Model N

Model N Channel

Model N Channel User Guide

Welcome to VoosteQ

Thank you for purchasing a VoosteQ product.
If you are a producer, artist, musician, or engineer already using channel strips, compressors, or equalizers from other manufacturers, the Model N Channel is simple and easy to use.
Nevertheless, the Model N Channel has some unusual parameters and features.
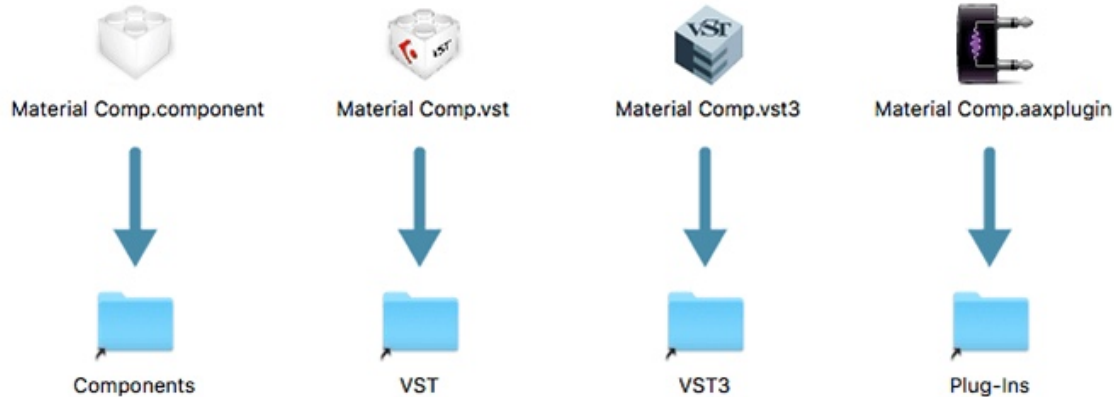This manual describes all the features for using the Model N Channel.

We hope you will enjoy using it and create great sounds!

VoosteQ
support@voosteq.com
www.voosteq.com

How to install(mac)

1. After the payment is completed, the download URL will be sent to the registered e-mail address. Please download it.
2. Open the downloaded dmg and the above folder will open.
3. Drag and drop the plug-in formats you want to use to each folder.
* If you cannot drag and drop directly on macOS Mojave (10.14) or macOS Catalina (10.15) and macOS Big Sur(11.0), Open the folder and drag and drop.
4. If the password entry screen is displayed, enter your mac password.

The installation is now complete.
After payment is completed, you will receive a serial number from Keyzy (license issuing service) to the registered email address.
Proceed to the next "Authorization".
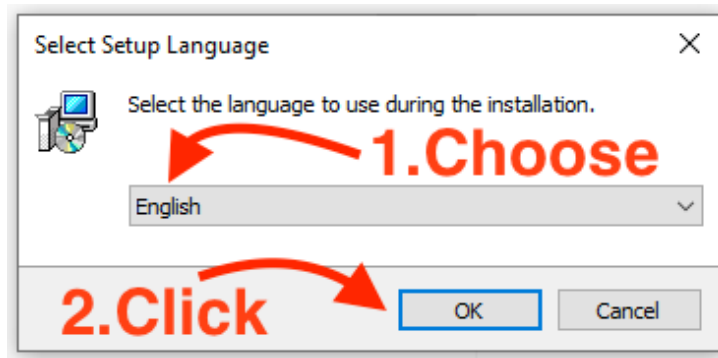
How to install(Windows)

1. After the payment is completed, the download URL will be sent to the registered e-mail address. Please download it.
2. Install the downloaded installer according to the following procedure.
3. If the password input screen is displayed, enter your Windows password.
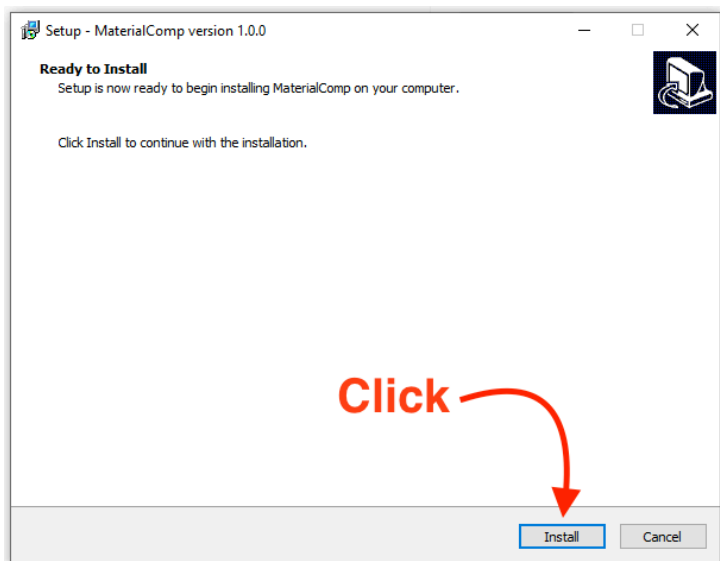
The installation is now complete.
After payment is completed, you will receive a serial number from Keyzy (license issuing service) to the registered email address.
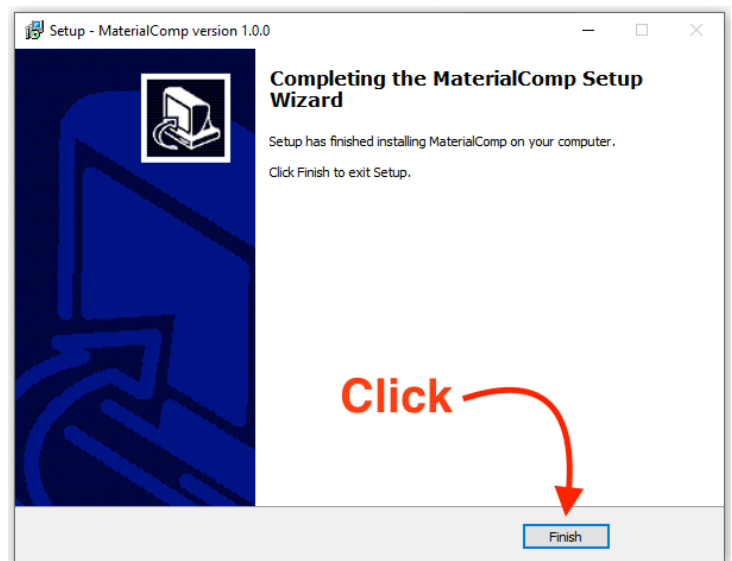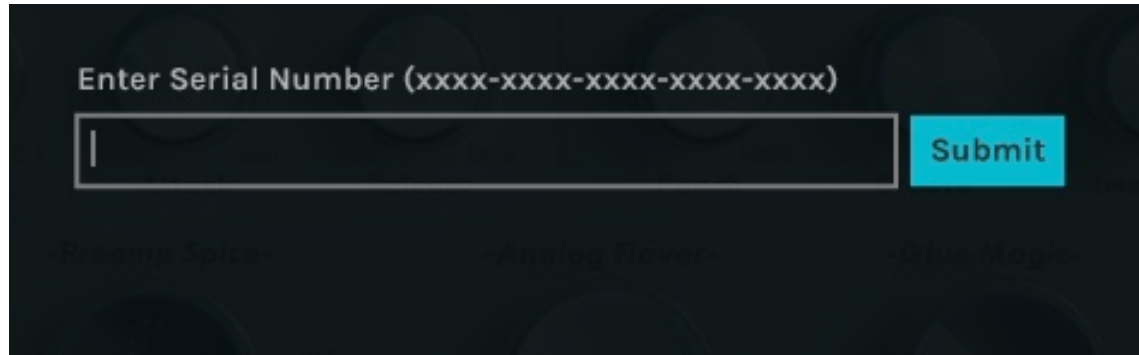Proceed to the next "Authorization".

1

2

3

Authorization

The serial number will be sent to the registered e-mail address from Keyzy after payment.
Insert VoosteQ's Products into your host application
and enter the serial number you received.
The serial input screen is displayed by clicking logo in the header.

*Internet connection environment is required(for license authorization)

If the following message is displayed,
Authorization has been completed. Have fun!

If the following message is displayed, serial number is incorrect,
or there is no internet connection, or already authorized on three computers.
If you have any question, please contact us. support@voosteq.com

Q&A

Q. How many computers can Material Comp's authorize?
A. Up to 5. Virtual environments such as VMware Fusion and Parallels Desktop are counted as one.

Q. Is it possible to delete an authorization?
A. Yes, it is possible. On the Mac / PC you want to deauthorize,
click the "Deactivation : Open Window" in About Window and select "Deactivation".
*Internet connection is required to deactivate the authorization.
If you do not have an Internet connection, you will not be able to remove authorizations.

Q. In case of hard disk failure, is it possible to authorize to more than 5 computers?
A. Yes, please contact VoosteQ support.

VoosteQ
support@voosteq.com

Product Overview

What is Model N Channel?

This plug-in models British-made preamps, compressors, equalizers, and transmitters.
It models multiple actual units, including vintage units, recent units, and modified units, and can be used in combination with them.

Model N Channel is not just modeling the sound of the original preamp, comp, and EQ alone.

It features modeling of the sound qualities and tones routed in large recording studios, including sounds through British consoles, cables, bantam patch bays, and even AD/DA, which can add a strong analog texture.
Bypassing the Preamp Section and turning down the Condition can also reduce the analog texture.

The Model N Channel does not reproduce the sound quality, timbre, or texture of the original instrument as it was when it was run through the actual instrument,
Rather than reproducing the sound quality, tone, and texture of the original device as is, we have focused on sound quality and operability that are easy to handle when used as a plug-in for a DAW.

Rather than aiming for the same sound as the original device, multiple inserts of the device's features were made as plug-ins, and the sound quality was adjusted with priority given to elements that would make the user want to use the device.
In addition, parameters that need to be adjusted in detail in the modern age, such as knobs that can only be switched in 2dB or 5dB increments on the original device, are continuously adjustable to enable fine adjustment.

Features
- Proprietary VoosteQ analog circuit simulation technology
- 3 Preamp types
- 2 compressor types
- 3 EQ types
- 5 analog circuit simulations
- Condition adjustment function

- 2x oversampling
- 64-bit internal processing for cutting-edge transparent sound
- Low CPU load

- Stereo/mono support
- Supports sampling rates up to 192 kHz
- Deactivation support
- PDF manual (Japanese and English versions)

Preamp Section

1.Type

・84

Modeling of a vintage unit from the 70's.
Faithfully modeled type including the habitual mid-low range that existed in the original actual unit.
Suitable for distorting drums and bass.

・31

Modeling of a vintage 80's model.
It has more mid-range characteristics than the "84" and has a darker texture.
Suitable for vocals and guitars with relatively little attack.

・Mod

Modeling of a preamplifier released in recent years.
Compared to the "84" and "32", it has a flatter frequency response and a less habitual distortion texture.
Suitable for various instruments such as piano, synth, strings, etc.

2.Trim
Adjusts the input level in the range from -10.0 dB to +10.0 dB.

3.Preamp
It adds distortion and texture to the preamplifier.
The original actual device also amplifies the volume significantly, but the Model N Channel is designed to mainly adjust distortion and texture and not change the volume significantly.
It uses VoosteQ's proprietary DSP, which has low Nyquist frequency fold-back noise even without oversampling.

4.Line/Mic
Switches the input signal between Line input or Mic input. The volume, analog texture, and distortion will be changed.
The cable image in the GUI is also changed.

5.Preamp On/Off
Turns the Preamp Section On/Off.

Compressor Section

Modeling of a vintage British 70's compressor.
It reproduces the original feedback circuit.
It organically and automatically changes THD, frequency bandwidth, etc.
according to the input signal material and the amount of reduction.

1.Gain Reduction Meter
Gain reduction meter for compressor.

2.Threshold
Adjusts the threshold between +10.0dB and -20.0dB.

3.Type
- 25
Modeling of a vintage 70's unit.
It has a loud sound and is suitable for drums and vocals.

- 32
Modeling of a vintage 70's unit.
A little bit subdued sound, suitable for bass, guitar, keyboards, etc.

4.Ratio
Adjust the ratio between 1.5:1 and 6:1.

5.Recovery
Adjust the release between 100ms - 1.5s.
Can also be set to Auto.

6.Gain Make Up
Adjusts the compressor output level in the range from 0.0dB to +20.0dB.

7.Comp Mix
Adjusts the compressor mix amount.

8.Slam
Toggles the tone and texture of the compressor.
When set to On, the compressor's internal processing is changed to give it a modern texture.

9.Comp On / Off
Turns the Compressor Section On/Off.

Equalizer Section

1.Type

-84
Modeling of 70's vintage model.
It has a slightly peculiar sound in the mid-low range, just like the original.

-31
Modeling of 80's vintage model.
Natural sound with wide Q as same as the original.

-Mod
Modeling of a recently released model.
Relatively flat, with a characteristic low-frequency texture and high-frequency extension.

2.Hi Freq
Adjusts the frequency of Hi shelving EQ.

3.Hi Gain
Adjusts the gain of Hi shelving EQ between -16dB and +16dB.

4.Mid Freq
Adjusts the frequency of Mid peaking EQ.

5.Mid Hi-Q
Switches the Q range of the mid peaking EQ.
When set to On, the Q range becomes narrower.

6.Mid Gain
Adjusts the Mid peaking EQ gain between -18dB and +18dB when Hi-Q is On, and between -12dB and +12dB when Hi-Q is Off.

7.Low Freq
Adjusts the frequency of Low shelving EQ.

8.Low Gain
Adjusts the Low shelving EQ gain between -16dB and +16dB.

9.Hi Pass Filter
Adjusts the cutoff frequency of the high-pass filter.

10.Low Pass Filter
Adjusts the cutoff frequency of the low pass filter.

11.EQ On / Off
Turns the EQ Section On/Off.

Master Section

1.OverSampling
Enable oversampling (2x).

2.Routing
Swaps the order of Compressor and EQ.
Off state is Comp -> EQ, On state is EQ -> Comp.

3.Analog Flavor
See below.

4.Condition
Adjusts the condition of actual equipment in new condition to heavily used units.
It simulates frequency response, THD, and response to input signals.
It is also affected by the distortion of the Preamp, the texture of the compressor, and how the EQ is applied.
The GUI of the plug-in is also modified by the Condition parameter.

5.Master Gain
Adjusts the final output level in the range from -20.0dB to +20.0dB.

6.Power
Bypasses all processors.

Analog Flavor

Switches between sounds that simulate transformers and analog circuits.
It simulates not only the frequency response but also the compressibility and texture.

1. None
Bypasses the transformer texture.

2. M-Air
Vintage transformer sound of the 70's.

3. CRN-H
Transformer sound of recently released units.

4. Console A
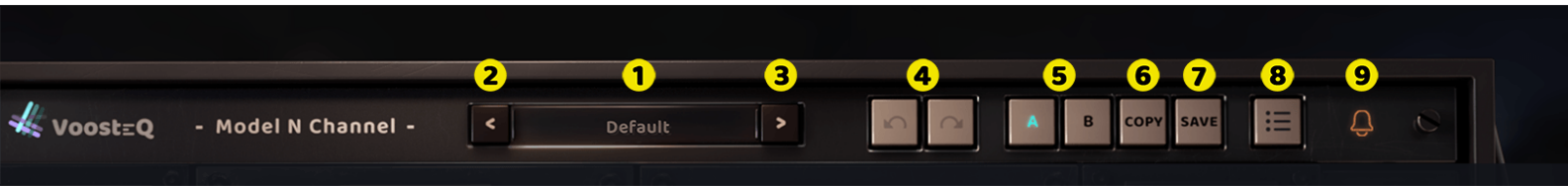Sound through a 70's studio console.

5. Console B
Sound through a 90's studio console.

6. Fake
Sound of a unit that was distributed as a fake.

Header Section

1.Patch Name
Displays the selected patch name.
An asterisk "*" is added to the patch name when the parameter is adjusted.

2.Preview
Select the previous Preset Browser.

3.Next
Select the next Preset Browser.

4.Undo/Redo
Unlimited Undo/Redo button.
Undo button : Cancels the last operation and returns to the previous state.
Redo button : Re-executes the operation canceled by the Undo button.

5.A/B
Toggles between A and B comparison of parameters.

6.Copy
If A is selected for parameter setting, to B,
If B is selected, the current parameters are copied to A.

7.Save
Save the current parameter information to User Preset.
The destination path is as follows
Mac: /Users/[Your Username]/Documents/VoosteQ/Model N/Asset/Preset/UserPreset
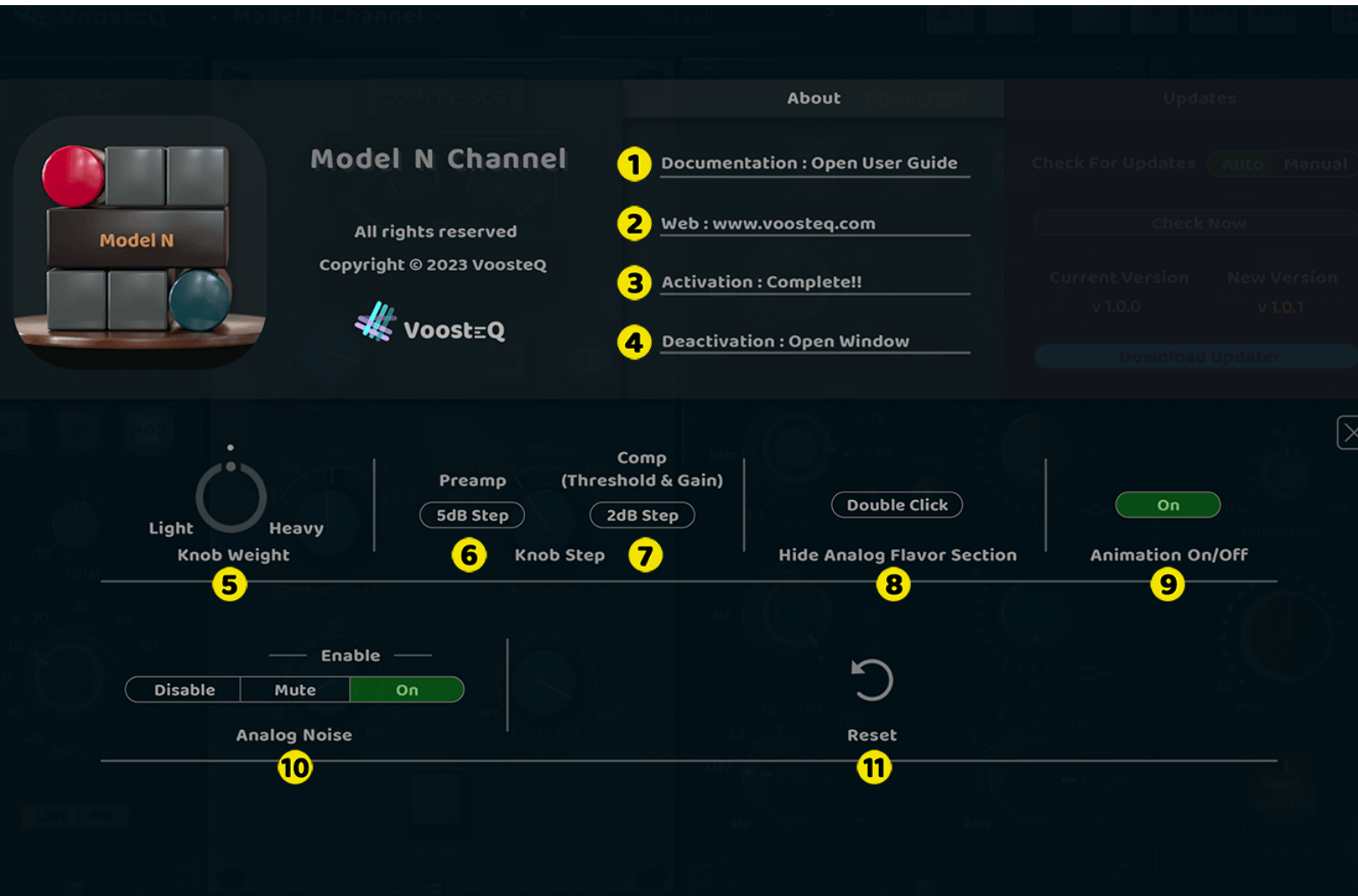Win: C:\Program Files\Common Files\VoosteQ\Model N\Preset\UserPreset

8.Option
Displays the Option Window.

9.Notification
Displays a notification icon when there is an update.

About Window

1.Documentation
Open this manual.

2.Web
Open the VoosteQ website in your default browser.

3.Activation
Displays the authorization status.

4.Deactivation
Opens the Deactivation window.
If you wish to deactivate the activation from your computer, click Deactivation in the Alerts window after clicking Deactivation.

5.Knob Weight
Adjusts the knob weight.

6.Knob Step
Adjust the Gain knob of Preamp in 5dB steps and the Threshold and Gain knobs of Comp in 2dB steps as in the original specification.

7.Analog Flavor Hide
Double-click or single-click to switch the behavior of closing Analog Flavor window when Analog Flavor is selected.

8.Animation On/Off
Toggles animation on and off.
If the animation is heavy in your environment, we recommend turning it off.

9.Analog Noise
Changes the setting for analog noise sampled from a British console.
On : Analog noise is output from the output.
Mute : Analog noise is not output from the output, but is used for internal DSP operation.
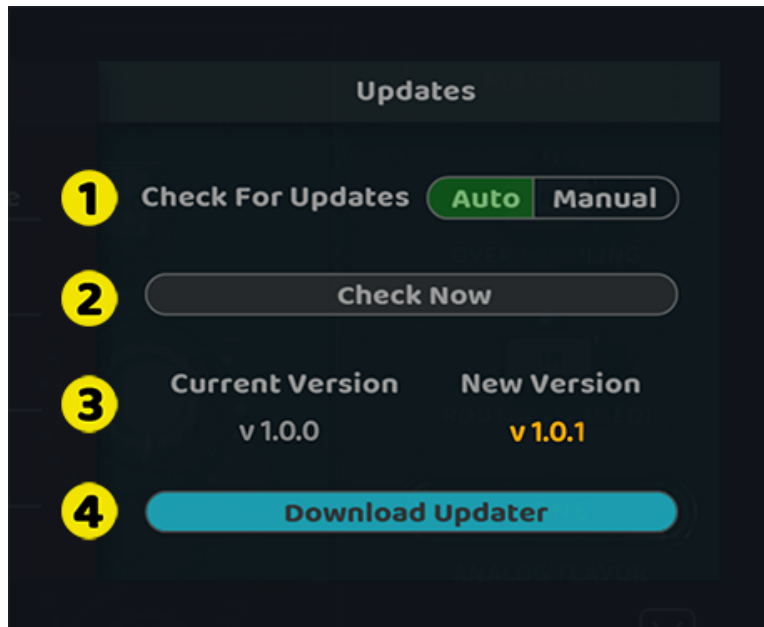   This is effective for reproducing the ambiguity and slight randomness of analog noise.
Disable : Disables analog noise.

10.Reset
Reset the above settings.

Updates

This function allows you to check for updates and confirm the version.
An Internet connection is required to check for updates.

1.Check For Updates
"Auto" will automatically check for updates, while "Manual" requires you to click "Check Now" to check for updates.

2.Check Now
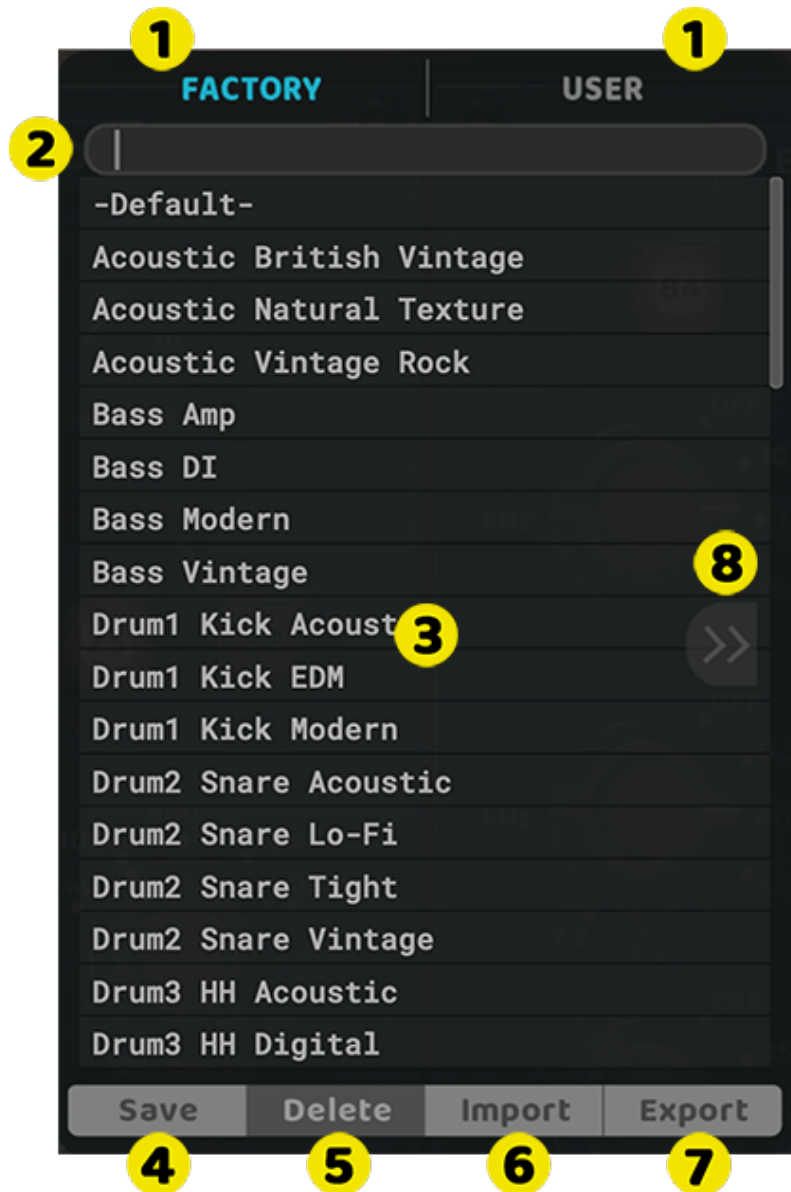Checks if there is an update. Internet connection is required.

3.Current & New Version
Displays the current version and the version if there is an update.

4.Download Updater
Displays the current version and updates, if any.
Click to download the updater with default browser.

Preset Browser

1.Bank Selector
Select from Factory Bank or User Bank.
Factory presets cannot be over-written or deleted.
User Preset are your favorite settings.
User Preset can be over-written and deleted.

User Preset is not available in the initial state, so save your cool preset yourself.

2.Search Window
You can search for the patch in the search window.

3.Preset Selector
Select from Factory Preset or User Preset.

4.Save
This is the same as the save function for the header section's save.

5.Delete
Delete the currently selected patch.

6.Import
Import an external file.
If you only import, the parameters will just be updated.
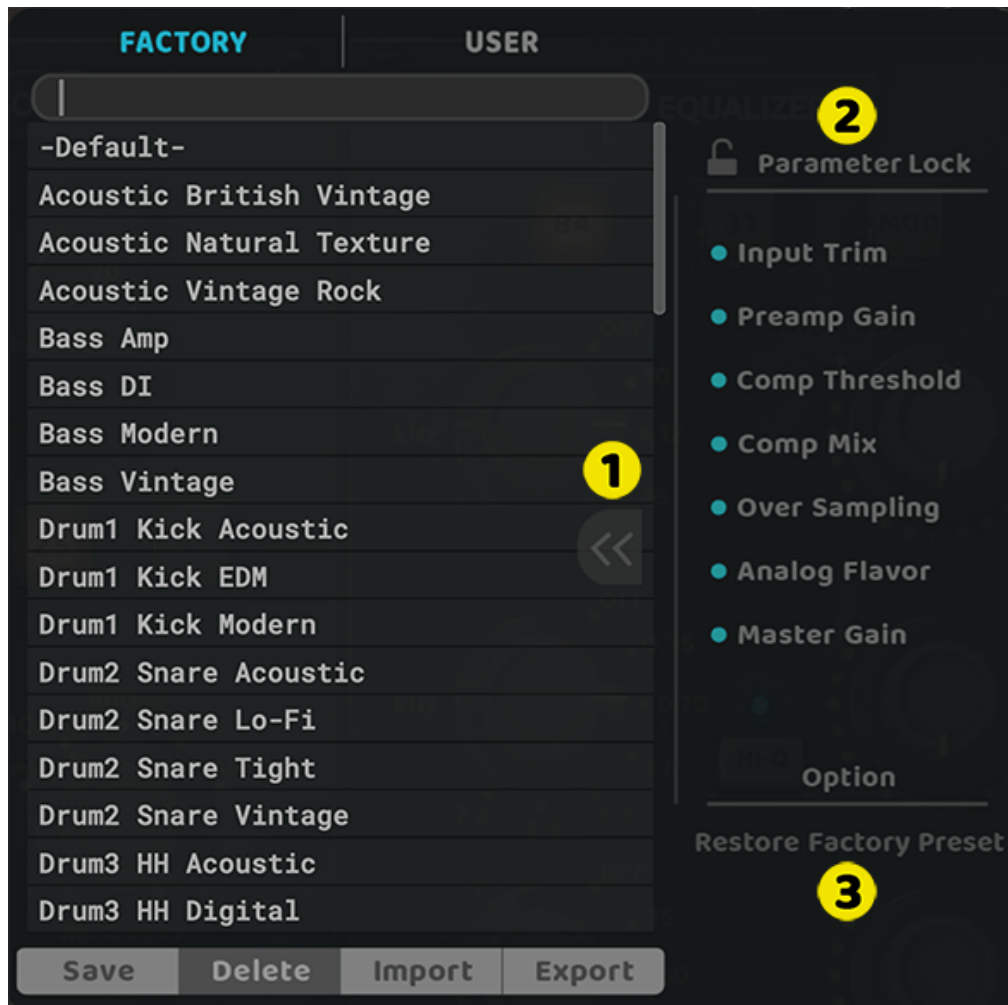Please save it if you would like to do so.

7.Export
Export the current parameters.

8.Preset Browser Option
Option is displayed when you click the button(see below).

Preset Browser Option

This is displayed when you click the button to the right of the Preset Browser search window.

1.Preset Browser Option
Option is displayed when you click the button.

2.Parameter Lock(Threshold, Input, Output, Master Mix, Analog Flavor, SC Filter)
It sets a lock so that the threshold, input, output, master mix, Analog Flavor, SideChain Filter and Over Sampling values do not change when loading the preset.
The settings will be valid until you close the host application.

3.Option(Restore Preset)
It will restore the Factory Preset when it has been deleted.

Requirements

Mac OS X requirements
Mac OS X 10.13 or higher
AU or VST2/3 or AAX Native (Pro Tools)
Apple Silicon(M1 / M2) & Intel processor

Windows requirements
Windows 10
VST2/3 or AAX Native (Pro Tools)

Plugin Formats:
AAX (64–bit), AU, VST2, VST3
*All formats are 64-bit only.

Available in Audio Units, VST, VST3, AAX Native(64-bit only)
Pro Tools (Mac & PC: AAX Native)
Logic Pro (Mac: AudioUnits)
Ableton Live (Mac: AudioUnits & VST2/3, Windows: VST2/3)
Cubase (Mac & PC: VST2/3)
Studio One (Mac: AudioUnits & VST3, Windows: VST3)

Internet connection environment (for license authorization)

You will need at least 500MB (when installing) of free space on your hard disk for installation.

For smooth operation, we recommend installation on a computer
with a CPU with fast processing speeds and plenty of RAM memory.

In order to use this product, you will need to authorize it using the internet.
For authorization, an internet connection and the serial number sent to your email address during the purchase will be needed.
Offline authoring (deactivating the authored computer) is also supported.

The product specifications listed here could be changed without notice.
Because this is a downloadable product, there will be no returns or refunds.

VoosteQ Software License Agreement

"VoosteQ" and associated logos are registered trademarks of VoosteQ.
VST is a trademark of Steinberg Media Technologies GmbH,
registered in Europe and other countries.
AAX, Pro Tools, and RTAS are trademarks or registered trademarks of Avid Technology,
AudioUnit, OSX are trademarks of Apple Inc.
All other product / company names are registered trademarks of their respective owners.

You are not allowed to copy or distribute the full version of any VoosteQ product.
It is a violation of international copyright laws to give copies to other people.
The VoosteQ Products is a commercial program.
You may not reverse engineer, reverse compile, or disassemble any of the files in the products.

The VoosteQ Products or the information in this document is subject to change
without further notice and shall not be deemed as an obligation
or warranty of any kind by the manufacturer.
No warranties are made with regard to the quality, accuracy of this document.
VoosteQ reserves the right to change the contents of this document
and the VoosteQ products at any time without the provision of prior notice.
VoosteQ shall not be held liable for damages of any kind arising from the use,
or the inability to use this product and all VoosteQ Products.
The serial number that you receive when purchasing it is personal and confidential.
Be sure to also see the Terms and Conditions at www.voosteq.com.