you set all user algorithms, and press Enter once the number has been entered in the box before you press Execute. When you press Execute a new chain file will be written with the updated information.
- There are a number of potential issues that could give a warning box. One of those is attempting to modify a chain file that has already been modified by this tool. When this tool runs, the structure of the file changes slightly, and while running the tool again will "probably" be OK, we haven't tested it extensively and we don't recommend it unless you cannot get hold of the original chain again. Running this tool many times may increase the size of the file due to how text is encoded within the file format.
- If you receive the error below please send us your chain so that we can improve our tool. We have endeavoured to test our tool with a range of chain file formats, but we cannot test them all, so there may be some edge cases that we have not accounted for.



Preferences



- The controls in the preferences tab are global to both the Preset Tool and the Chain Tool.
- Start Looking Here is a path where you start browsing when you press the Browse button on either the preset tool or the chain tool. This is updated whenever something is opened and it should be remembered between sessions.

- The algorithm map is optional to use, however if you fill it in with the algorithm number and the algorithm name for all custom algorithms that you have on your H9000 (any algorithm ID 10100 and above), this will allow the preset tool and chain tool to guess the ID number and the bank and algorithm numbers, and pre-fill the Bank and Number fields. These should be remembered when you close the program, so this should hopefully just be a 1 time task.
- This lookup relies on the ID number and the algorithm name being **exactly** the same as it appears on your H9000 in Emote or on the screen, including capitalization and spacing. If the tool does not find an exact match it will suggest Bank 101, Number 0.
- Editing this table is simple, but slightly unintuitive, so please follow this procedure (summarized in the yellow box to remind you.)

Add New Algorithm

- If you want to add an algorithm to the list, fill in the Algorithm ID and Algorithm Name fields, **ensuring you press Enter after you have finished.** If you don't press Enter then the name will not be updated in the field.
- When both of these fields are correct press the "Add New Algorithm" button. The algorithm list will update and it will be sorted by Algorithm ID. Algorithm ID must be a 5 digit number between 10100 and 11999 the current range of user algorithms.
- Error checking is minimal for this feature, so please take care when entering the data.

Remove Algorithm

- To remove an algorithm, first select the algorithm that you want to remove in the purple Algorithm Map.
- The Algorithm ID and Algorithm Name will update.
- Press the "Remove Algorithm" Button
- Confirm deletion by pressing OK or press Cancel to abort the deletion.

- Again the Algorithm List will update and it will be sorted by Algorithm ID.

Edit Algorithm

- To edit the entry for an algorithm first select the algorithm you wish to enter in the purple Algorithm Map selector.
- Change the Algorithm ID and Algorithm Name fields, **ensuring you press Enter after you have finished.** If you don't press Enter then the name will not be updated in the field.
- When both of these fields are correct press the "Edit Algorithm" button. The algorithm list will update and it will be sorted by Algorithm ID. Algorithm ID must be a 5 digit number between 10100 and 11999 the current range of user algorithms.

Buy Me A Coffee

- This tool took several months to develop after reverse engineering the H9000 file formats, and to our knowledge is the only tool that will allow for loading of presets and chains that reference custom algorithms when they are loaded onto another H9000.
- Without this tool, the only way to load presets or chains is to ensure that all custom algorithms are in the same location as they were on the developers system, and that can be time consuming frustrating with the current algorithm load tools on Emote and the H9000.
- This tool is provided for free to support developers of custom algorithms, making it easier to sell or share their creations, and to support end users that want to use this powerful features in their creative endeavour.
- Donations or subscriptions to our Buy Me A Coffee page via the QR code or by visiting https://buymeacoffee.com/godlikeprod is always appreciated, or a purchase of our preset packs, chains, or algorithms will go a long way to helping us provide more goodies in the future.
- Godlike Productions is a one man team and we are transparent about the small amount of money we make from our H9000 creations. All of our Buy Me A Coffee income is shown on the page, and it is a very long way from a living income, though it does afford some modest purchases for our studio. We would love to do this full time, but that will require support from people like you.

CtrlrX

- This product is developed on CtrlrX, an open source community driven tool aimed at creating panels for MIDI control of hardware synths and effects panels.
- CtrlrX allows development of standalone programs, and VST3 and AU plugins.
- If you wish to learn about CtrlrX, support its development or contribute to the main developer please visit https://github.com/damiensellier/CtrlrX?tab=readme-ov-file#donations