

Owners Manual



FLUX MACHINE

Hello and thank you!

Thanks a lot for buying a plugin from Yum Audio!

We hope that you will experience as much fun and creativity 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 the joy of 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 something remains unclear, you can always read our FAQ online and get in touch on 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 sounds!

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)

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Introduction

LoFi Flux Machine is an instant classic effect that can be used to add appeal, life & character to any audio signal you feed into it. Its intricate mix of analog modeled tape warble, flutter as well as a versatile tone section allow the creation of anything, from subtle stereo effects to full blown creative sound transformations.

We took our established virtual tape circuits and used them in a way that gives you full control over the behaviour and accuracy of their warble and flutter effects. The plugin can create a very **clean and precise sound or one that is warm and with beautiful inconsistencies**.



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.

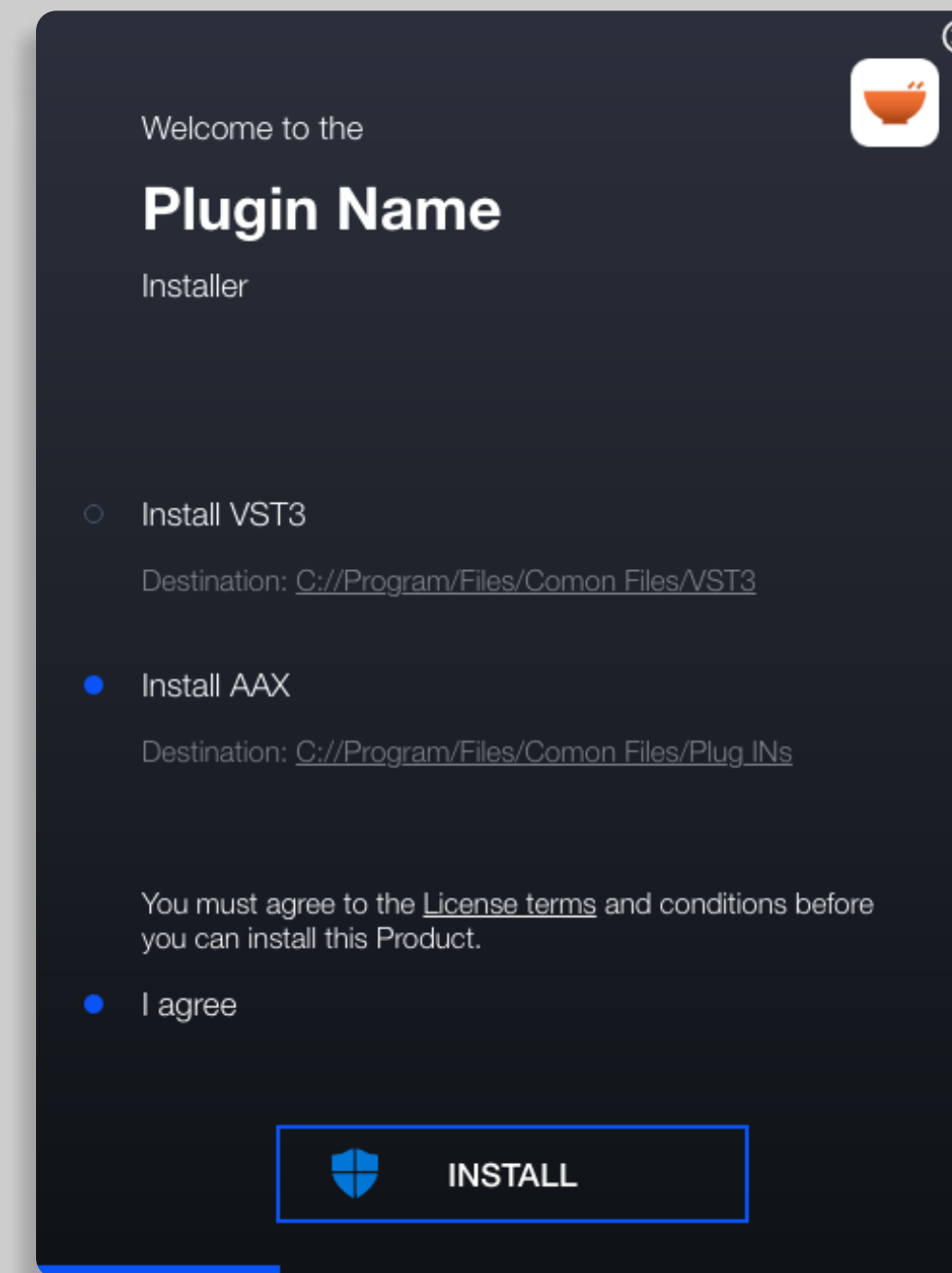
The following plugin types are available for Windows and Mac.

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

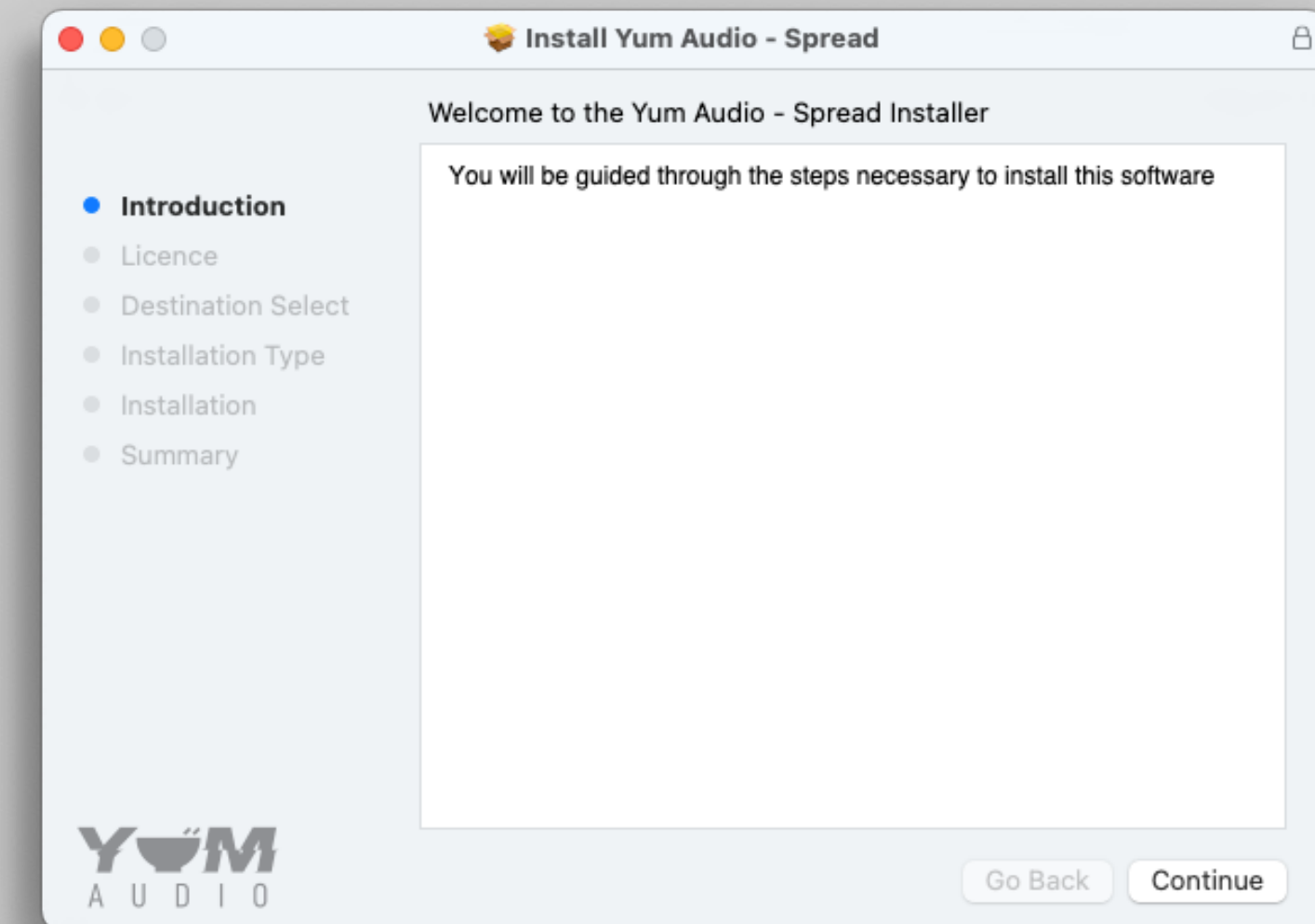
Apple Mac

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

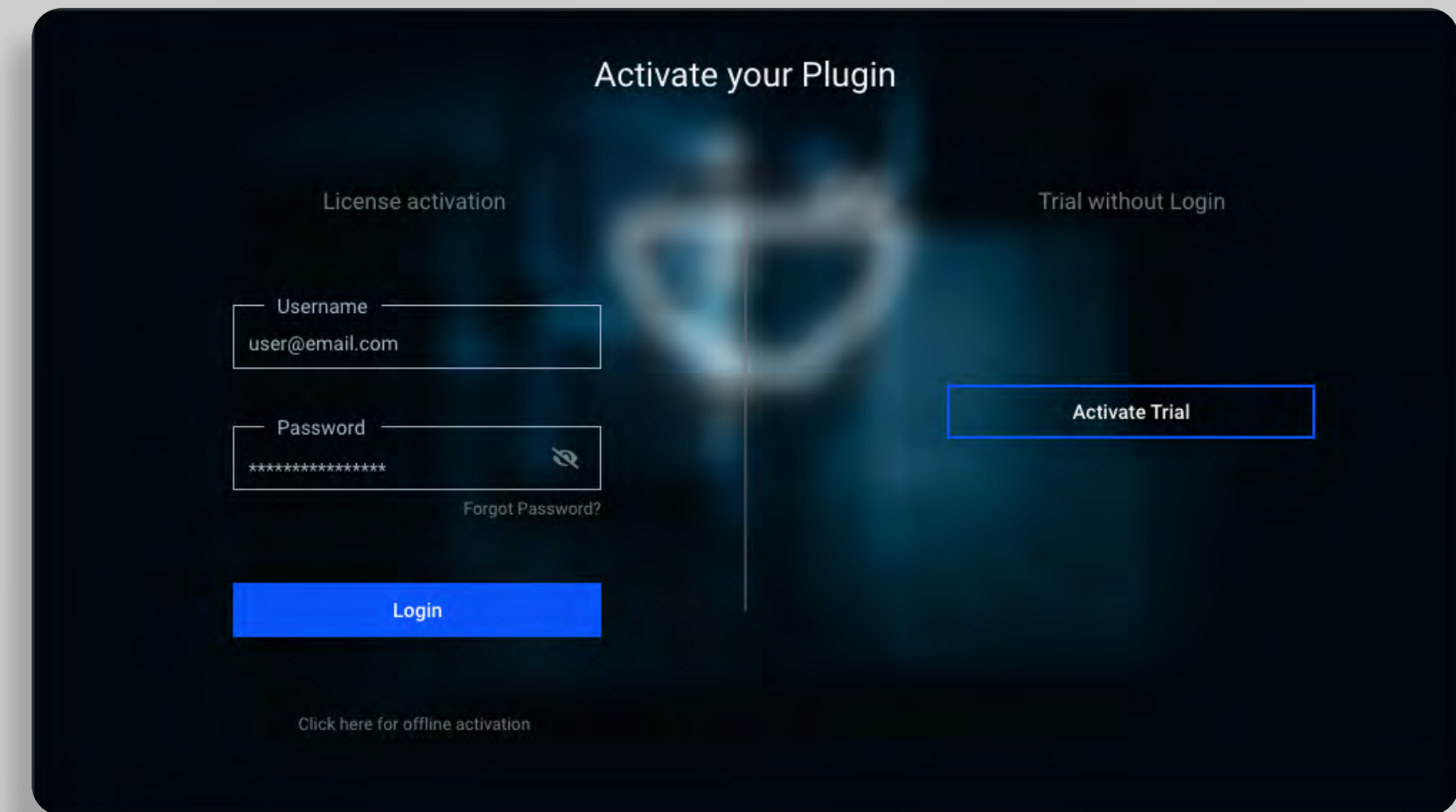
Yum Audio plugins offer online and offline license activation methods as well as license deactivation. With every purchase you get two activations, which allows you to install a plugin on two of your workstations at a time. **No dongles required!**

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 .

Activating a license online is done simply by logging into your **Yum Audio account**.

After you enter your credentials on the login and activation screen the plugin will automatically check for remaining activations in your account and if successful, it will activate your plugin on your machine.

Plugins activated online check their activation status on launch to make sure that your activation is valid. This does not mean that you can't use them without an internet connection; but if your system stays offline for more than 14 consecutive days, the plugin will logout and you'll have to go online to login again.



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.

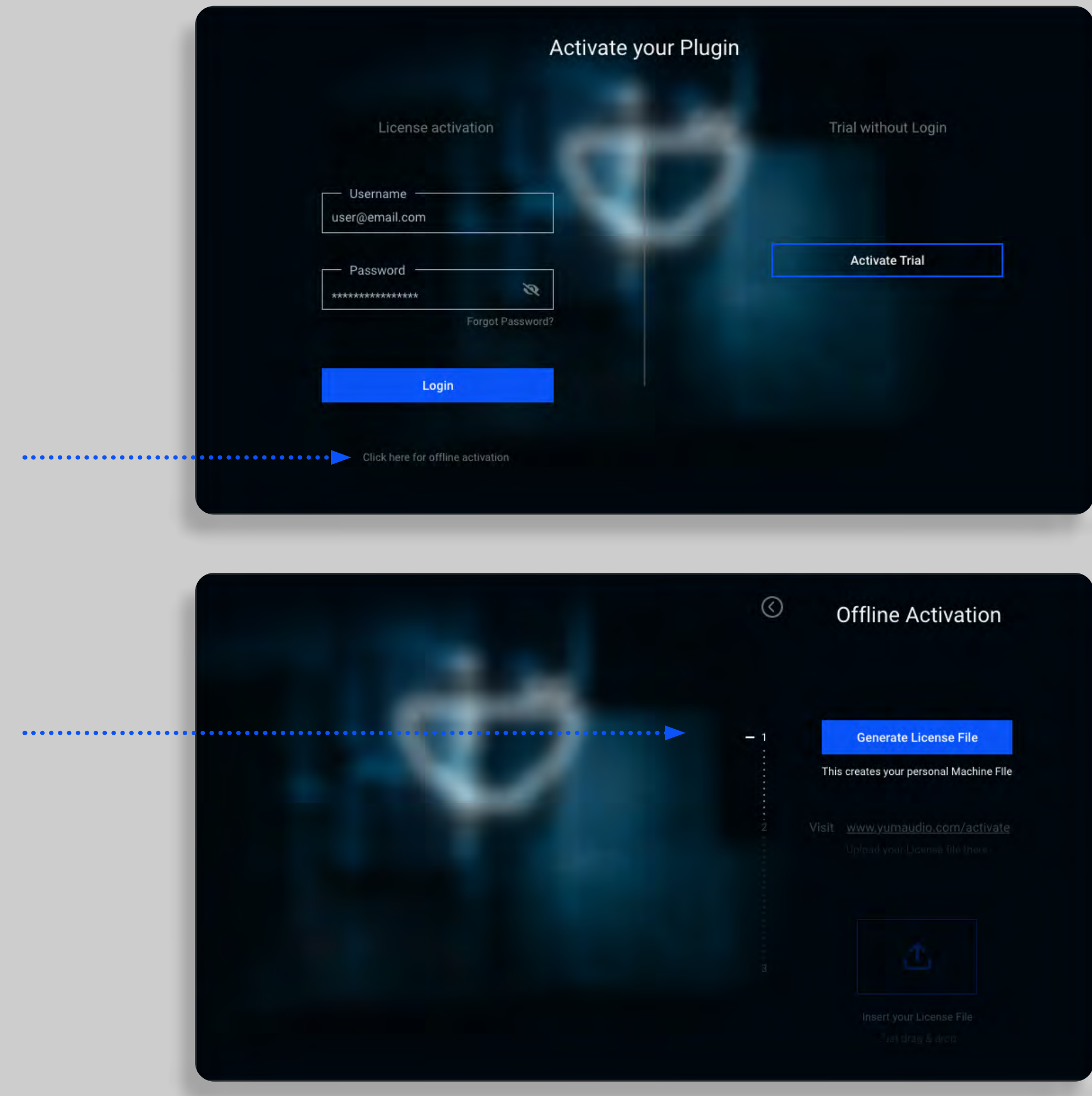
For the activation process generate a file that contains your machine ID by clicking on the Generate Machine File button.

Copy this file to a machine with access to the Internet, go to www.yumaudio.com/activate and follow the instructions.

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 LICENCE DEACTIVATION

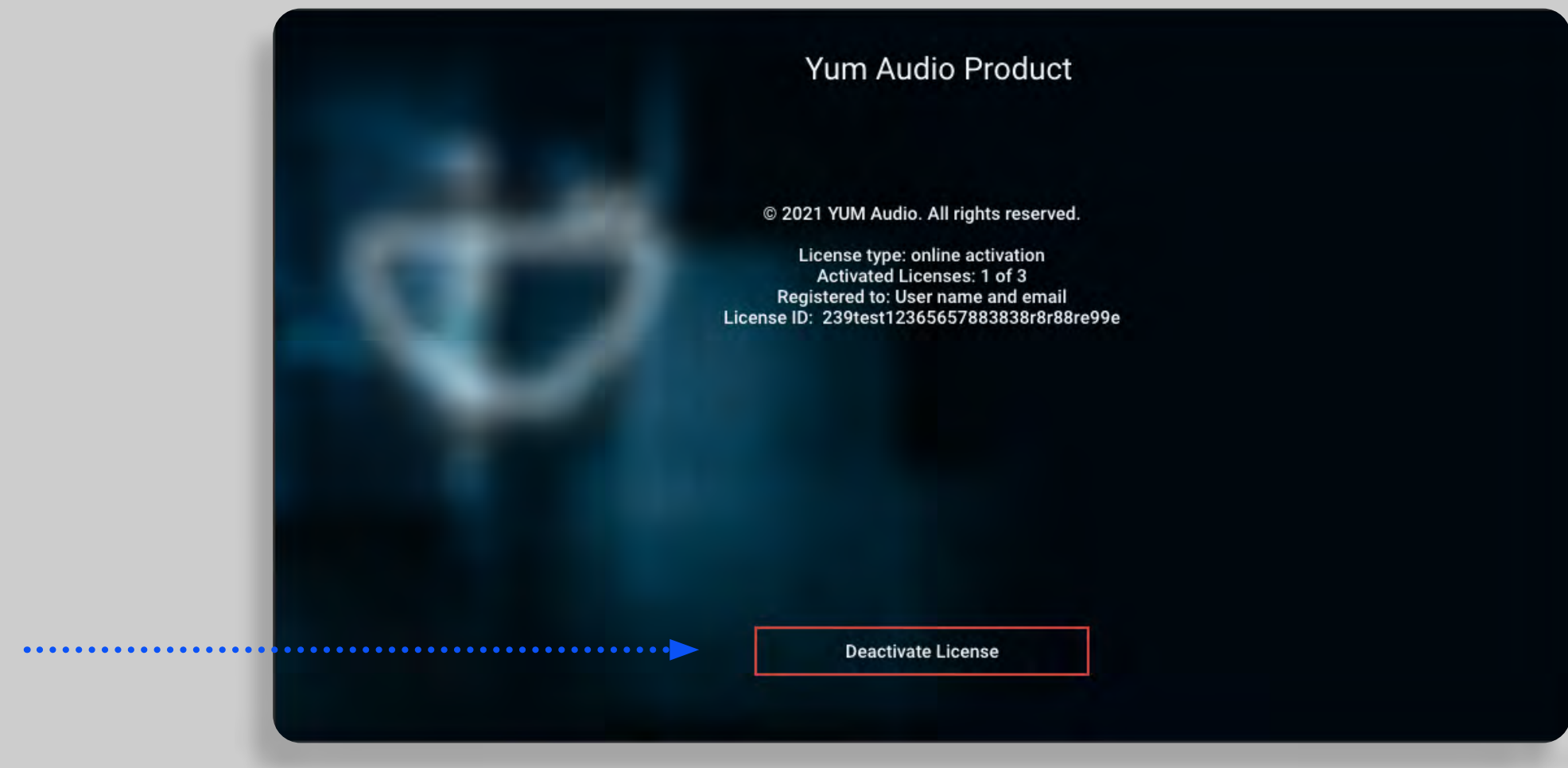
Offline & Online

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.

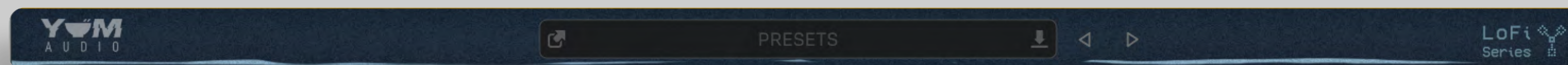
If you are a larger studio or academic institution, or if you want to increase your personal license count, this can be done simply by buying another issue of the plugin from the [Yum Audio store](#).

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:

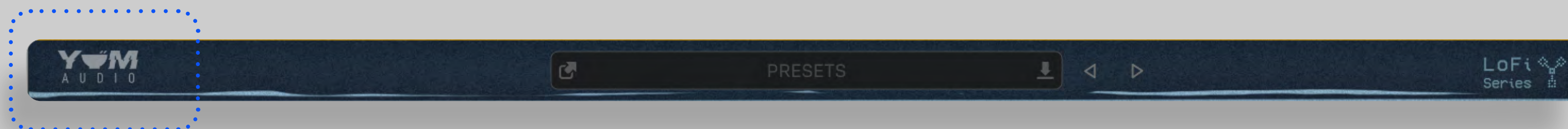
Plugin info & license status

Preset browser, loading, saving and selecting presets

2. THE MENU BAR

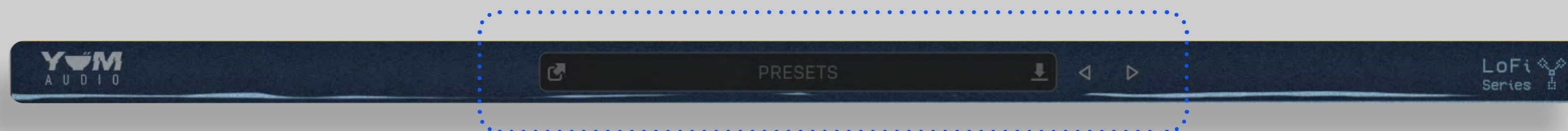
Plugin info & license status

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.

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.

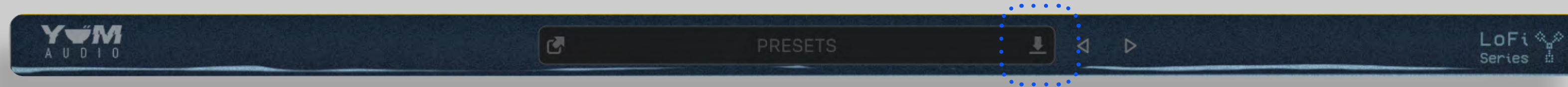
Preset name



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

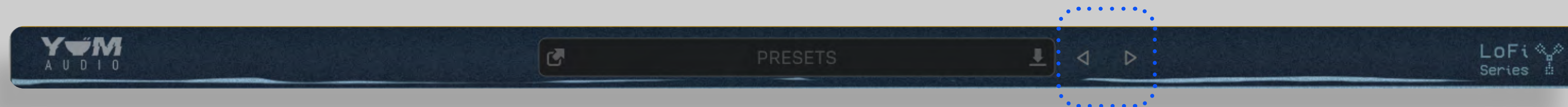
2. GLOBAL CONTROLS

Save preset



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.



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.**

2. THE PRESET BROWSER

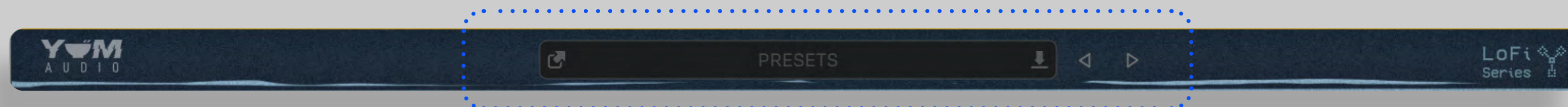
The preset browser is at the heart of every Yum Audio plugin and allows instant access to all your Yum Audio presets.

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. PRESET BROWSER

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 organize presets or access them on your PC or Mac click the Locate Preset Folder icon to the left of the preset tab. There you can organize and rename presets or sort them to separate folders. The plugin will automatically pick up all the changes you make.

3. FLUX MACHINE CONTROLS

Overview of the interface

The interface is designed to be easily accessible.

All functions are displayed on the main page.

The signal entering **LoFi Flux Machine** goes into our virtual tape circuit where the warble and flutter effects are applied. Warble is a very low and gradual change in pitch while flutter is a more prominent and faster movement. After the virtual tapes, the audio is fed through the **Tone Section** in the bottom half of the plugin where you can add the finishing touches and tweak the signal to fit best into your mix.



3. FLUX MACHINE CONTROLS

The Warble Section

The left section of the plugin allows you to [dial in and adjust the sound](#) of the tape warble effect.

Warble is making the virtual tapes change very gradually and slow in pitch and allows you to [make signals interesting or wide in a subtle way](#).



Warble Amount

This is the [main control](#) and allows you to set how much of the effect you want to apply to your signal. The dial has a range from 0% to 100% percent. At 0% warble is deactivated and you won't hear any alteration of the sound.

The more you increase it, the more the tapes start to move and the [effect & changes in pitch become noticeable](#).



3. FLUX MACHINE CONTROLS

Warble Width

Warble width is a very useful control for when you want to [push your signal into the stereo field](#).

At 0% warble width, the virtual tapes on the left and right channel behave exactly the same, so both the left and right channel are [changing in pitch simultaneously](#).

When you increase the warble width, the movement of both channels is offset and they deviate in their current pitch fluctuation. This can [create a very wide and stylized stereo effect](#), reminiscent of older chorus devices and studio tapes.

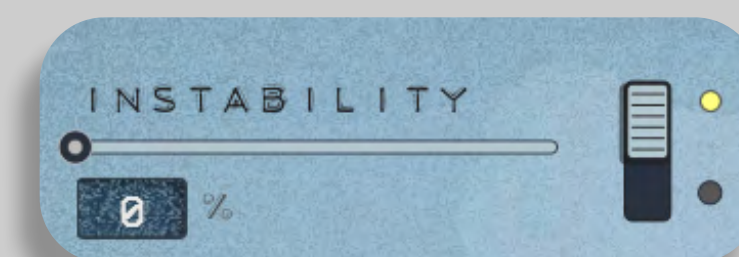


Warble Instability

With this control you can manage [how accurate or low-fidelity the warbling](#) should be.

At 0% the warble is completely clean and error free, meaning the pitch will always change in the same and fully predictable way.

The further you increase instability the more the overall movement of the tapes increases in [errors and fluctuations](#) - leading to a more variable and less predictable sound.



3. FLUX MACHINE CONTROLS

Warble Instability Type

The instability type defines how the errors and fluctuations of the instability main control behave.

Jitter: This creates faster and more abrupt changes to the overall tape warbling, resulting in more detectable errors.

Slow: This creates a very smooth and slow randomness, inspired by worn out tapes of old analog devices. Useful if a more subtle instability is wanted and great to add that little bit of extra uniqueness to any of the presets.



Warble Time

This knob lets you set the overall time one cycle of the tape warbling takes. Depending on the mode this can be either set in [milliseconds](#) or [synced to actual note](#) values.



Start / Stop Time Mode

This switch allows you to choose between [free-running time mode](#) (milliseconds) and synced beat mode for the start and stop time control. Synced [beat mode](#) will allow you to set the time in note values, which are in sync with your sessions tempo.

3. FLUX MACHINE CONTROLS

The Flutter Section

The right section of the plugin allows you to activate and adjust the sound of the [tape flutter effect](#).

Flutter makes the virtual tapes [change very fast in pitch](#) and allows you to create either a very subtle pitch instability or a very noticeable effect that can become a main characteristic of your sound.



Flutter Amount

This is the main control, used to set [how much flutter](#) you want to apply to your signal. The dial has a range from 0 to 100 percent.

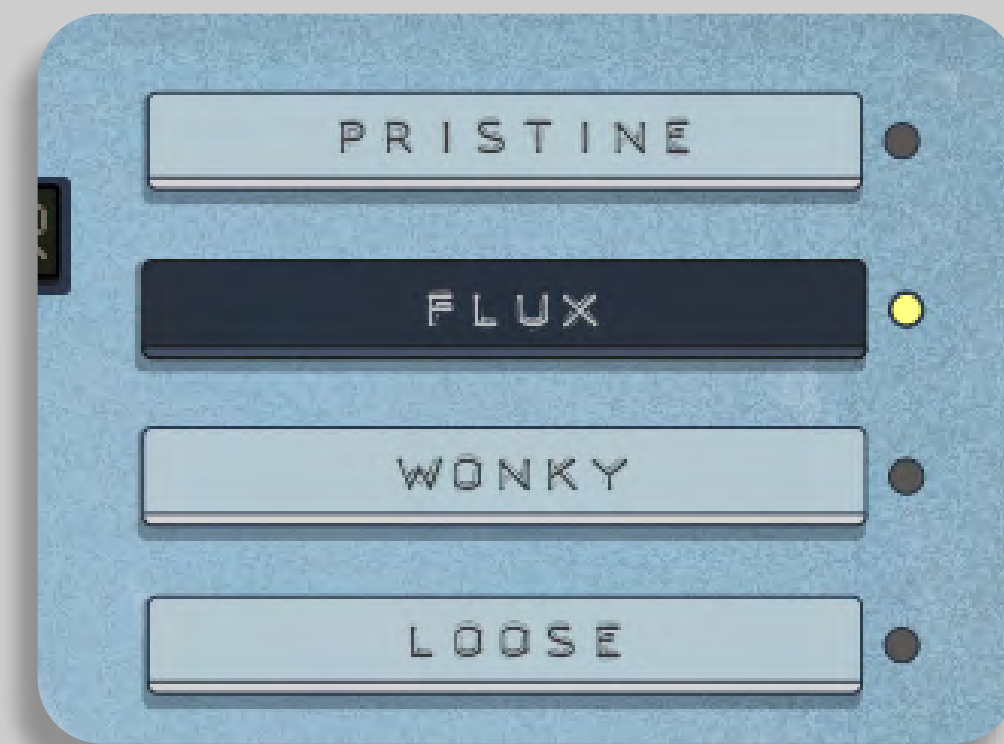
At 0%, flutter is deactivated and you won't hear any alteration of the sound. The more you increase it, the more the virtual tapes start to move and the effect as well as changes in pitch become noticeable.



3. FLUX MACHINE CONTROLS

Flutter Type

There are four, carefully crafted, flutter movement types included in flux machine. Each has been tweaked to give **unique variety and movement to the sound**. You can easily switch between the different flutter models by selecting one of the four preset buttons *Pristine*, *Flux*, *Wonky* or *Loose*. *Pristine* will give you a very clean and consistent flutter, while *Flux*, *Wonky* and *Loose* contain different amounts and types of instabilities which can make the sound feel more alive and non-predictable.



Flutter Time

This knob allows you to set the overall **time one cycle** of the tape fluttering takes. Depending on the mode this can be either set in **milliseconds or synced to actual note values**.



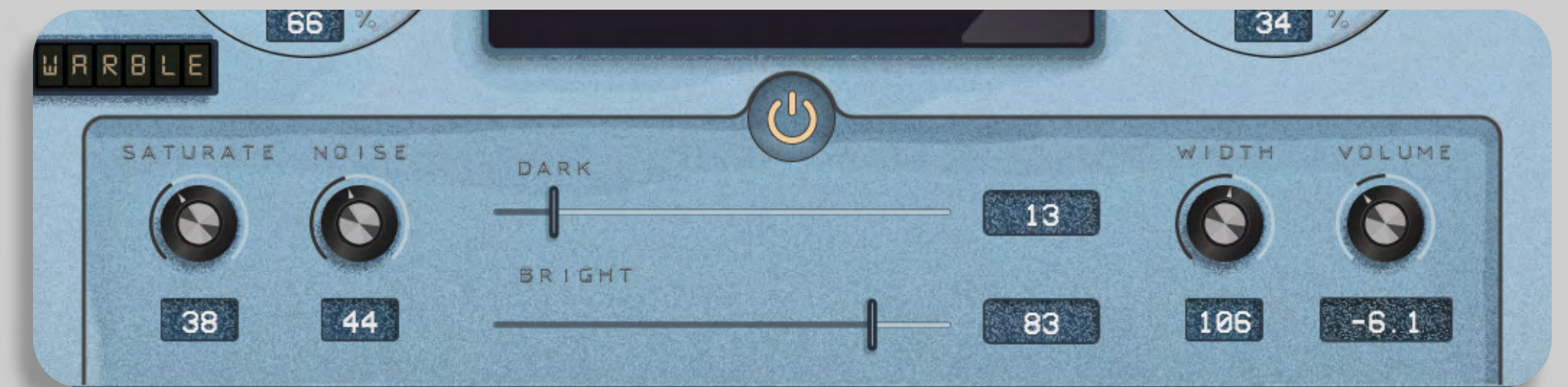
Start / Stop Time Mode

This switch lets you choose between **free-running time mode** (milliseconds) and synced beat mode for the start and stop time control. **Synced beat mode** will allow you to set the time in note values, which are in sync with your sessions tempo.

3. FLUX MACHINE CONTROLS

Tone Control

The Tone Control in Flux Machine allows you to customize the [overall tonality of your signal](#). Combined with the warble and flutter effects, this makes Flux Machine a very powerful tool in your LoFi arsenal, allowing for anything [from subtle to drastic audio changes](#).



3. FLUX MACHINE CONTROLS

Saturate

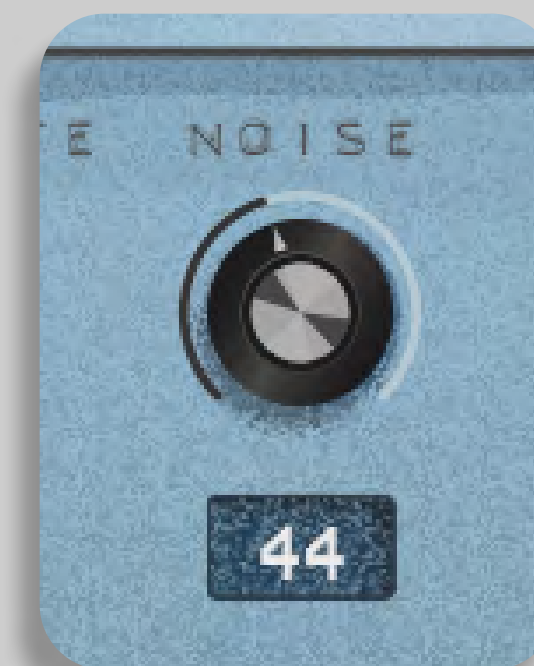
This control adds a **warm and crunchy** modeled tape saturation to the incoming sound. At 0% the effect is off, the higher you increase it the more the saturation kicks in and will warm up your overall signal and **create additional harmonics**.



Noise

This is a very unique control and a classic Yum take on audio effects. Instead of adding a constant noise loop to your signal like in other plugins, this effect actually **generates noise based on your incoming audio signal**. It will feel like some **dust and grit** interacting with your sound.

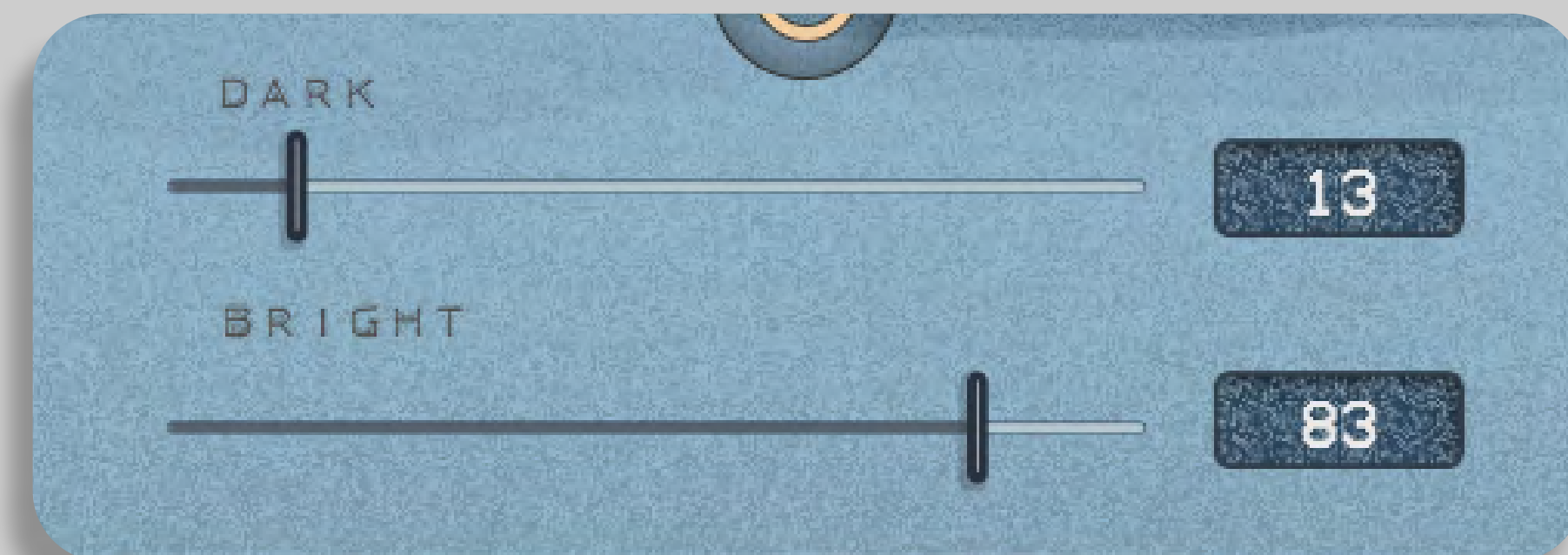
At 0% the effect is off, the higher you increase it the more noise will be added and the more the overall tonality of the sound will change.



3. FLUX MACHINE CONTROLS

Dark & Bright controls

These two controls are used to [adjust the brightness or darkness](#) of your signal. Both go from 0 to 100 percent and apply very smooth filters with a soft and natural fall-of, that are tweaked to get musical results. You can push these filters to extreme values and even have them overlap and then compensate with the saturate and volume controls, to [create some interesting EQ](#) and tonality changes. We decided to label and display these values as dark and bright with percentages as both are intended to be [a lot more musical and less accurate, like traditional mixing filters](#).



3. FLUX MACHINE CONTROLS

Width

This control affects the **stereo width** of your plugins output signal.

At 100% the incoming sound is unaltered and the width stays the same. The further you increase it towards 0%, the **more stereo information is lost**. At 0% you will have a fully mono sound, that can be useful to model old speaker devices, especially combined with the saturation and noise controls.

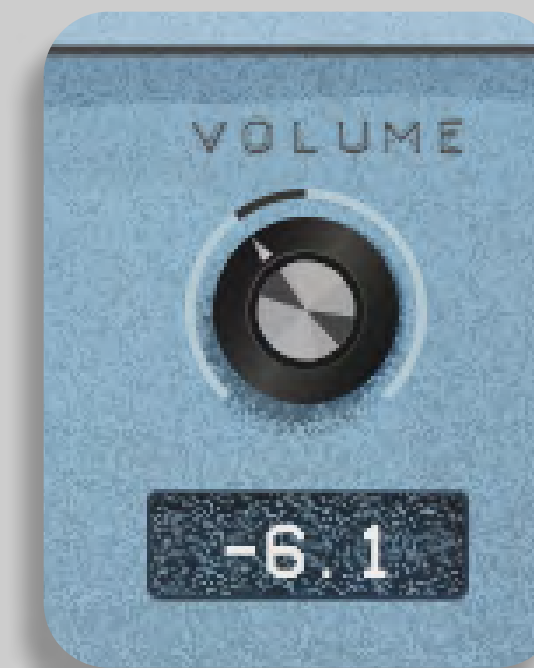
Over 100% the stereo amount in your signal will be increased and it creates an **effect similar to the sound being pushed outside of your speakers boundaries**.



The width control also interacts in interesting ways with the warble instability parameter, experiment with those two to create some interesting sonic combinations.

Volume

This is the **final volume gain stage** of the plugin, and allows you to **either boost or attenuate** the gain in dB values. Use this to mix your sound correctly or **combine it with the bright and dark** or saturation controls to **put the finishing touches** to your dialed in preset.

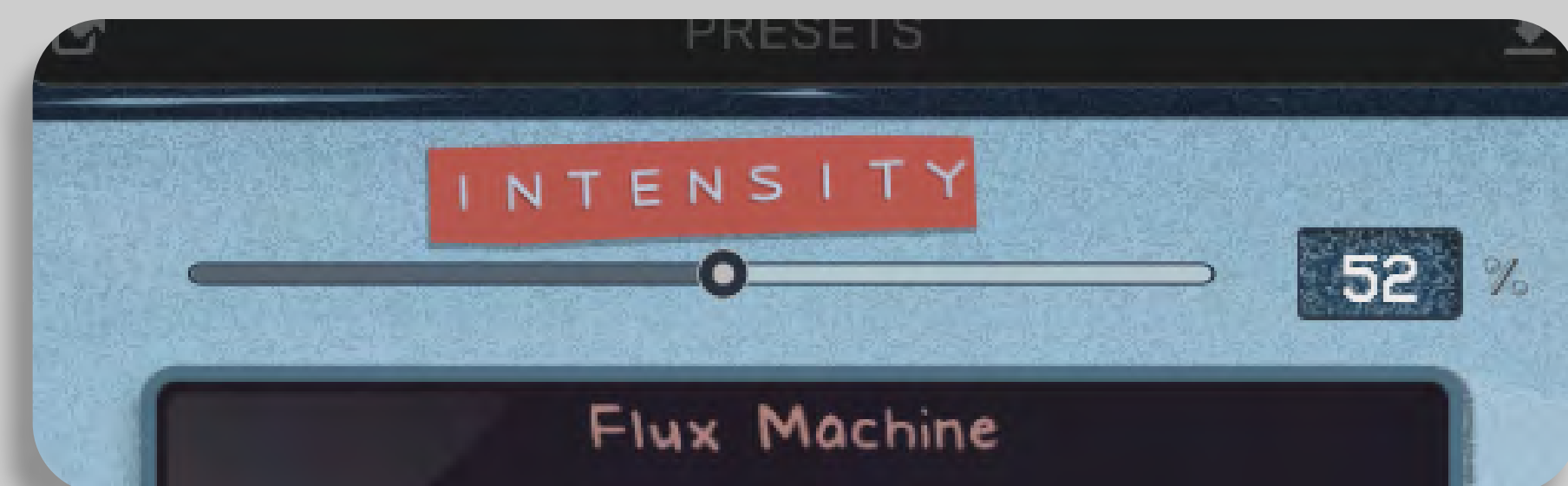


3. FLUX MACHINE CONTROLS

Intensity

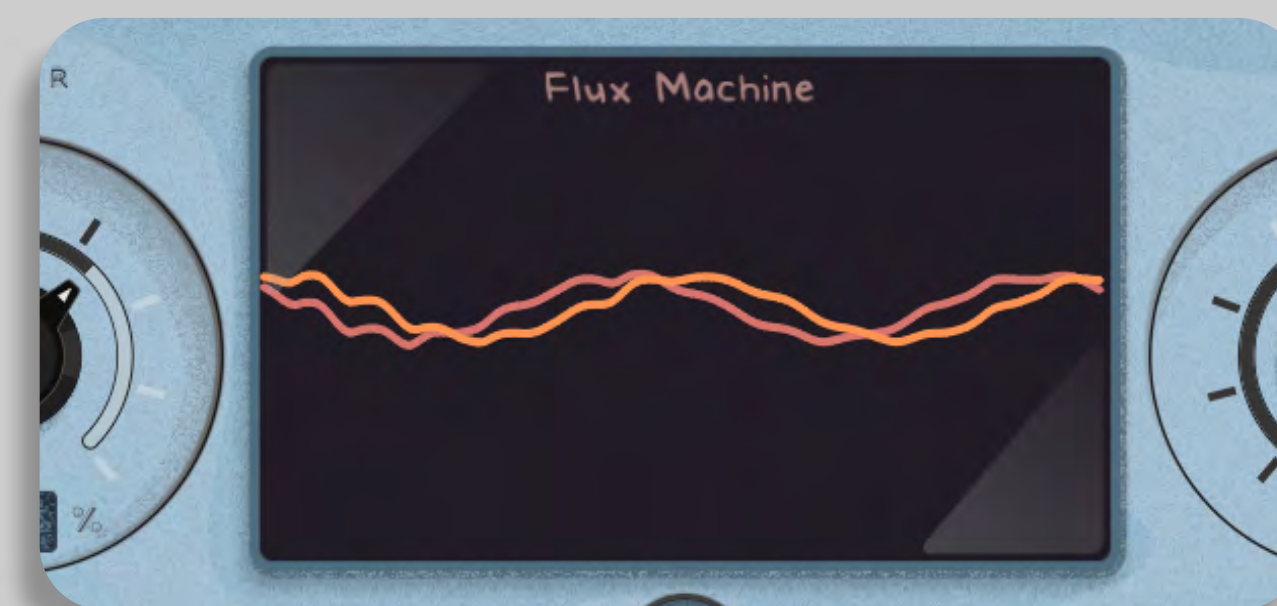
The intensity control sets the [overall processing amount](#) in the plugin and is a great way to automate [all parameters at once, from a single source](#). With Intensity at 100% the plugin is processing fully and using the values dialed in on the controls. The lower the intensity, the less processing is applied and the closer the sound gets to the dry signal.

Use this to either have [a quick way of automating the LoFi amount](#) in your session or doing tweaks to an existing preset where you feel like just a little bit less of the effect overall could work well.



Display

Already a staple of our LoFi series, the display gives you a [clear visual representation](#) of the current tape behavior inside the plugin.



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

If you need further support you can find our customer support contact form at:

“inert final link here”

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

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