

# Owner's manual



Crispy Clip

# Hello and Thank you!

Thanks a lot for buying a plug-in from Yum Audio!

We hope that you will have a lot of **creative ideas and as much fun using it as we do.**

Our mission is to create indispensable tools that stand out from the crowd through **quality of sound, performance, and design.**

We strongly believe that audio software should inspire you and help to fuel creative endeavors, not complicate them. Most importantly, our plugins should allow you to effortlessly focus on enjoying creating music and sound, so have fun and keep being creative!

This manual will guide you through the plugin and help you integrate it into your audio production arsenal.

If there are things unclear, you can always read our FAQ online and get in touch on

[www.yumaudio.com/support](http://www.yumaudio.com/support)

We're happy to hear from you and see what you created with our software. Share it on your social media, tag your post with **#yumaudio**, and we might just share your work!

**Now let's get started - have fun and create some tasty productions!**

# MANUAL & SYSTEM REQUIREMENTS

## System Requirements:

AAX, VST3, AU versions included

64-bit only (Mac / PC)

Mac OS X 10.11 or higher

Windows 10

At least 4GB of RAM, 16GB is recommended

At least 200MB of free drive space (OS drive)

## This Product is supported by the following DAWs:

Ableton Live 10.1+ (Mac & PC: AU, VST3)

Bitwig 2+ (Mac & PC: AU, VST3)

Cubase 8+ (Mac & PC: VST3)

Digital Performer 10+ (Mac & PC: AU, VST3)

FL Studio 12+ (Mac & PC: VST3) Garageband 10+ (AU)

Logic Pro 9+ (AU)

Pro Tools 11+ (Mac & PC: AAX)

Presonus Studio One 4+ (Mac & PC: AU, VST3)

Reaper 5+ (Mac & PC: VST3)

Cakewalk by BandLab (PC: VST3)

# TABLE OF CONTENTS

1. INSTALLATION & ACTIVATION
2. GLOBAL CONTROLS
3. PLUGIN FEATURES & CONTROLS

# 1. INSTALLATION

## Windows

We provide distinct installers for Mac and PC. Choose the one for your operating system and open it.

The Yum Audio installer will guide you through the installation process and install all relevant plugins on your system.

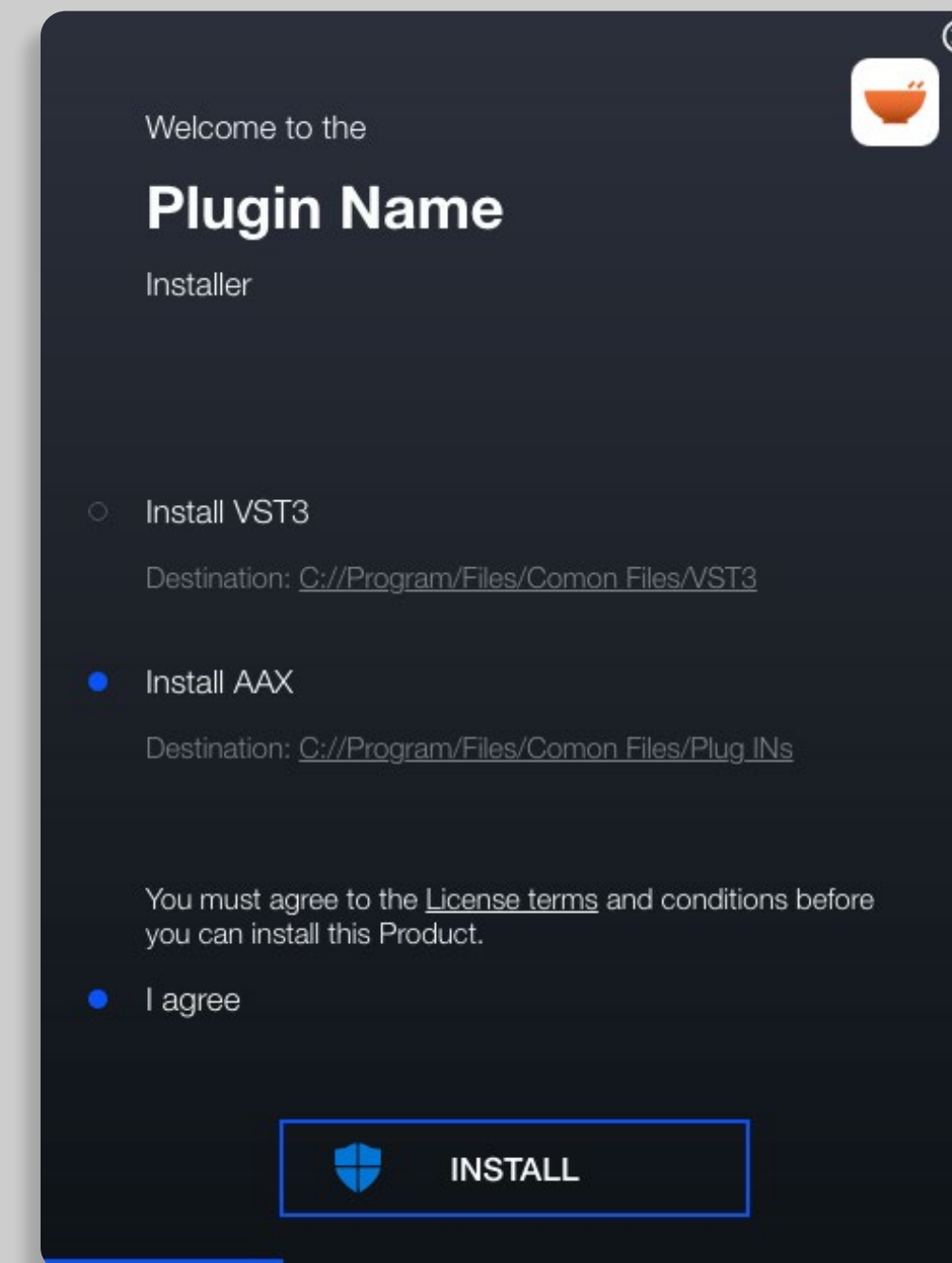
The following plugin types are available for Windows and Mac.

### Windows:

VST3 (64bit) and AAX

### Mac:

VST3 (64bit), AAX and AU



Plugins are installed to the following locations **on Windows**:

### VST3 Plugin:

C:\Program Files\Common Files\VST3

### AAX Plugin:

C:\Program Files\Common Files\Avid\Audio\Plug-Ins (AAX)

# 1. INSTALLATION

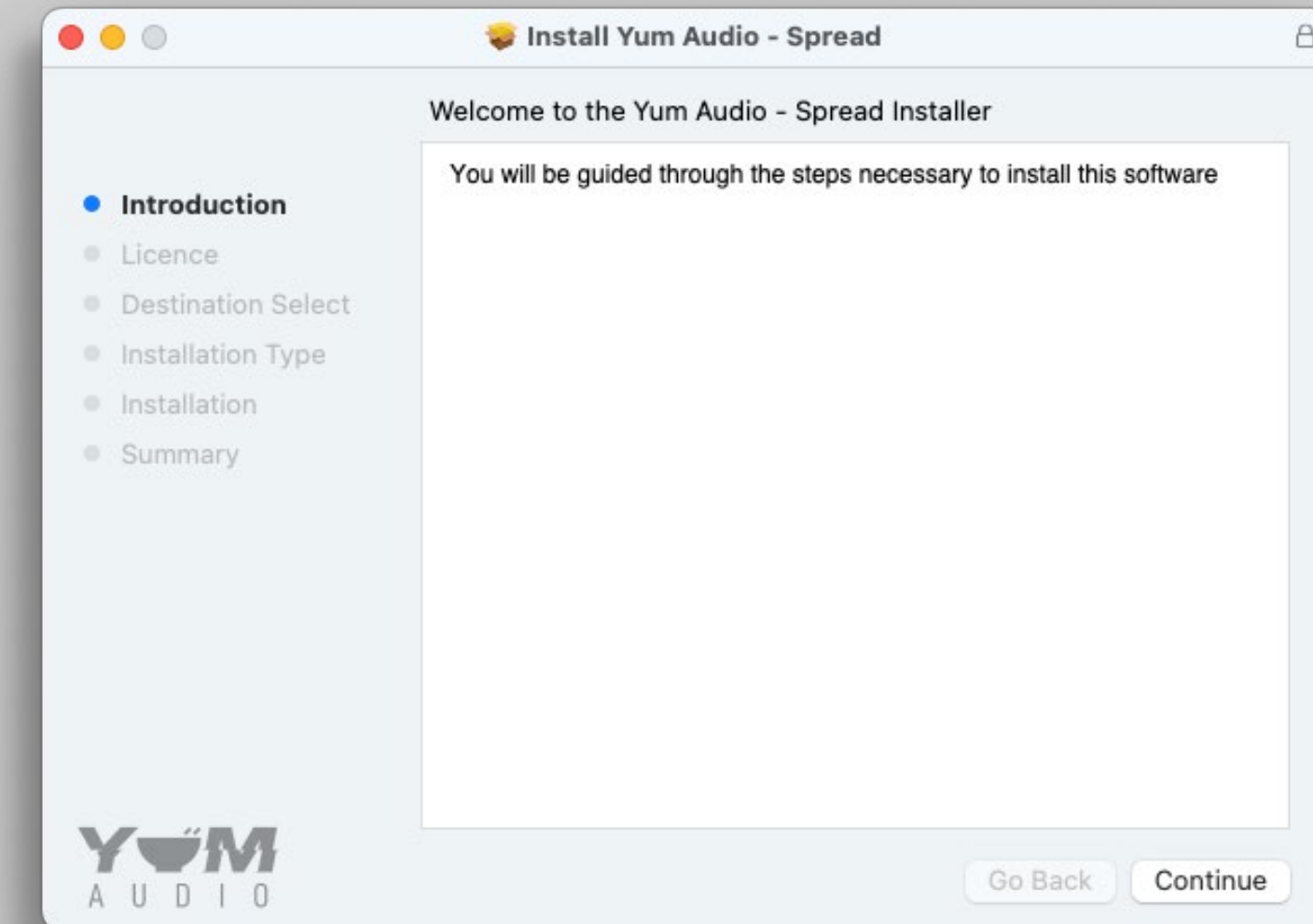
## Apple Mac

The Mac installer will automatically install every plugin to the relevant path on your system.

To start the installation on Mac launch the corresponding .pkg file of the plugin installation you [downloaded](#).

This will automatically launch the Yum Audio installer and [guide you through the installation](#).

Select the plugin types you require and click [Continue](#) to start the installation.



Plugins are installed to the following locations [on Mac](#):

AU Plugin:

/Library/Audio/Plug-Ins/Components

VST3 Plugin:

/Library/Audio/Plug-Ins/VST3

AAX Plugin:

/Library/Application Support/Avid/Audio/Plug-Ins

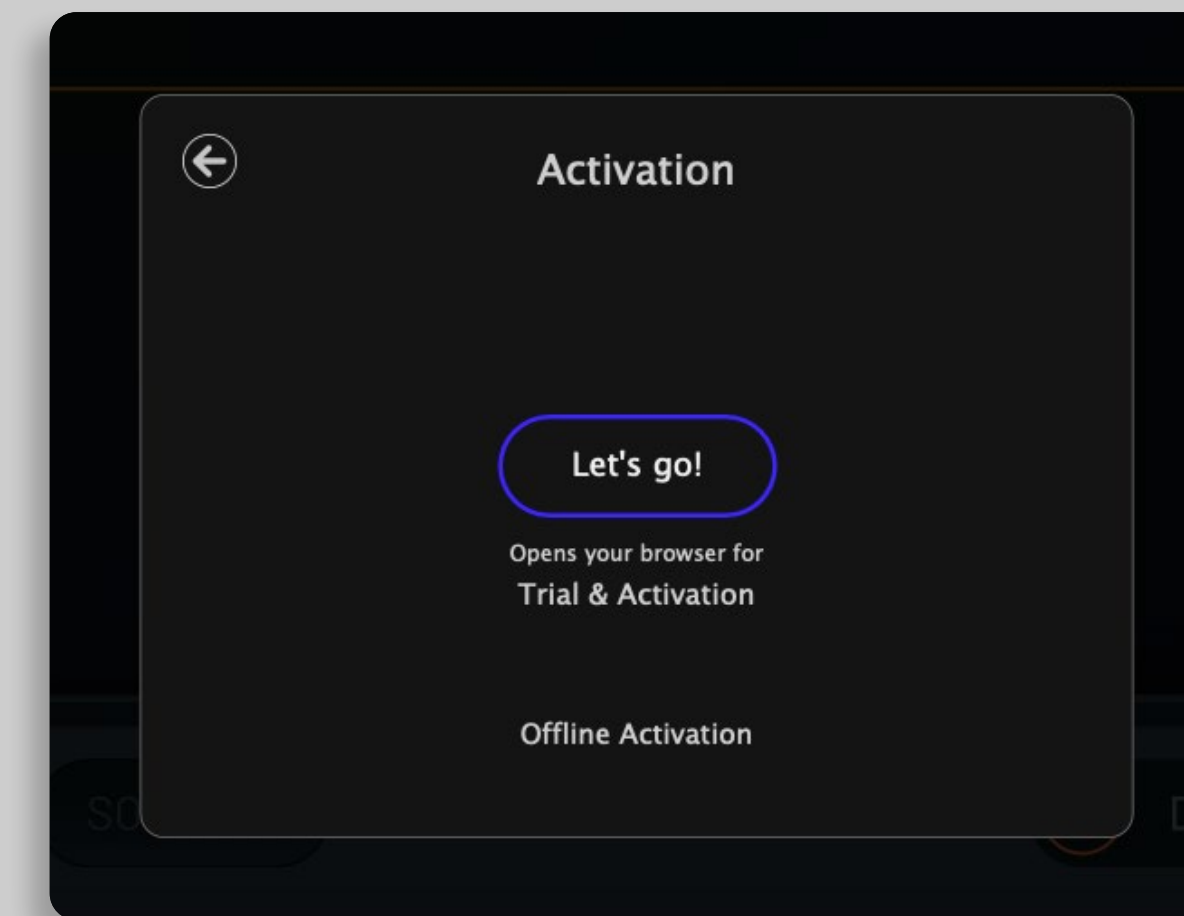
## 1.2 LICENSE ACTIVATION

### Online & Offline

Yum Audio plugins offer online and offline license activation methods as well as license deactivation.

With every purchase you get two activations, which allows you to install a plugin on **two of your workstations at a time. No dongles required!**

On a new installation of a plugin you will be prompted with the login and activation screen. While in trial mode this screen can always be accessed by **clicking on the Yum Audio logo** in the plugins menu .



## 1.2 LICENSE ACTIVATION

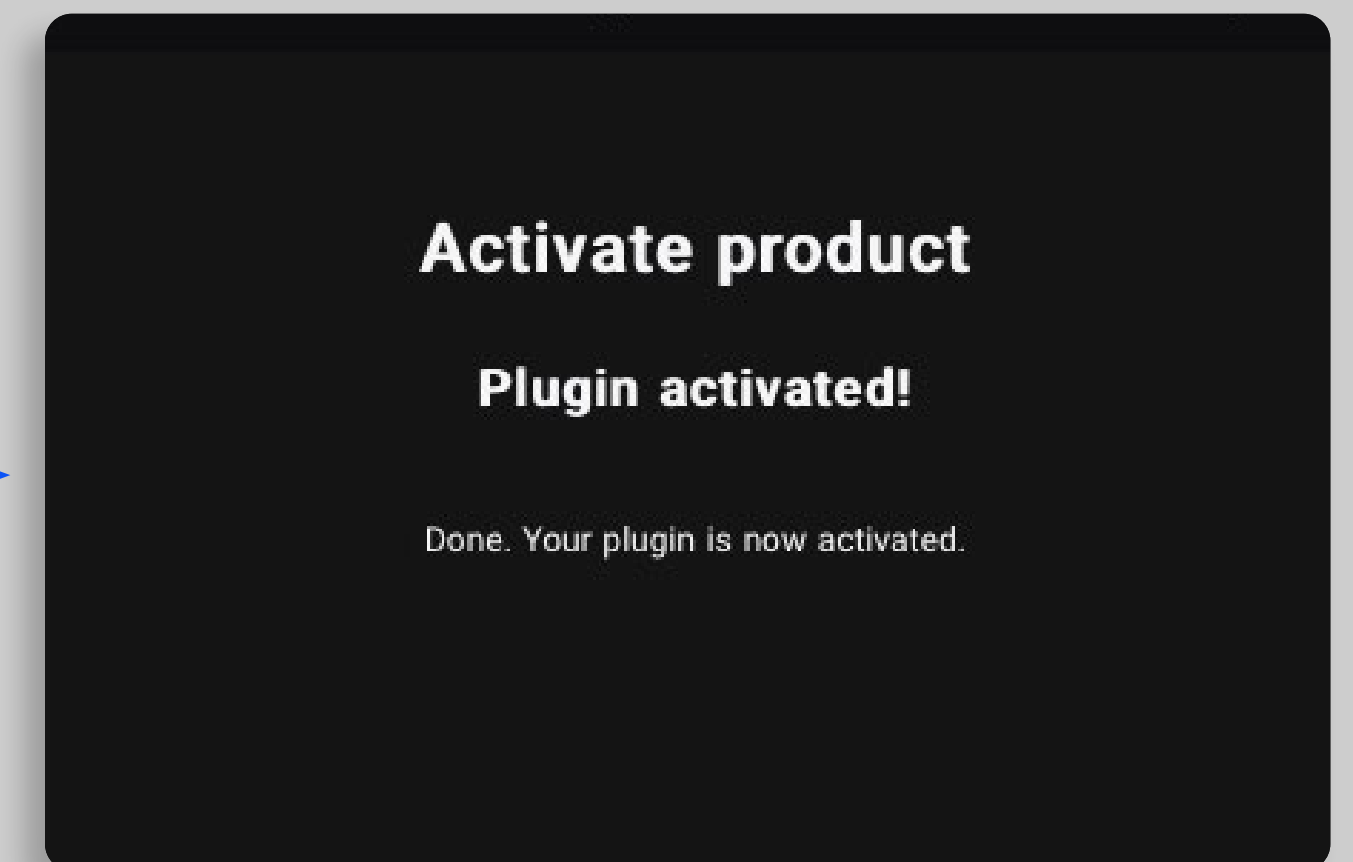
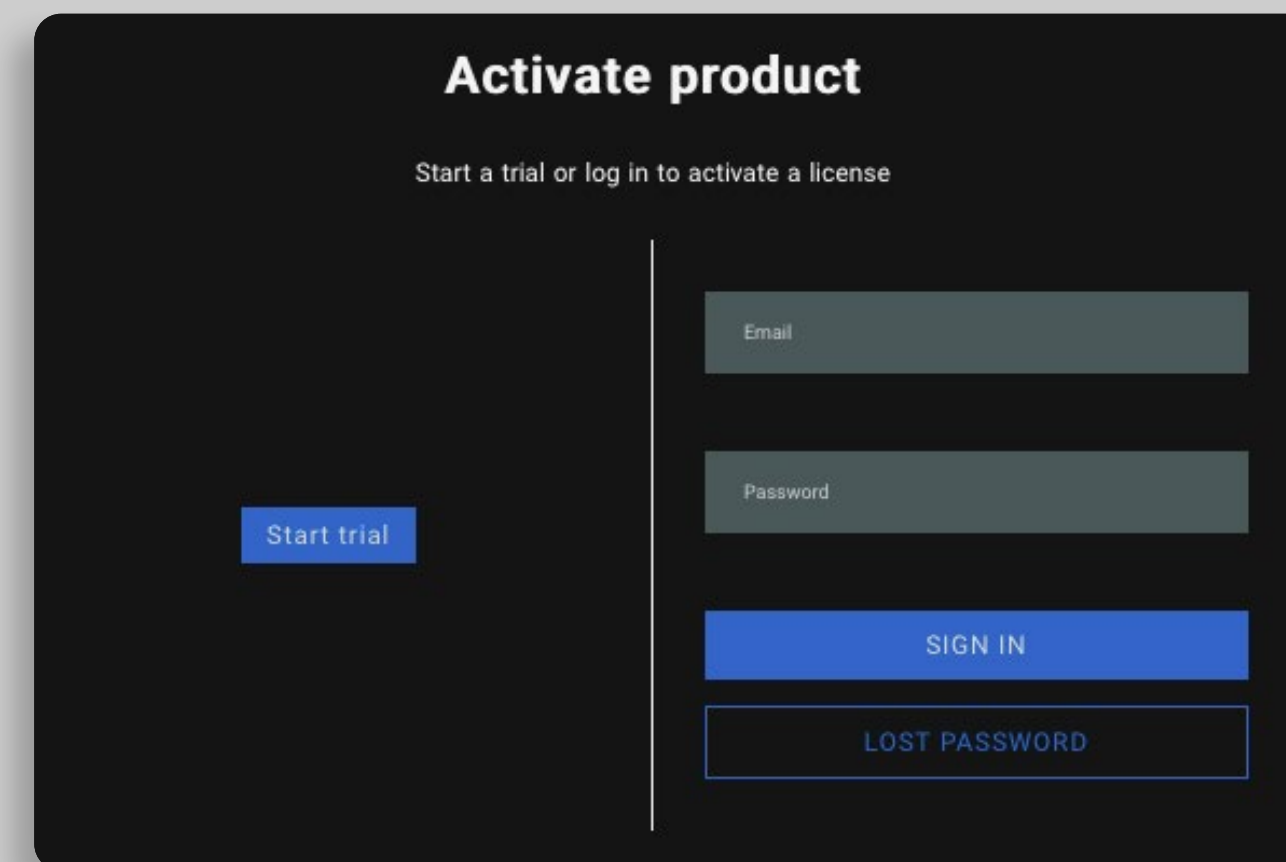
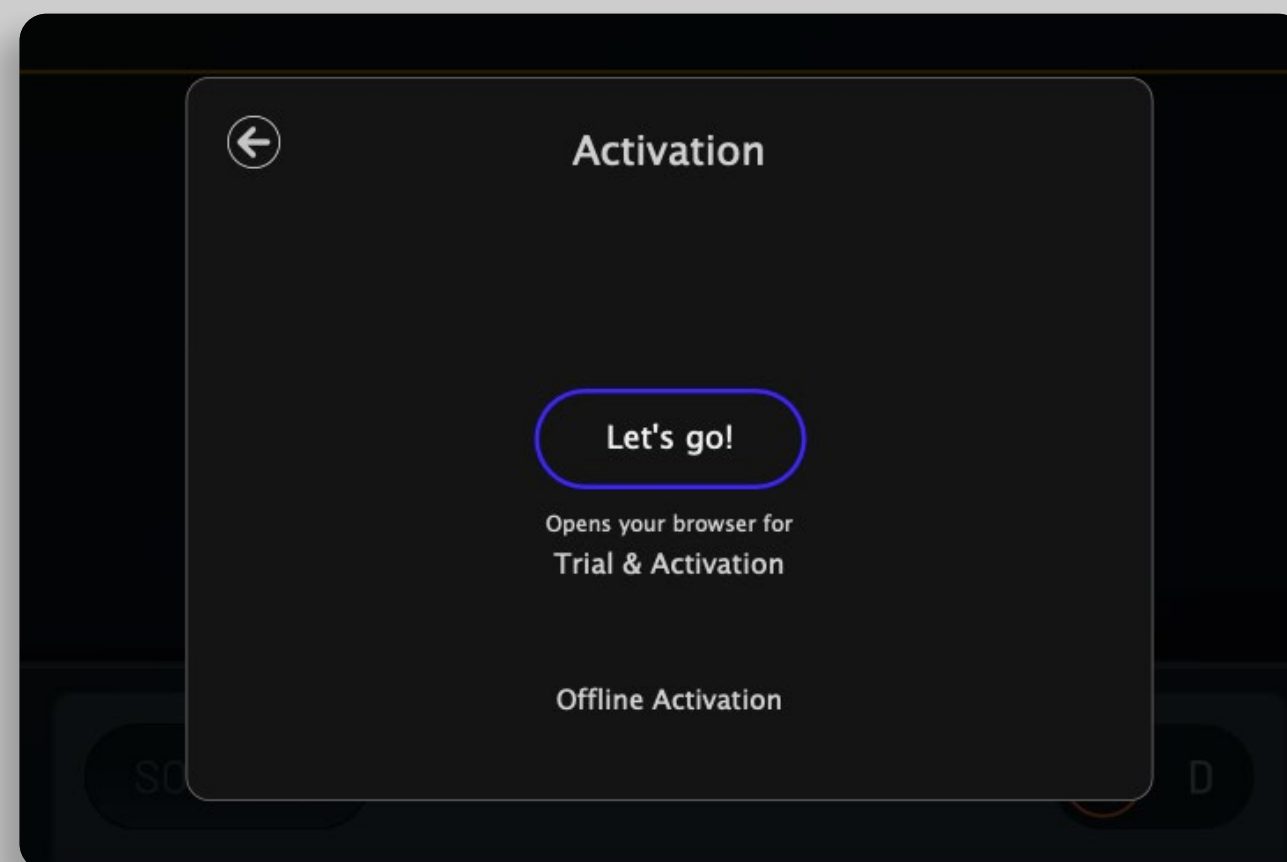
### Online

To start the automatic activation click the **Let's go!** button in the top middle of your activation screen.

This will open your **browser** and direct you to the Yum Audio activate license webpage.

Afterwards the plugin will **activate automatically** and you can return to your DAW and start creating!

If you are not already logged in on the Yum Audio webpage you will have to **enter your Yum Audio login** credentials on the page.





## 1.2 LICENSE ACTIVATION

### Offline



If you have a machine without access to the internet that you would like to activate, choose Offline Activation by clicking on the option below the login button.

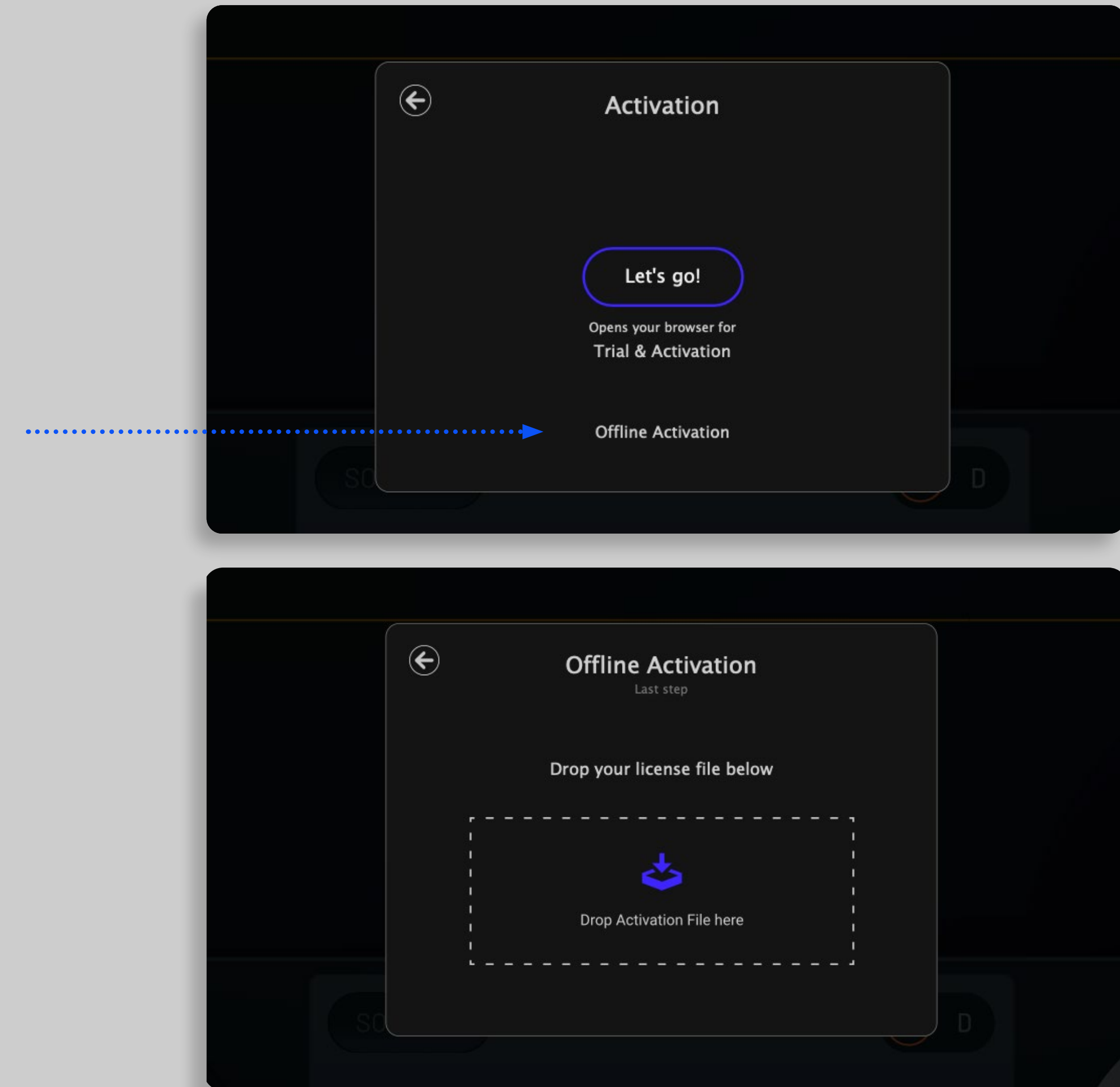
For the activation process generate a file that contains your machine ID by clicking on the [Generate License File](#) button.

Copy this file to a machine with access to the Internet and go to [www.yumaudio.com/activate](http://www.yumaudio.com/activate) to create a license.

You will receive a license file from the webstore that you can select on your offline machine by either **dropping it directly** onto the button with the little arrow or clicking the button and **selecting the file manually**.

This will activate your offline machine with a valid Yum Audio license, and you're ready to use the plugin.

Note that offline activations are **NOT REVOKABLE** and permanently bound to your machine.



## 1.2 LICENSE DEACTIVATION

### Offline & Online

On an activated plugin clicking the Yum Audio logo will show your licence info and an option to deactivate.

You can deactivate a license in any of our plugins with an active Internet connection by clicking the [Deactivate License button](#).

Deactivating a license activated online will [free up one activation](#) on your Yum Audio account and you can [activate the plugin again on another machine right away](#).

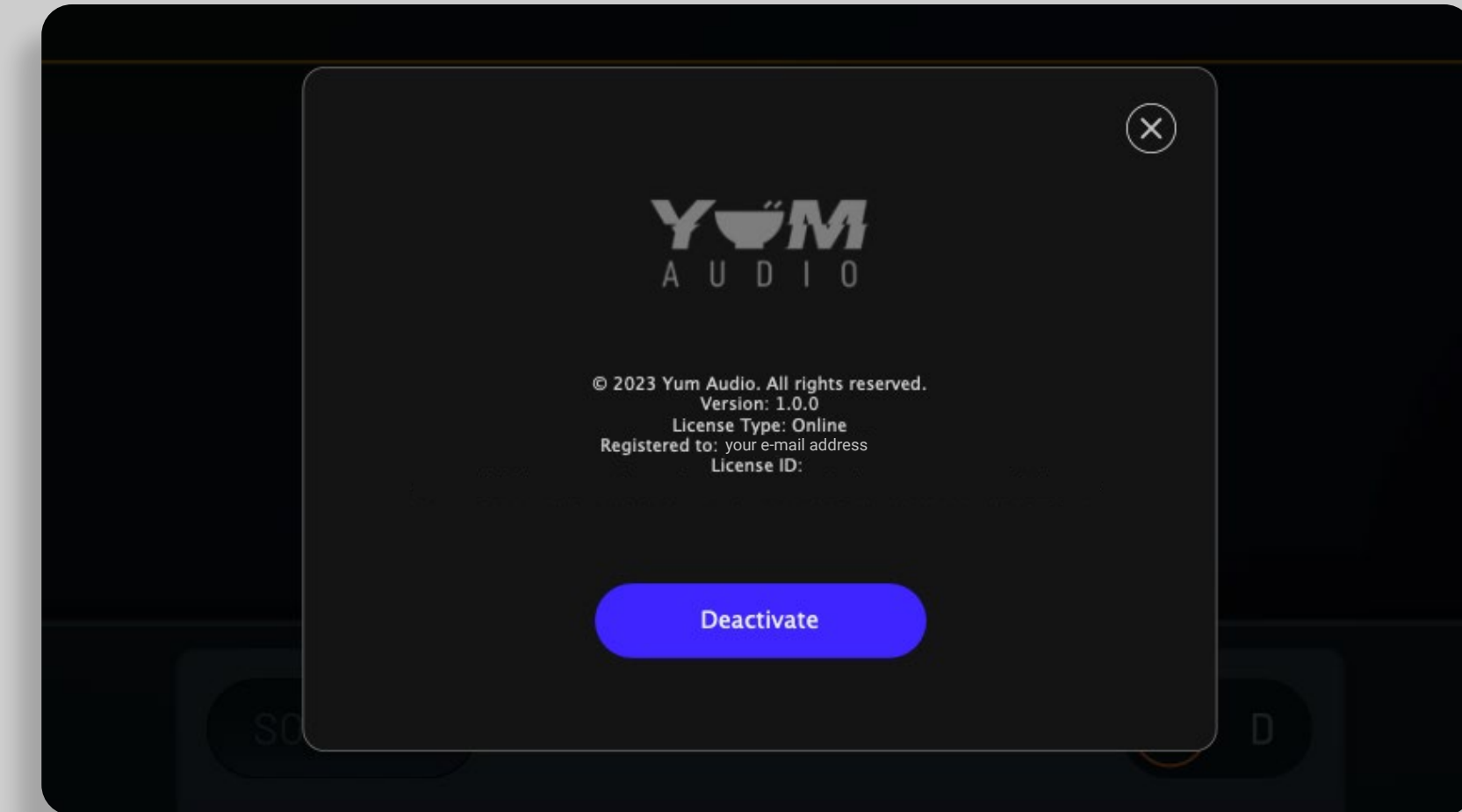
**Important:** no deactivation is allowed for machines activated offline - [every offline activation](#) will [permanently remove one of the activations from your account](#).

### Get more activations for a purchased plugin

Every purchase of a plugin comes with [two activations](#) of the plugin license in your Yum Audio account. Due to the option of deactivation of the online licenses this should have you covered for all of your devices in the future.

If you are a larger studio or academic institution, or if you want to increase your personal license count, this can be done [simply by buying another issue](#) of the plugin from the Yum Audio store.

[Every purchase will grant 2 licenses](#) in your account. This way you can easily manage larger studio setups with many machines from a single Yum Audio user account.



## 2. THE MENU BAR

### Menu Bar

The Yum Audio menu bar is shared across all Yum Audio plugins.



The menu bar offers access to global functions of each of our plugins:

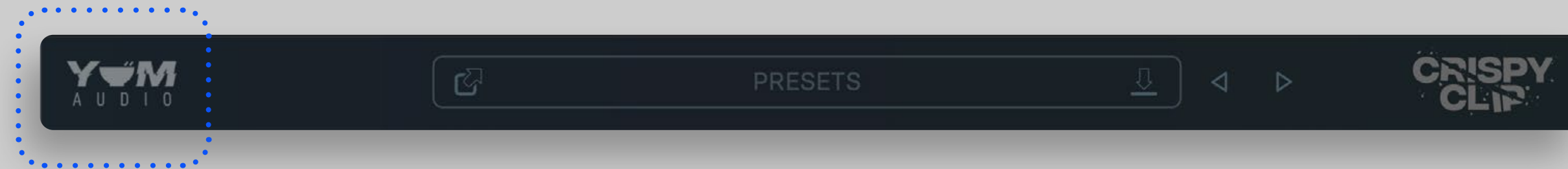
Plugin info & license status

Preset browser, loading, saving and selecting presets

## 2. THE MENU BAR

### Plugin info & license status

You can open the plugin info & license status by clicking on the [Yum Audio logo](#) in the top left corner of the plugin.



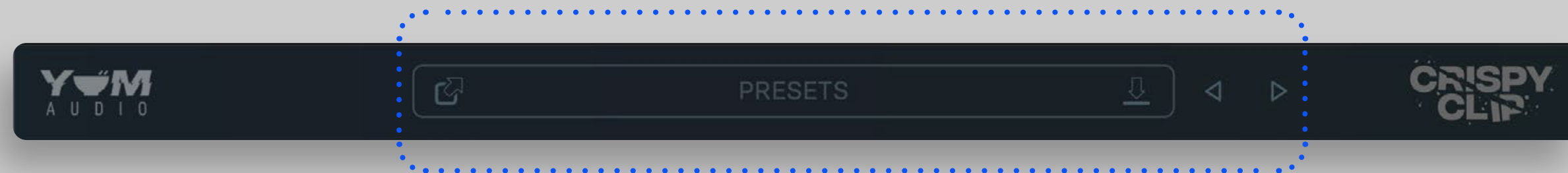
This will open the plugin info window where you can see the version number and the license status of your activation or trial.



Each of our plugins has its own logo as part of the interface on the right side of the menu bar.

Clicking on the [logo will open the respective manual for each plugin.](#)

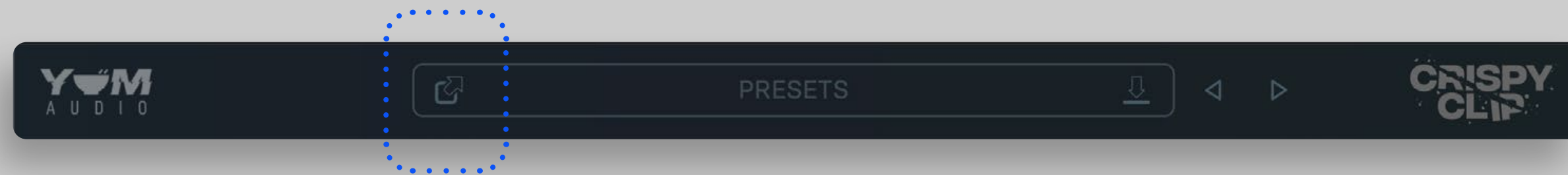
### The preset tab



All functions that you need to save, load, and maintain your presets are located in the preset tab.

## 2. THE MENU BAR

### Locate preset folder



The locate preset folder button to the left of the preset tab allows you to [access presets on your PC or Mac file system](#). This will open the Finder if you are on a Mac, or File Explorer if you are on Windows.

You can reorganize, rename, or sort presets to separate folders.

The [plugin will automatically update all the changes](#) you make.

### Preset name

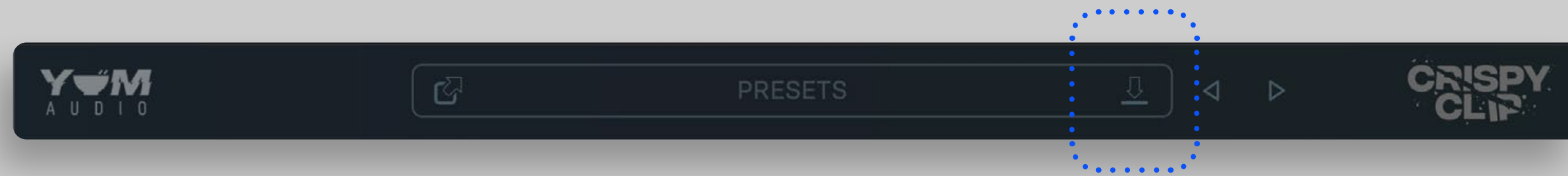


The preset tab shows the name of the currently loaded preset. By clicking anywhere in the tab the Yum Audio preset browser will open.

## 2. GLOBAL CONTROLS

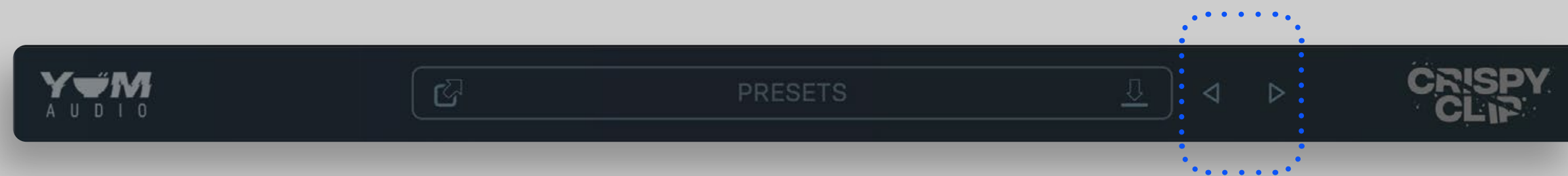
### Save presets

Click on this button to save a new preset of the current plugin state so that you can use it later.



### Preset selectors

These two arrows will allow you to instantly switch to the previous or next preset in alphabetical order.



## 2. THE PRESET BROWSER

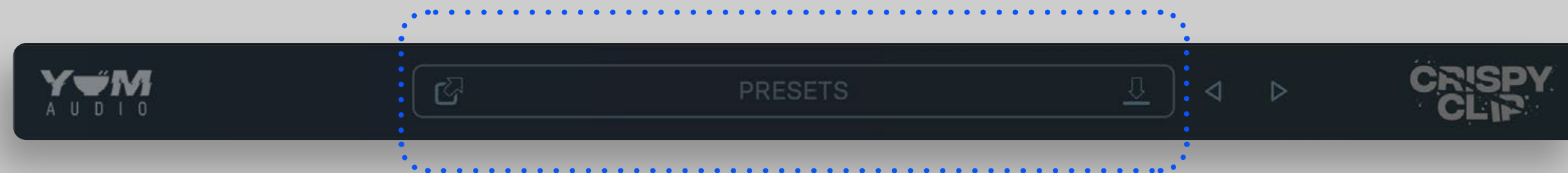
The preset browser is at the heart of every Yum Audio plugin and allows instant access to all your Yum Audio presets.

### Accessing the preset browser

You can open the preset browser by [clicking on the preset tab](#) in the menu bar.

In the preset browser you will see [all factory and user presets](#) of the loaded plugin.

The preset browser can be closed by clicking on the close button in the upper right corner, the preset tab in the menu bar or [any empty space in the menu bar](#).



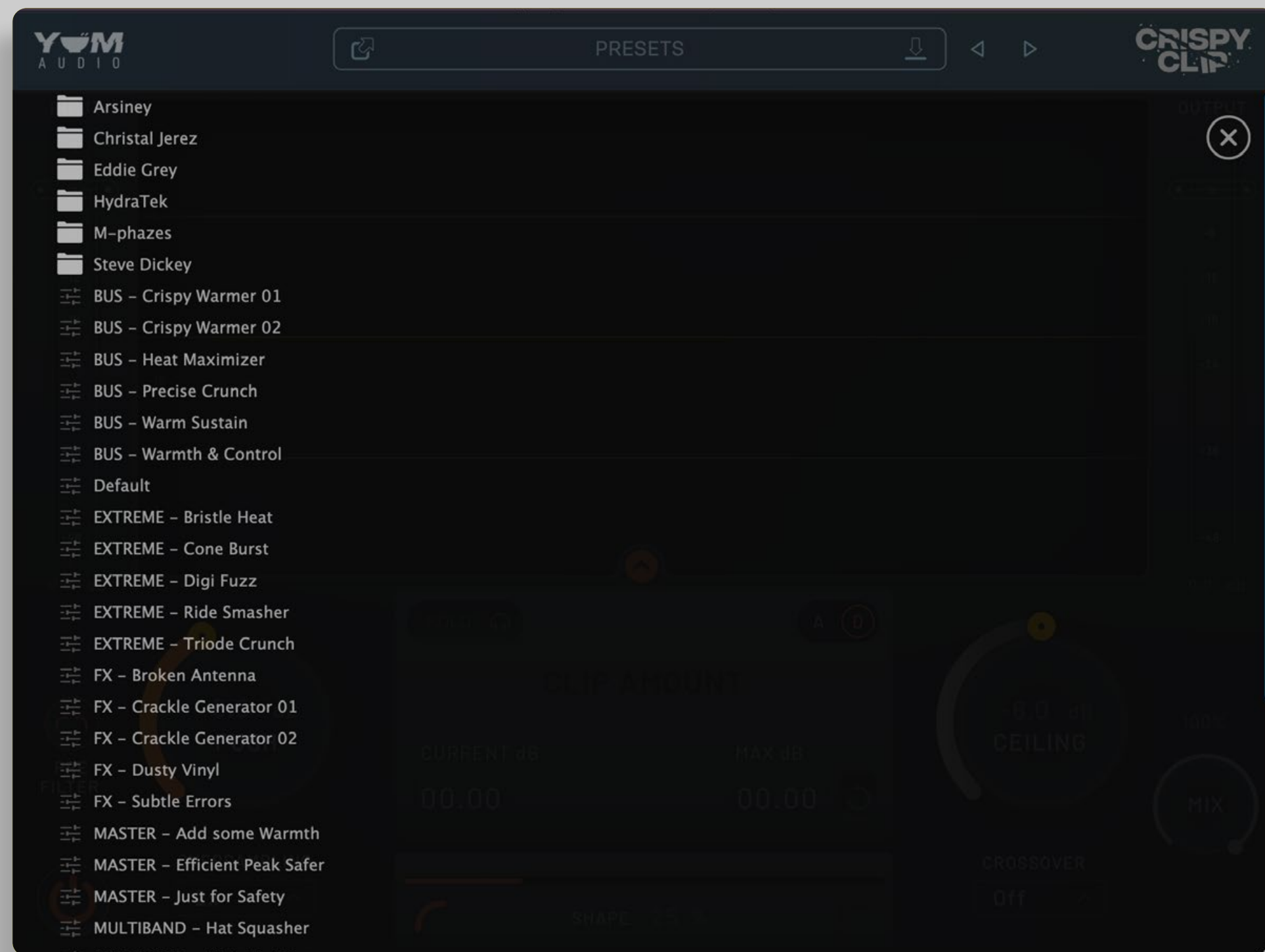
## 2. THE MENU BAR

### Previewing and selecting presets

To load a preset **single-click** on any entry.

You can also load a preset and immediately close the preset browser by

**double-clicking** on an entry.



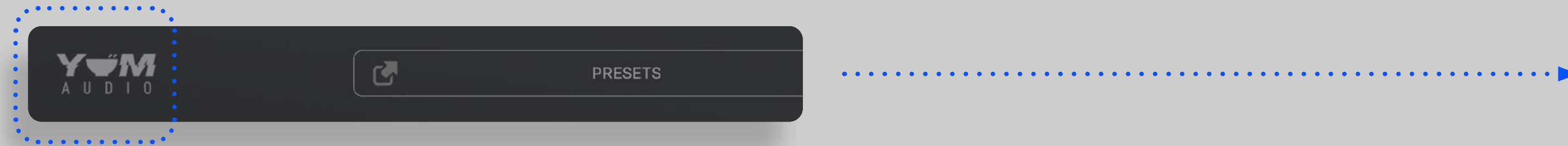
To organise presets or access them on your PC or Mac click the **Locate Preset Folder** icon to the left of the preset tab.

This way you can organize and rename presets or sort them to separate folders. The plugin will automatically pick up all the changes you make.



## 2. THE MENU BAR

### Window Size of the plugin



By clicking on the Yum Logo and navigating to the Licensing Screen, you can view and modify the window size of the plugin.

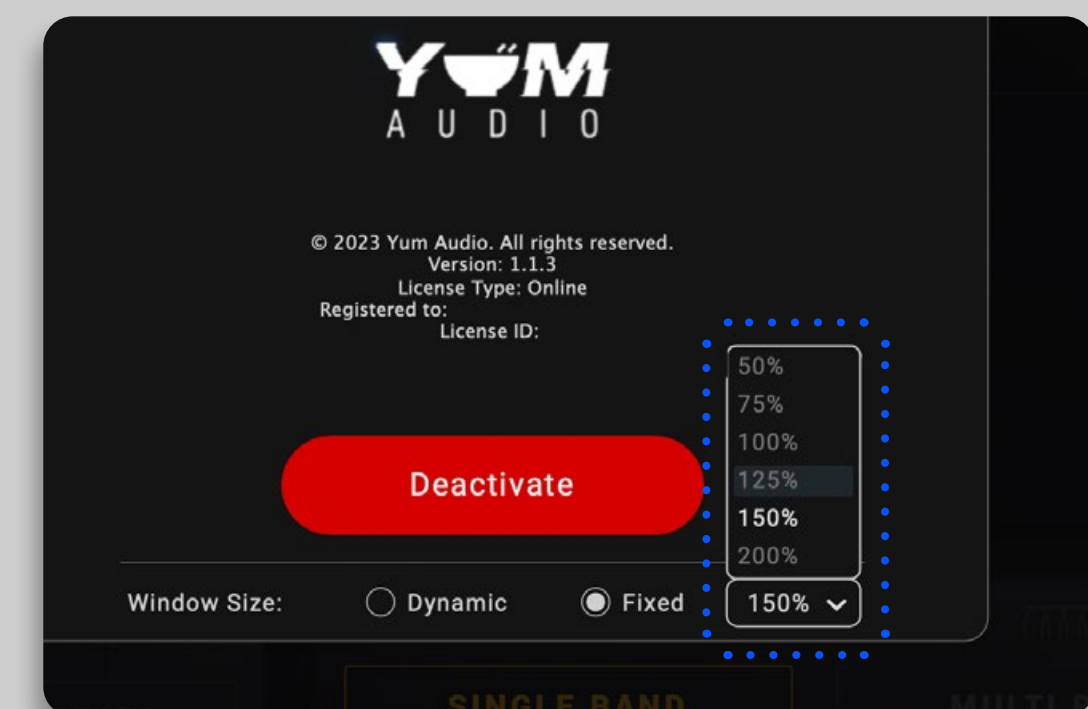
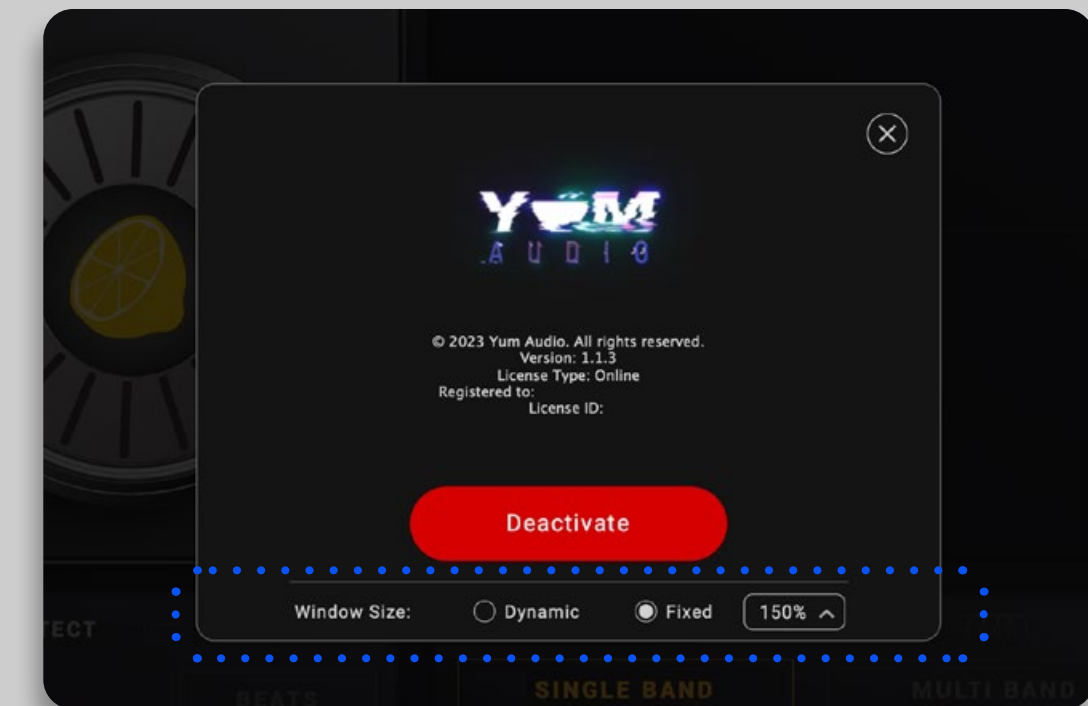
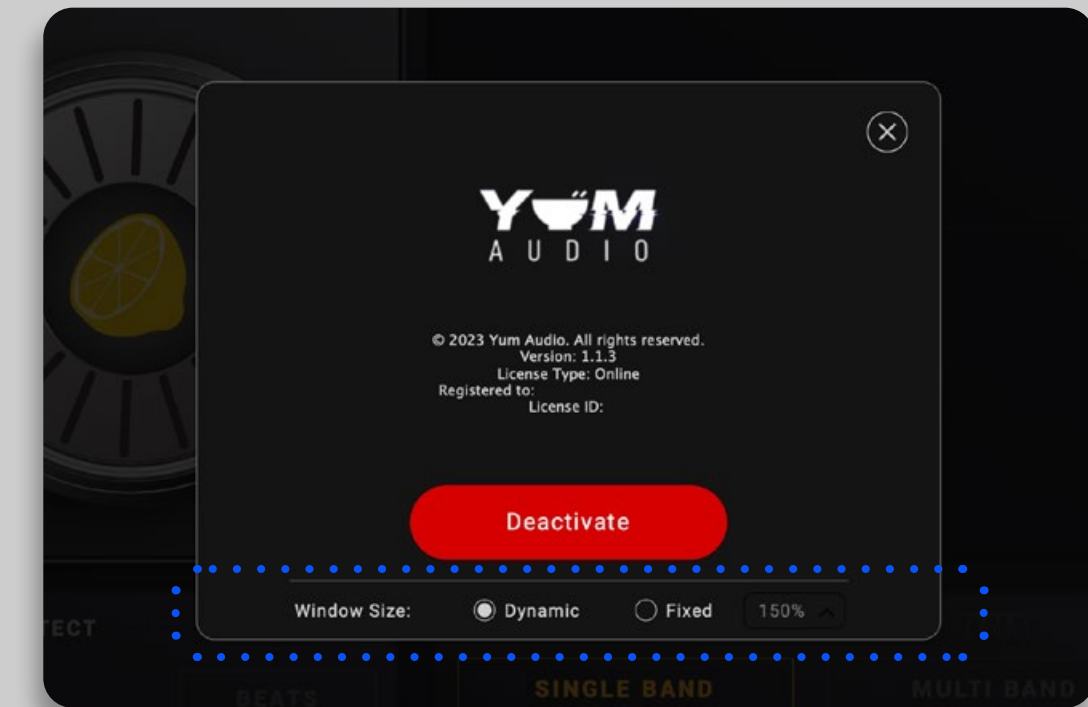
There are two modes to choose from: [Dynamic](#) and [Fixed](#).

In [Dynamic Mode](#), the plugin window [opens at the size you previously set](#). You can adjust the size by dragging the handle at the lower right corner. The [plugin will remember your preferred size](#), ensuring it retains the same dimensions the next time you open or load it.

In [Fixed Mode](#), you can [establish a fixed window size for the plugin](#). Various percentage values are available in the dropdown for the window size, with 100% being the default.

You can either type a value directly into the dropdown, select one of the sizing presets, or rely on the value updated from your Dynamic Mode resizing. For the latter, [first set the window size](#) with Dynamic Mode selected, and [then click Fixed Mode to lock](#) in that size. Even though you can adjust the window size by dragging the handle at the lower right corner, in [Fixed Mode the plugin will always revert to the size you've statically defined upon reopening](#).

This mode is ideal for users who [prefer a consistent window size during their sessions](#).



### 3. PLUGIN FEATURES & CONTROLS

#### Overview

Welcome to Crispy Clip, a versatile audio plugin by Yum Audio that provides you with [extraordinary control over audio clipping](#) to [achieve precise and dynamic sound shaping](#).

Crispy Clip is specifically designed to enable you to [transition smoothly between soft to hard clipping](#) and an intuitive GUI including an informative waveform display for [real-time signal processing results](#).

Whether you are a mixing engineer aiming to give your drum tracks punch, an audio producer refining your instrument tracks, or a sound designer experimenting with clipping as a creative tool, Crispy Clip is a versatile clipping tool, that will fit your needs.

Let's dive into in the wealth of creative possibilities that Crispy Clip has in store for you.



### 3. PLUGIN FEATURES & CONTROLS

#### Clipper Section

The **Clipper Section is the heart** of the Crispy Clip plugin, where the main parameters - Push and Ceiling - are located.

These two parameters work together to shape your audio signal and achieve optimal clipping results. The **dynamic interplay between Push**, which drives the audio harder into the clipper, and **Ceiling, which sets the clipping threshold**, allows for precise control over the sound.



### 3. PLUGIN FEATURES & CONTROLS

#### Push

The Push parameter ranges from 0 to 48dB, determining **how much the audio signal is driven into the clipper**. By increasing the Push value, you can achieve a more aggressive sound, **giving you the ability to add intensity and energy to your audio**.

However, it is essential to use the Push parameter wisely in relation to the Ceiling parameter to craft the perfect balance between audio warmth and distortion.

#### Ceiling

The Ceiling parameter spans from 0 to -48dB and is responsible for defining the clipping threshold.

Leaving the Ceiling value close to 0, sets a high clipping threshold, **creating a subtle effect on your audio signal**. Conversely, lowering the Ceiling towards -48dB results in a more pronounced clipping effect.

Combining the Ceiling parameter with the Push parameter in tandem helps you strike the **ideal balance between preserving audio dynamics and attaining desired clipping** outcomes.



## 3. PLUGIN FEATURES & CONTROLS

### Shape

Crispy Clip's Clip Shape control offers you the flexibility to **blend between the tonal qualities of soft and hard clipping modes**, broadening the range of sonic possibilities.

This parameter ranges from 0% to 100%, with 0% signifying a more analog-sounding soft clipping and 100% corresponding to a more digital, hard clipping mode.

### Soft Clipping

At 0% Clip Shape, the plugin will provide an analog-like soft clipping, **gently curving the audio signal as it approaches the ceiling level**. This characteristic imparts a **smoother, warmer saturation to your audio**, while preserving most of the signal's innate dynamics.

### Hard Clipping

Choosing 100% Clip Shape results in a **digital-style hard clipping**, where the audio is **abruptly cut off when it reaches the ceiling level**. This setting enables more precise and aggressive processing of the sound, which lends itself well to the creation of **more prominent harmonics and noticeable saturation** effects.

The Clip Shape parameter's true strength resides in its **ability to morph smoothly between these soft and hard clipping modes** by adjusting percentage values. This transition enables you to explore a **wide spectrum of clipping character**, including different harmonics and saturation levels, tailor-made for your sound processing requirements. By adjusting the Clip Shape control, not only can you achieve traditional clipping effects, but also utilize it as a **creative tool for sound design purposes**.



### 3. PLUGIN FEATURES & CONTROLS

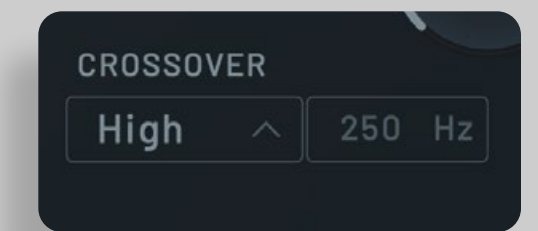
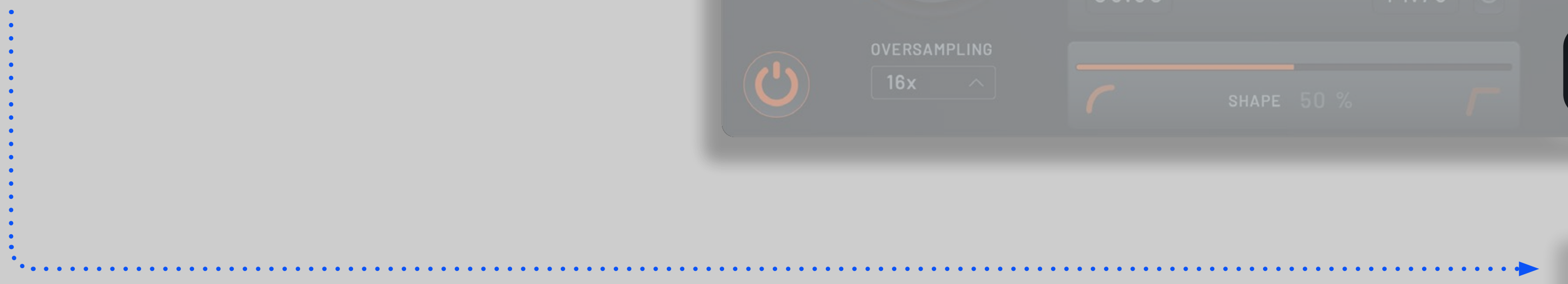
#### Crossover Control

The Crossover Control feature in the Crispy Clip plugin is designed to provide you with **enhanced flexibility and precision when clipping** your audio signal. It consists of a crossover menu selector, which is **set to Off by default**, and an adjustable crossover frequency control. By selecting either the low or high band from the crossover menu selector, you **choose to process only specific parts of the frequency split**.

When the **low band** is selected, the clipping process will be applied **exclusively to the frequencies situated below your designated crossover point**, ensuring that the high-frequency content remains untouched.

When choosing the **high band**, only the **frequencies above the crossover point** will be subjected to clipping, while the low-frequency content is preserved unaltered.

The **crossover frequency can be set once the control becomes visible** after either the low or high band has been selected.



### 3. PLUGIN FEATURES & CONTROLS

#### Pre Filter

The Pre Filter is a [special feature in the Crispy Clip](#) plugin that allows you to [engage high-pass and low-pass filters before the clipping](#) stage.

By activating the Pre Filter toggle, you can [significantly improve the cleanliness and reduce artifacts in the clipping process](#), ensuring that only the desired frequency content reaches the clipping stage.

By filtering out inaudible and unnecessary frequencies from the input signal, the Pre Filter toggle streamlines the clipping process, allowing Crispy Clip to [deliver high-quality and artifact-free results](#).



### 3. PLUGIN FEATURES & CONTROLS

#### Input Gain

Located on the left side of the interface, the Input Gain Control allows you to **adjust the gain of the incoming audio signal**. The input peak meter displays the peak level of the input signal, making it easy for you to monitor the incoming audio. The adjustable handle overlaid on the input peak meter enables **smooth gain adjustments**.

#### Output Gain

The Output Gain Control, located on the right side of the interface, functions similarly to the Input Gain Control but **for the output signal**. Allowing you to monitor the overall clipping results. The adjustable handle overlaid on the output peak meter can be used to fine-tune the output gain. The Output Gain Control is particularly useful in **maintaining an appropriate gain level throughout the processing chain**, avoiding overloading, and achieving a clean, polished sound.





### 3. PLUGIN FEATURES & CONTROLS

#### Mix

The Mix Control feature in Crispy Clip provides you with the ability to **blend the dry, unprocessed signal with the clipped and processed signal**.

By allowing you to adjust the balance between the dry and clipped signals, Mix Control offers the flexibility to create a more nuanced and controlled sound.

When using Crispy Clip for aggressive distortion or saturation, you can **utilize the Mix Control to dial back the intensity** and seamlessly blend the processed signal with the original dry one. This approach can significantly **enhance the overall punch, character, and richness of your audio** while preserving the natural dynamics.



Note: Keep in mind that using the Mix Control to blend the dry and unprocessed signal with the processed one can cause peaks to go above the ceiling level, as the dry signal is not clipped.



## 3. PLUGIN FEATURES & CONTROLS

### Clip Amount Display

The Clip Amount Display Section lies at the heart of the Crispy Clip plugin and offers a comprehensive display for **monitoring levels of clipping in real-time**. With both an analog and digital view, users have the flexibility to **choose the most suitable visual representation for their workflow**. To switch between these modes, simply **click the 'A' or 'D' toggle**.

### Analog Metering

The analog view presents a slick, LED-based meter reminiscent of traditional analog hardware. With this meter, **gain reduction levels are instantly perceivable** and allow you to **quickly assess clipping amounts**.



### 3. PLUGIN FEATURES & CONTROLS

#### Clip Amount Display

##### Digital Metering

The digital view provides **two numeric readouts to monitor the precise clipping levels**. The 'Current Max Clip' box shows the **maximum clipping amount** achieved while the plugin is running, while the 'Max Clip All Time' box displays the **all-time maximum clipping amount**. To reset the 'Max Clip All Time' value, click the **reset icon adjacent to the readout**.

##### Clip Solo

The Clip Amount Display Section is also equipped with a 'Solo' toggle, marked by a headphone icon. Engaging it **isolates only the clipped signal**, allowing you to meticulously **fine-tune your settings by ear, detect potential errors, or creatively extract dynamic content** from a sound.



## 3. PLUGIN FEATURES & CONTROLS

### Oversampling

Crispy Clip offers an **oversampling** feature that allows you to enhance the audio quality and **reduce aliasing artifacts** during the clipping process. Oversampling works by **increasing the sample rate** of the audio signal before applying the clipping algorithm, resulting in a **more accurate representation of the waveform**.

Crispy Clip provides four oversampling options: **2x, 4x, 8x, and 16x**. Each increase in oversampling factor provides a higher level of precision and fidelity in the clipping process. When oversampling is enabled, the audio signal is upsampled by the selected factor before being processed by the Clipper Section. This increased sample rate ensures that **high-frequency content is accurately captured**, reducing the possibility of aliasing distortion and other unwanted artifacts.

The oversampling feature is particularly useful when working with highly dynamic or complex audio material. It allows for **more precise control over the clipping process**, ensuring that even subtle nuances in the audio are preserved while achieving the desired clipping effects.

To enable oversampling, simply select the desired oversampling factor from the options provided in the plugin's interface.



Note that oversampling affects the plugin's overall CPU usage, so it's recommended to use it judiciously based on the specific requirements of your project.

### 3. PLUGIN FEATURES & CONTROLS

#### Waveform View

The Waveform View is an essential part of Crispy Clip designed for [visualizing the processed audio signal](#). This allows you to [closely monitor the effects of clipping](#) on your audio while you're fine-tuning the parameters

Below the Waveform View, you'll find an arrow icon that, when clicked, expands a menu with further settings. These [options offer customization to tailor the display to your preferences](#) while shaping the sound. Let's explore each option in detail.



### 3. PLUGIN FEATURES & CONTROLS

#### Waveform View

##### Clip Indicator

The Clip Indicator **changes the color of the waveform** when clipping occurs. This feature enables a **fast and clear visualization** of when and where clipping is happening, as well as the duration of the effect. You can toggle this option on or off according to your needs.

##### ABS Waveform

The ABS Waveform option displays the waveform **in an absolute manner, essentially cropping it in half**. This feature enhances the representation of transients and dynamics, **offering more detail and resolution**. When turned off, the Waveform View reverts to a traditional display, showing both the positive and negative amplitudes.

##### Scroll Mode

Scroll Mode allows you to **determine how the waveform scrolls during playback**. You can choose between **continuous scrolling** (from left to right) **or a static mode**, in which the existing waveform is overwritten as the audio progresses.

##### Resolution

This feature enables you to **set the resolution of the Waveform View** based on beat measures, such as one whole note or quarter note. This musical synchronization allows you to **visualize the clipping in relation to your music**, ensuring an intuitive and smooth workflow.



# Thank you!

Thank you for using a Yum Audio plugin!

We hope that it will take your productions to the next level and allow you to create yummy sounds and mixes - and most importantly, to have fun!

If you enjoy our plugins, let us know. We'd love to hear from you and what you created with our software.

[Your friends at Yum Audio](#)

# Support and contact

Our [FAQs](#) contain many helpful answers.

You can find them at:

[www.yum-audio.com/support](http://www.yum-audio.com/support)

Please have the following information ready to help us assist you:

- Product version and Yum Audio registered email address  
(see license screen, click on the Yum Audio logo in the plugin)
- Your DAW version (e.g. ProTools 12.1.2, Cubase 10.0.1, Ableton 10.1.0)
- Your computer and operating system (e.g. MacPro OS X 10.15.7, Windows 10)
- Description of the problem

## Corporate contact

Yum Audio GmbH & Co KG

Riefweg 21/4

88045 Friedrichshafen

Germany

Commercial register: HRA 727539 District court Ulm

[www.yum-audio.com](http://www.yum-audio.com)

[www.yum-audio.com](http://www.yum-audio.com)