

Elixir

FLUX:: Immersive

2026-02-11

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1 Elixir - Real Multichannel True Peak Limiter

[Product Page](#) | [Shop Page](#)

Thank you for using Elixir. We hope that you will get good use of the information found in this manual.



2 Introduction

Elixir is the improved and revamp version of the legacy Elixir. Such as it, Elixir is a novel kind of program limiter carefully designed to accomplish a truly natural sounding result without changing the nature of the audio material and its timbre, presenting none, or effectively reduced, conventional limiting “pumping” effects even during heavy processing. Now supporting up to 32 channels, 64bits float audio processing and conforming with the ITU-R and EBU loudness norms, Elixir Essential is an indispensable tool for immersive audio productions.

It’s a REAL True Peak Limiter, providing a guaranteed True Peak output level according to the ITU-R-BS 1770 or the ITU-R-BS 1770-3, and EBU R128 norms. The algorithm is using an oversampled representation of the audio sample as a reference when it defines the gain envelope; still, the processing is only applied to the original none oversampled data in order to reduce artifacts (like aliasing), and to achieve the most excellent sounding result.

Working on 64bits audio processing when the Digital Audio Workstation supports it, Elixir is incredibly easy to achieve great results with: set the input level, adjust ‘Threshold’ according to the amount of limiting you want, and finally enable ‘Make Up’ to compensate the gain and to add loudness - That’s it! There is no need to care about release time or any other conventional limiter settings!

There’s an additional feature provided to increase the processing quality in Elixir called ‘Stages’. Stages present the option to set the algorithm to perform the limiting processing in multi-stages, for a limitation more natural and more respectful of the sound material.

2.1 Elixir Session, Elixir

Elixir comes with two different licensing options:

- Elixir supports up to 32 channels and a sample rate up to 384kHz
- Elixir *Session* supports up to 2 channels and a sample rate up to 96kHz.

The build is the same for both versions, the licensing allowing to use the plug-in as Elixir Session or Elixir.

3 About True Peak

All digital audio wave signal is ultimately converted back to analog at some point, and while it is often desirable to maximize the overall volume of a signal or a complete mix, care must be taken in order not to go above the digital scale zero decibel ceiling, or nasty distortion and clipping will occur. This common and widely used rule is however not entirely sufficient, as the digital and analog processing involved in a D/A converter does not guarantee that a 0dBfs peak signal will exactly translate to a 0dB peak in the analog domain.

Without getting into too much detail, this phenomenon can be attributed to the over-sampling and reconstruction filters present in D/A converters, whose role are to rebuild a continuous time signal from a set of discrete digital values sampled at regularly spaced time intervals. This interpolation process can therefore generate values, which lie above 0dB, and is known as overshoot.

Relying solely on the peak value of samples can lead to the following problems:

- Inconsistent readings between successive playbacks of the same material.
- Unexpected overloads of the D/A output converter.
- Under-readings and beating of pure tones.

Using True Peak value aims to overcome these limitations by mimicking parts of the D/A conversion process, effectively up-sampling the measured signal, in order to use the true value of peaks that occur in the analog domain.

4 Installation

If you are new to the FLUX:: Immersive ecosystem, the first installation of FLUX:: software is a four steps process :

1. [Create an account](#) at flux.audio
2. License code redeem
3. Software license activation
4. Download and installation

4.1 Create and account

Customer login
Access your store account or create a new one

Registered customers

If you have an account, sign in with your e-mail address.

Username *

Password *

Remember me

Login

Forgot password?

OR

Login via

iLok

OR

New customers

Create an account

[Create an account](#)

4.2 Redeem a License Code from activation code

Unless you purchased your license in the flux.audio online store, you will need to redeem your license.

FLUX:: uses the iLok license management system to deliver software licenses to users. If you have received an activation code (such as from a dealer purchase), you can use the Redeem License Code window to activate your license.

Home / My account / Licence code

Your account

- Dashboard
- Personal information
- Change password
- Address book
- Order history
- Subscriptions
- Manage OAuth links
- iLok licenses
- iLok license - trial request
- Licence code

Licence code

Redeem a licence code

iLok User ID *

Licence code *

[+ Redeem it !](#)

Visit our [License Code Activation page](#).

i Note

Two different licenses are available for this product: Elixir Session and Elixir Essential. Check the [technical details](#) page for more informations.

4.3 iLok User Account

To activate licenses:



- An iLok user account is required.
- An iLok USB key is optional.

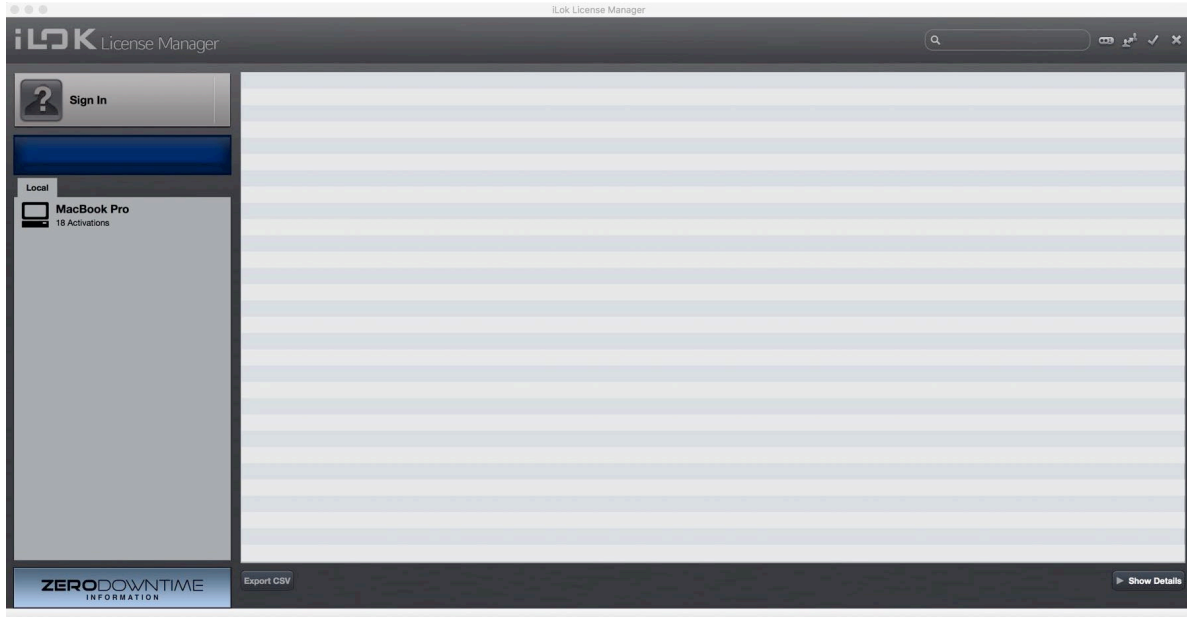
FLUX:: uses the iLok license management system to deliver software licenses to users. If you don't have an iLok account yet, please create a free iLok account at <http://www.ilok.com> and download the iLok license manager. All FLUX:: plug-ins come with two activations. Having two activations gives you the possibility of a fixed license on one particular machine and a portable license on an iLok USB key if you own one.

⚠ Warning

Cloud license currently not supported

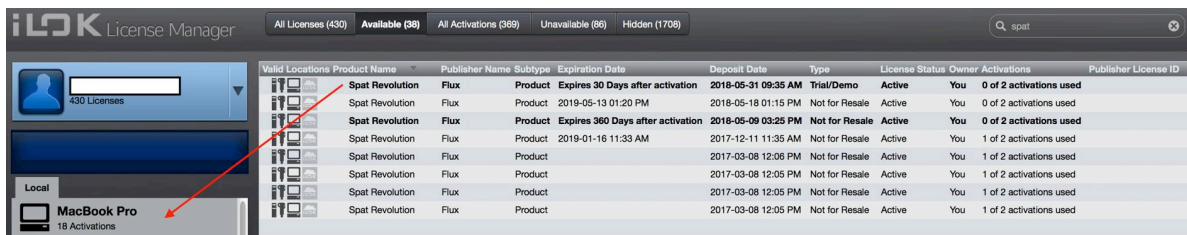
4.4 iLok License Manager

If you have redeemed your software license or completed your purchase process, your license will automatically be delivered into your iLok account



For new iLok users, the first step is to download and install the iLok license manager available on the home page of the iLok website. When your user account is successfully activated and the iLok license manager is correctly installed, you can start the license manager software and log in to your iLok user account.

4.5 Transferring license



Pressing on the sign in button will allow you to connect to your account. After Logging in, you are now ready to transfer any licenses to a computer or to any iLok USB key if you happen to have one. The process of transferring a license is as simple as dragging the license from the Available tab to your Local Computer (*or iLok key*) on the left side.

Simply drag your license to your Local Computer or on an iLok USB key. You are now set!

i Note

If you require further information about iLok and managing licenses please refer to iLok.com website

4.6 FLUX:: Center

Next step is to get the installers for the FLUX:: products you are licensed for. All the software and plugins from FLUX:: are available via our FLUX:: Center software. This is a Mac or Windows application we have created to help keep your FLUX:: products up to date and to give you a clear overview of what you have installed. Firstly, please visit the download section of the FLUX:: Website to get the installer for the [FLUX:: Center application](#).

On this page you will find a macOS, a Windows 64 bits, as well as legacy versions for older operating systems. After downloading and installing, you can open the FLUX:: Center applications to begin the process of installing the Elixir.

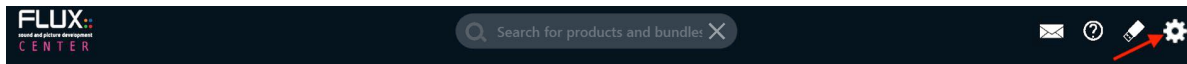
! Warning

An authentication is required at the launch of FLUX:: Center. This is the login details of your FLUX shop account which allows you to see only your products licensed for (temporary or permanent)

i Note

To be noted: The binary is the same for either Session and Essential version.

4.7 Center Preferences



When you open FLUX:: Center you will see a page that lists all FLUX:: products available for you to install. You will also find information about which version you have currently installed on your system and which new versions might be available for you to update to. You can select versions to install - or uninstall if necessary - using the pull down menus. If you would like to access more installer options such as your preferred plug-in format, please click on the gear icon to the top right of the header area.

4.8 Center Preferences and Options

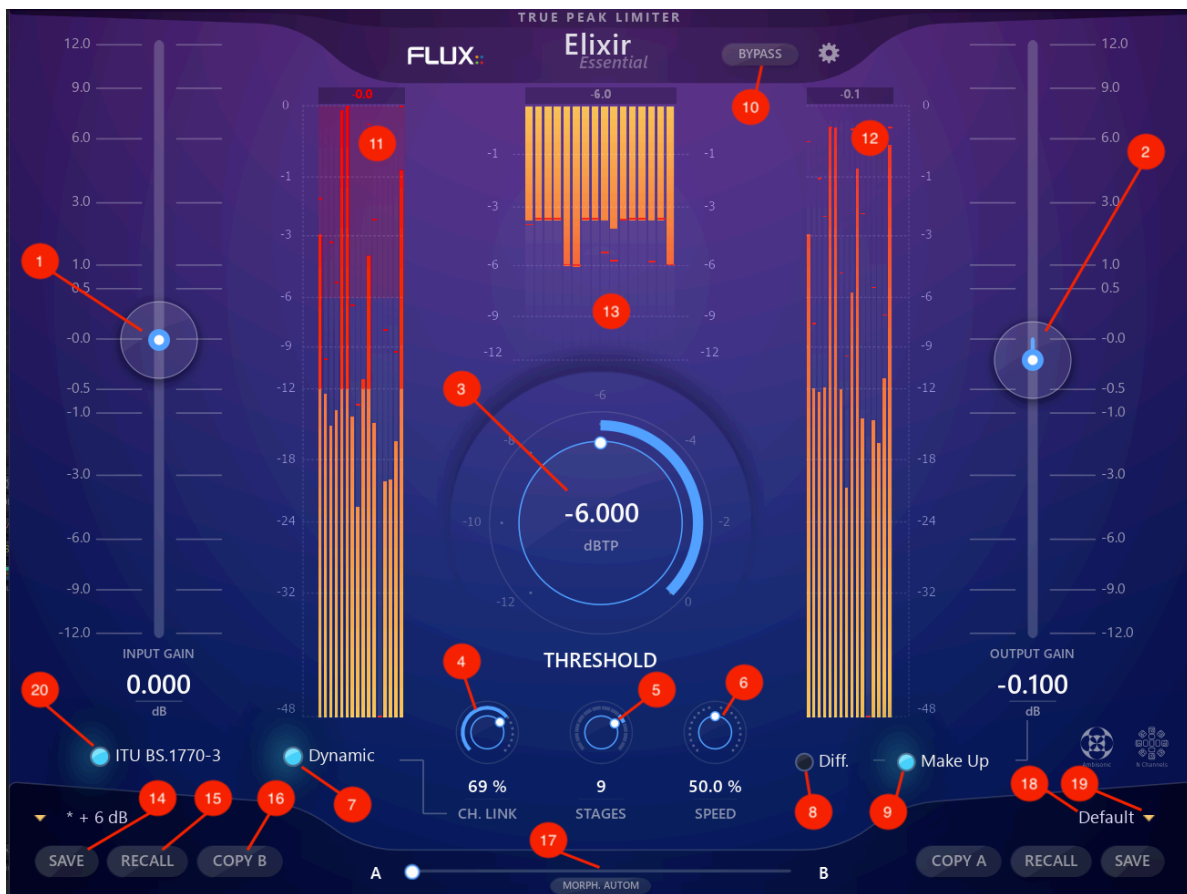
This preference page will allow you to choose various installation options such as preferred plug-in formats for your system. Choosing your format and returning to the main page by pressing the OK button will show all your install options for software and plugins based on the desired formats chosen.

If you would like to be closer to the most current development cycles of the software, you can enable the Beta Versions option. This will give you access to a special set of software installers from the pull down menus on the main FLUX:: Center page. Beta versions are the new builds that are still under development but may contain useful bug fixes and new features. If you find that a beta version is not stable enough for you, then you can always roll back to a stable release version at any time through the FLUX:: Center installers. Note that these versions starts with a “B” where official releases start with a “V”.

5 User interface

As you may notice, the controls are not the usual suspects found on a dynamics processor (I/O Gain and Threshold excepted).

Instead, the controls provided typically affect more than one parameter in the underlying algorithms, with everything carefully tweaked allowing for creative processing still ensuring the finest sound achievable.



5.1 Commun parameters

5.1.1 Threshold dBTP (3)

Control the threshold (or ceiling) used for limiting.

Unit: Decibel (dB) Range: -12.000 to 0. Min. Steps: 0. Default Value: 0.

5.1.2 Input Gain (1)

Control the gain applied to the limiter input.

Unit: Decibel (dB) Range: -12.000 to +12. Min. Steps: 0. Default Value: 0.

5.1.3 Output Gain (2)

Control the gain at the output stage of the limiter.

Unit: Decibel (dB) Range: -12.000 to +12. Min. Steps: 0. Default Value: 0.

5.1.4 Diff. (8)

Allow to hear the difference only. Used to better understand the action and allow to easily tweak the parameters.

On/Off Default Value: Off

5.1.5 Make Up (9)

Apply Gain compensation. Add the invert of the threshold gain to the output gain.

On/Off

Default Value: Off

5.1.6 Bypass (10)

Bypass the plug-in processing by routing the input direct to the output. The actual processing is still performed in the background allowing for a true and smooth transition between the processed and the actual incoming signal.

5.1.7 ITU BS.1770-3 (20)

When activated, the algorithm used to limit the input signal follow the ITU BS.1770-3 recommendation.

5.2 Processing Section

5.2.1 Ch. Link (4)

% of channels linkage

Unit: Percent (%) Range: 0 to 100 Min. Steps: 1

Default Value: 0

5.2.2 Ch. Link Dynamic (7)

Make the channels' linkage dynamic according to the signal. It means: when activated, the Channel Link will automatically move from 0 when high dynamic (i.e. high transients) are detected and the desired value when no dynamic (i.e. low transients) are detected.

Unit: On/Off Default Value: Off

5.2.3 Stages (5)

Number of stages (passes or steps) used by the algorithm. Because the algorithm adapts itself to the audio material, doing multi stages allows for the processing to be even more precise and provides an even more natural sounding result. For e.g. if the threshold is set to -3 dB and Stages set to 3: first stage will limit at -1dB, second stage will limit at -2dB and third will limit at -3dB with analyzing done for each stage!

Range: 1 to 12 Min. Steps: 1 Default Value: 1

5.2.4 Speed (6)

Allow to change how the algorithm will react regarding the audio material. This will change how the gain envelop will be generated with more or less look-ahead, release and curve smoothing. Leave it at 50% by default which will be optimal for most case. Prefer increasing stages before trying to reduce it and remember that from 50% to 100 % it can generate more and more distortion...

Unit: Percent (%)

Range: 0.0 to 100. Min. Steps: 0. Default Value: 50.

5.3 Metering Section

5.3.1 Signal Input dBTP True Peak Meter (11)

5.3.2 Signal Output dBFS True Peak Meter (12)

5.3.3 Comp. dBFS Meter (13)

All information is displayed at a refresh rate of 60 fps (if possible) and displaying the maximum action during the processing period.

5.4 Preset management

Elixir, as well as all other FLUX:: plug-ins, provides two preset slots referred to as slot A and slot B, which means that you can have direct access to two sets of parameter settings simultaneously. In addition to just recall (33) the settings for each of the slots individually and alternate between their settings, a morphing slider (35) is provided offering the possibility to morph between the slots and their corresponding settings. When clicking on one of the preset slots (38), the built-in preset manager appears.

The preset manager contains three preset banks:

- the *Factory bank* contains factory presets, this bank is not available for saving of presets but any of the presets can be loaded into a preset slot and then saved into,
- the *User bank*, where all user presets are saved,
- the *Global bank*, which is a bit special: here you can save a complete snapshot with all the settings from both preset slots, as well as the position of the morphing slider.

In the preset manager, any preset can be loaded into a preset slot by double-clicking on the name of the desired preset in the actual preset list, the preset will then be loaded into the preset slot corresponding to the position of the morphing slider.

5.5 Additional controls in the preset manager

- *Recall A* loads the selected preset into the corresponding slot.
- *Recall B* loads the selected preset into the corresponding slot.
- *Update* saves the current settings into the selected preset.
- *New* saves the current settings into a new preset.
- *Duplicate* creates a copy of the selected preset and saves it to the list.
- *Edit* allows for changes to the preset meta properties.
- *Delete* removes the selected preset.
- *Export* creates a file reflecting the content of the current preset bank.
- *Import* allows for import of a preset bank file by adding the imported banks content to the content in the current preset bank.

When saving or editing a preset, an option to protect the preset is presented. The preset protection, if engaged, only allows the original preset author to uncheck and edit the preset. This means that you can protect your presets in a multi-user configuration. Protected presets can only be modified using the session used for their creation. If used in another user session they can only be imported or deleted.

5.6 Elixir Preset Controls

5.6.1 Save (13)

To save a new preset using the built-in preset manager, simply click *Save* in the corresponding preset slot (A/B), and to save changes to your preset, simply click *Save* again.

If you want to resave your preset under a new name, open the preset manager by clicking the corresponding (A/B) preset slot (38), select *New*, enter a name for your preset, and press *Save*.

5.6.2 Recall (14)

Recalls the settings of the corresponding slot.

5.6.3 Copy A/B (15)

To copy all parameters between the preset slots (A to B or B to A), press the *Copy A* or *Copy B* button, and the parameters from the corresponding preset slot will be copied into the current preset slot. When copying parameters from one slot to another, the preset morph slider will automatically slide to the slot the parameters where copied to.

5.6.4 Morphing Slider (16)

The morphing slider provides mixing between the settings of slot A and B and allows for some very creative tweaking.

The result of the morphing can be saved as a global preset containing the actual settings of both preset slots as well as the morphing slider position.

To save a Global preset, open the preset manager by clicking the corresponding (A/B) preset slot (38), then click *Global*, select *New* and enter a name for your global preset, then press *Save*.

5.6.5 Automation (Morphing Slider) (17)

When enabling the Automation control button, the morphing slider will be exposed and available for both automation read and write.

Though with the button engaged, only the morphing slider value is applied when reading automation.

The Automation control button must be engaged if the morphing slider needs to be mapped on a control surface.

5.6.6 Preset Name (18)

Displays the name of the current preset.

5.6.7 Preset Slot (19)

By pressing the little arrows in the preset slot, the built-in preset manager appears.

6 Main Setup

These parameters are global for all Elixir instances. They are saved on the preferences document folder, and are common for all the DAW.

6.1 Display Quality

Set the display refresh of the UI. Default: 30 fps.

6.2 Config

Allow to choose the input/output config of the plugin. The field is editable or not, according to the DAW.

6.3 UI size

Set the plugin size.

i Note

If you choose a too big size and cannot change it anymore, please close the UI of all Elixir instances, and delete “Preferences” folder. Since the 2024.05 build, this folder is located in “/Users/.../Library/Application Support/FLUX/Elixir” on macOS and in “/Users/.../AppData/Local/FLUX/Elixir”. Prior to that, it is located on “/Users/.../Documents/FLUX SE”.

6.4 Report latency

Allow to report the latency to the DAW or not. Default: On

6.5 Process in multithread

Parameter set by default according to the DAW, defining if the automation is processed on the main thread or on another thread. Please tweak this parameter only on FLUX:: support request.

6.6 OSC

All plugins are controllable by OSC.

6.6.1 Enable

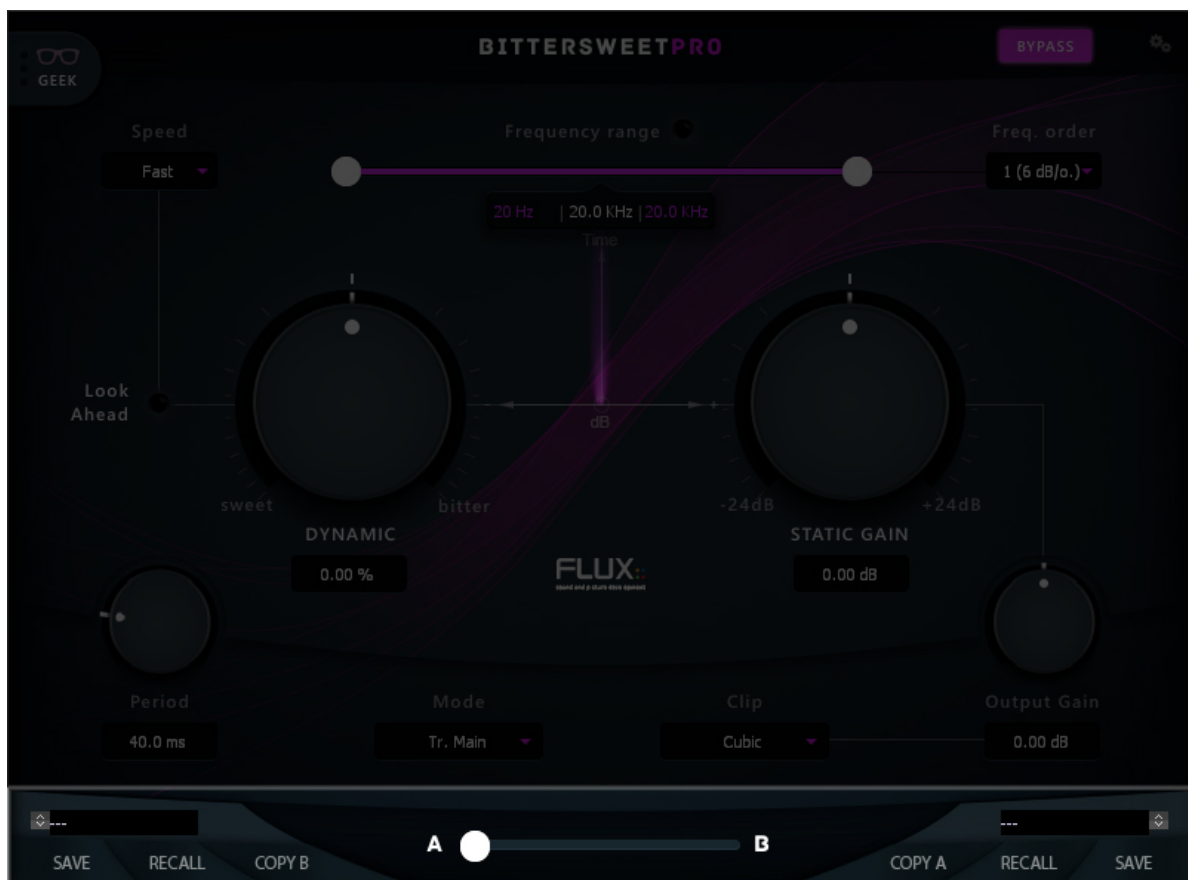
Enable OSC control, IN and OUT.

6.6.2 Input and Output port and IP address

Set it according to the destination port and IP number, and the network wanted.

7 Preset Management

FLUX:: plug-ins provides two preset slots referred to as slot A and slot B, which provide access to two sets of parameter settings simultaneously. In addition to just recall the settings for each of the slots individually and alternate between their settings, a morphing slider is provided offering the possibility to morph between the slots and their corresponding settings. When clicking on one of the preset slots, the built in preset manager appears.



7.1 Preset Sections

Flux:: plug-ins provides two preset sections referred to as section A and section B, offering simultaneous access to two full sets of parameter settings. Clicking the A section (bottom left) or the B section (bottom right), or clicking the arrow in the Current Selected Preset display, opens a new window accessing the built-in preset manager.

7.2 Save

Save replaces the selected preset by a new one under the same name featuring the current settings. If you want to keep an existing preset without your new modifications, just select an empty place into the preset list, enter a new name for this modified preset featuring the current settings and press Save.

Once a preset is selected from the preset list it must be explicitly loaded into section A or the section B by using the recall button. A preset is effective only after it has been recalled.

7.3 Copy A / Copy B

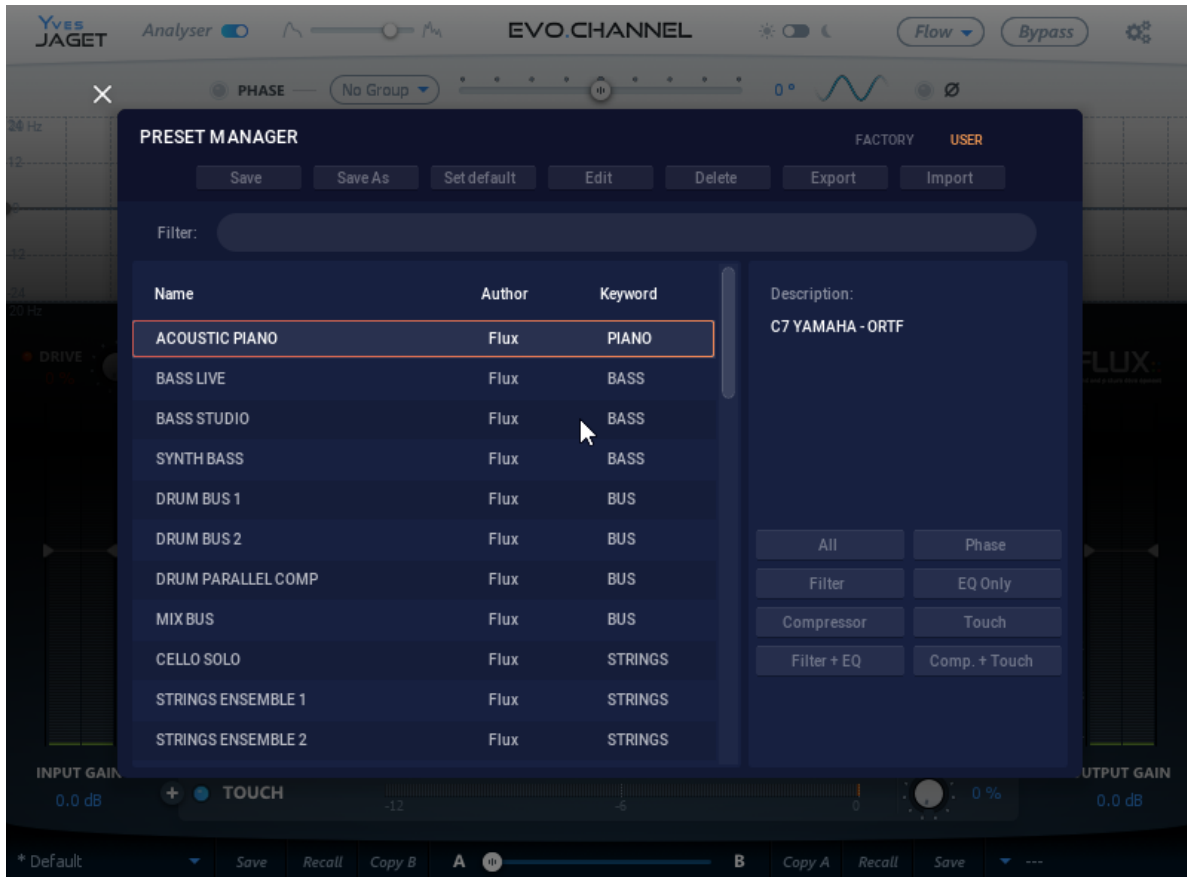
The current parameters of a section are copied to the other one. The section A or B is re-initialized with the current values and the morphing slider is parked at 100% of the corresponding section.

7.4 Morphing Slider

Morphs the parameter values of both parameter sections, it has no unity or specific value display; it provides morphing of the current values from both of the parameter sections (A & B). A double-click on one side of the slider area toggles between the two parameter sections. The actual result of the morphed parameter settings can be saved as a new preset.

8 Preset Manager

The preset manager contains two preset banks, the Factory bank contains factory presets, this bank is not available for saving of presets but any of the presets can be loaded into a preset slot and then saved into, the User bank, where all user presets are saved.

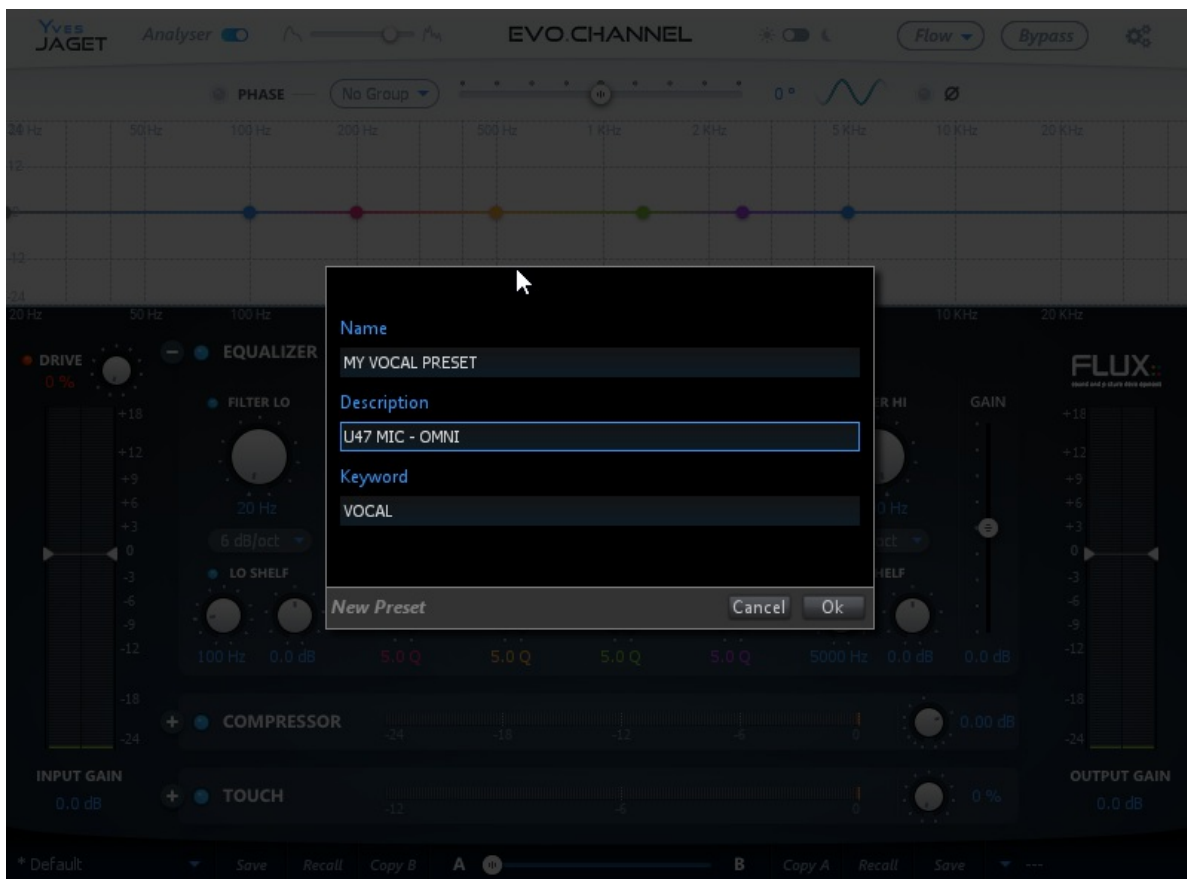


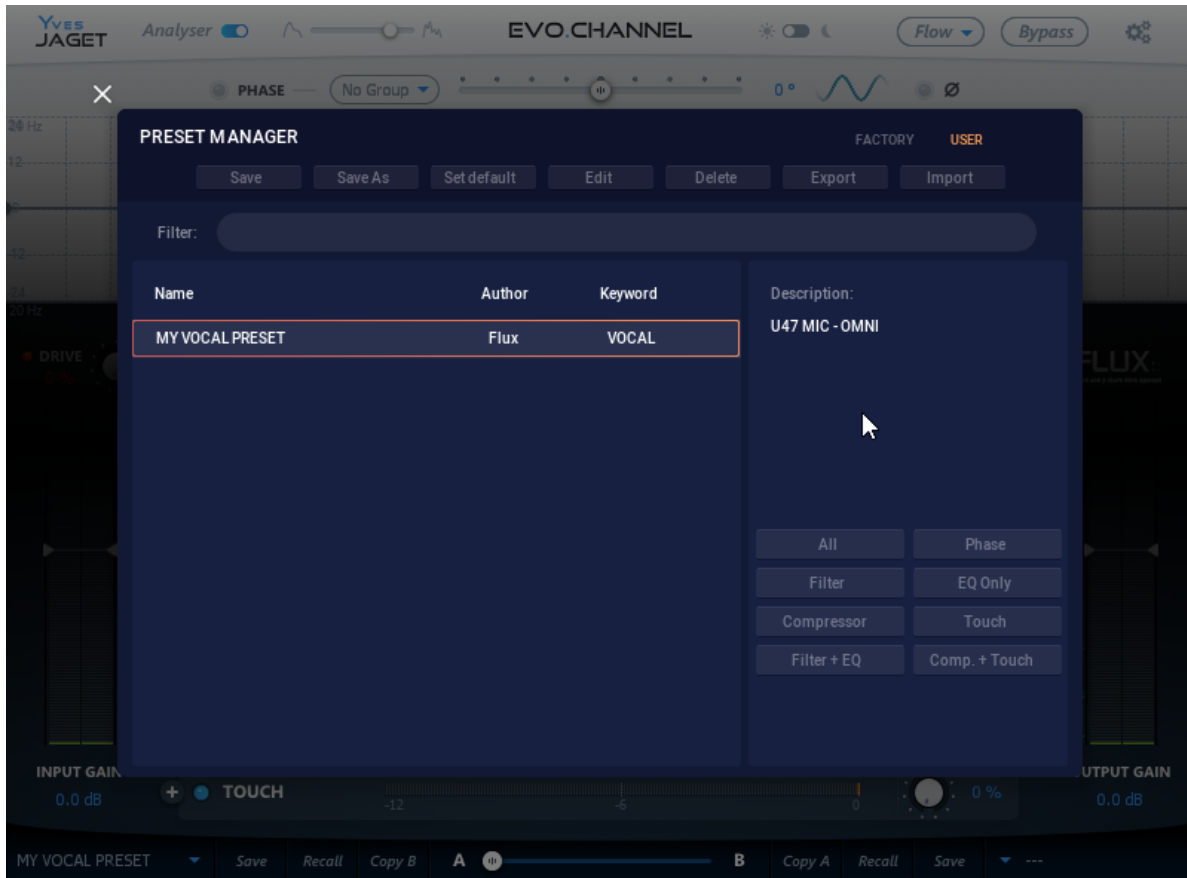
In the preset manager, any preset can be loaded into a preset slot by double clicking on the name of the desired preset in the actual preset list, the preset will then be loaded into the preset slot corresponding to the position of the morphing slider.

- Additional controls in the preset manager
- Recall A loads the selected preset into the corresponding slot.
- Recall B loads the selected preset into the corresponding slot.

- Update, saves the current settings into the selected preset. (Available in User Bank only)
- New, saves the current settings into a new preset. (Available in User Bank only)
- Duplicate creates a copy of the selected preset and saves it to the list.
- Edit allows for changes to the preset meta properties. (Available in User Bank only)
- Delete, removes the selected preset. (Available in User Bank only)
- Export, creates a file reflecting the content of the current preset bank.
- Import, allows for import of a preset bank file by adding the imported banks content to the content in the current preset bank.

When saving or editing a preset, an option to protect the preset is presented. The preset protection, if engaged, only allows the original preset author to uncheck and edit the preset. This means that you can protect your presets in a multi-user configuration. Protected presets can only be modified using the session used for their creation. If used in another user session they can only be imported or deleted.





9 Specifications

Refer to this [website](#) for complete specifications.

10 Credits

Software development

Project Manager and Designer:

Gaël Martinet

Application Development:

Gaël Martinet, Alexis Gentil, Bastien Prevosto, Anthony Belard, Maxence Grandidier, Siegfried Hand and Antoine Lorence.

FLUX:: DSP Design and Development:

Gaël Martinet, Maxence Grandidier and Lorcan Mc Donagh

Graphic design:

Nicolas Philippot

FLUX:: Framework development:

Gaël Martinet, Florie-Anne Lafaye, Alexis Gentil, Lorcan Mc Donagh, Bastien Prevosto, Anthony Belard, Siegfried Hand and Antoine Lorence

Additional contributions: Vincent Carlier, Jean-Loup Pecquais, Nicolas Erard, Jean Cruypenynck, Pablo Arias, Samuel Tracol

FLUX:: Framework graphic engine:

Emmanuel Julien (GS lib) and Gaël Martinet

And

thanks to all fantastic testers...

FLUX:: Special Thanks to:

Alain, Yves, Bruno and Claude for helping to shape our minds over the years.

FLUX::

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Additional libs

- GS lib Emmanuel Julien, Gael Martinet (Copyright 2013 Emmanuel Julien)
- ThorVG, Copyright (c) 2020 - 2023 notice for the ThorVG Project (see AUTHORS)
- r8brain free - Copyright (c) 2013-2023 Aleksey Vaneev
- LibJpeg - Copyright (c) 1991-2016, Thomas G. Lane, Guido Vollbeding
- libpng :
 - Copyright (c) 1995-2023 The PNG Reference Library Authors.
 - Copyright (c) 2018-2023 Cosmin Truta.
 - Copyright (c) 2000-2002, 2004, 2006-2018 Glenn Randers-Pehrson.
 - Copyright (c) 1996-1997 Andreas Dilger.
 - Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.
- Freetype 2 - Copyright (c) 2006-2023 by David Turner, Robert Wilhelm, and Werner Lemberg.
- Zlib - Copyright (c) 1995-2022 Jean-loup Gailly and Mark Adler
- bzip2 - Copyright (c) 1996-2010 Julian Seward jseward@bzip.org
- Boost - BSL-1.0
- ni-media - Copyright (c) 2022 Native Instruments
- pfft:
 - Copyright (c) 2004 the University Corporation for Atmospheric Research (“UCAR”)
 - Copyright (c) 2013 Julien Pommier (pommier@modartt.com)
 - Copyright (c) 2019 Hayati Ayguen (h_ayguen@web.de)
 - Copyright (c) 2020 Dario Mambro (dario.mambro@gmail.com)
- pybind11 - Copyright (c) 2016 Wenzel Jakob wenzel.jakob@epfl.ch
- rtaudio - Copyright (c) 2001-2021 Gary P. Scavone

- rtmidi - Copyright (c) 2003-2021 Gary P. Scavone
- concurrentqueue - Copyright (c) 2013-2016, Cameron Desrochers.
- readerwriterqueue - Copyright (c) 2013-2021, Cameron Desrochers.
- assimp - Copyright (c) 2006-2021, assimp team
- enet - Copyright (c) 2002-2020 Lee Salzman
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A Release Notes

A.1 Build 24.07.0.50393 - All plugins

A.1.1 New Features

- VST3 automation state on UI

A.1.2 Improvements

- EVO EQ - Dark mode update

A.1.3 Bugs

- All plugins - VST3 - GUI freeze when reloading a session in Studio One
- All plugins - VST3 - Wrong parameters frequencies when reloading session at 44.1KHz
- All plugins - crash when loading a StudioOne session
- All plugins AAX - Crash protocols when using the protocols plugin preset manager on Windows
- EVO Channel/Touch and BS Pro - Presets have to be loaded twice to apply the filter values from the Touch section properly
- Elixir - Latency not properly compensated after changing stage parameters value in VST and AudioUnit
- Elixir - VST - May crash or bypass the audio when reloading a previous session in Nuendo
- Evo Channel - GUI issues on Geek panel
- Evo Channel/Evo EQ - Bad init on the lowpass filter cut off frequency
- HEar - Failed to load HRTF message in Logic until audio playback
- Verb and VerbSession - VST3 - Freeze during Steinberg TestHost on Windows

A.1.4 Known Issues

Important

- All plugins - AU - Crash in Logic 10.5 on MacOS Mojave

- All plugins - AU - Sidechain not available
- All plugins - VST versions - GUI issue in Izotope Ozone and Davinci Resolve
- Elixir - VST3 - Elixir is not available as 32 channels (24 max) in Reaper
- HEar - AU - Crashes Ableton
- HEar - Do not work properly with Ambisonic streams
- Trax - Ran out of CPU error and playback issue in Protools
- Verb - AAX - Moving any temporal parameter mute audio and generate noisy artefacts
- Verb - HOA 3rd order not working properly

Host Specific

- All plugins - VST2 - GUI cropped in TwistedWave
- All plugins - VST3 - Do not process the audio in TwistedWave
- EVO EQ - AAX-DSP - Not listed in DSP plugins list
- EVO Series - AAX DSP - No metering
- Evo Channel/Evo EQ - AudioUnit - LPF cut off frequency badly initialized when samplerate is 2FS or more
- StereoTool - AAX DSP - No metering

A.2 Build 24.06.0.50386 - All plugins

A.2.1 Improvements

- All plugins - Preset manager filter options updated
- All plugins - Preset recall button improved
- All plugins - Preset save button improved

A.2.2 Bugs

- AAX - Preset manager - Default preset is not applied to parameters at plugin instantiation
- All plugins - AAX bad GUI recall with user scale x2 and display scale x2
- All plugins - AU - auval real time safety checks
- All plugins - All parameters are reset when reloading a session when using presets
- All plugins - GUI issue on Windows
- All plugins - GUI issue with Retina in FLStudio
- All plugins - Mouse wheel not working anymore on knobs
- All plugins - Parameters are reset when deactivating/reactivating the plugin in Protools
- All plugins - Parameters are reset when loading a session if a preset is used
- All plugins - Preset manager font issues
- All plugins - VST3 - Keys not working in Pyramix

- All plugins - VST3 - Meters not working in Adobe premiere Pro, Adobe audition, Isotope RX10 and Waves Studio Rack
- All plugins - VST3 - preset name back reset to default when loading a session
- All plugins - VST3 - Can't edit values using keyboard on Windows
- All plugins - mouse wheel + shift key increase controls value when scroll down
- All plugins - AAX - Crash protocols when using the protocols plugin preset manager on Windows
- All plugins - VST3 - crash plugin scan when OSC enabled in prefs
- EVO Channel - Dark mode display issue when closing/opening the plugin
- EVO Channel - custom preset does not load some parameters
- EVO In - Phase shift amount automation line display issue in Logic
- EVO Series - Display issues on some parameters values
- EVO Series - Missing controls text
- EVO Series - Save button from preset manager not working
- EVO Series - save/recall/copy A & B preset buttons from main window not working
- EVO Series - wrong RMS reference value initialisation
- Elixir 1-Stage - GUI broken
- EvoEq - very low noise generated when offline rendering (32bit FP)
- HEar - AudioUnit - Crashes validation in Logic
- Preset Manager - Refresh missing - Preset name still displayed as current preset after being deleted.
- Solera - VST3 on Windows - DExp tab selected as default
- StereoTool - Correlation phase meter is wrong when quality setting set at 60fps
- StudioSession Plugins - May fail to scan in logic
- StudioSession Plugins - loads without the limitations
- Trax - VST3 - Learn feature not working
- VST3 - Some plugins are blacklisted in Cubase 13 on Windows
- VST3 - Conformity report
- VST3 - Display quality (15/30/60Hz) always reverts to initialized value
- VST3 - Verb & VerbSession - Crash in VST3 test host unit test
- VST3 - presets slots values are not correctly recalled when a session is saved after using morphing
- Verb - AAX - Matrix not reloaded on atmos 9.1.4 tracks
- Verb - Does not load the saved multichannel layout
- Verb - Multichannel layout not automatically set in Logic
- Verb - When in High Density, the dry signal is output
- Verb Session - AAX - GUI issue in HiDPI on Windows

A.2.3 Known Issues

Important

- All plugins - AU - Crash in Logic 10.5 on MacOS Mojave
- All plugins - VST2 - GUI cropped in TwistedWave
- All plugins - VST3 - Do not process the audio in TwistedWave
- All plugins VST versions- GUI issue in Izotope Ozone and Davinci Resolve
- Elixir - Latency not properly compensated after changing stage parameters value in VST and AudioUnit
- Elixir - Reaper - VST3 - Elixir is not available as 32 channels (24 max)
- Evo Channel/Evo EQ - All formats -Bad init on the lowpass filter cut off frequency
- HEar - AU - Crashes Ableton
- HEar - Do not work properly with Ambisonic streams
- HEar - Failed to load HRTF message in Logic until audio playback
- Trax - Ran out of CPU error and playback issue in Protools
- Verb - AAX - Moving any temporal parameter mute audio and generate noisy artefacts
- Verb - HOA 3rd order not working properly

A.3 Build 23.07.50310 - All plugins

A.3.1 New features

- Support Pro Tools new track formats

A.3.2 Bugs fixes

- All plugins - Nuendo - VST3 - crash when stereo plugins are instantiated on multichannel tracks (StereoTools, ...)
- All plugins - Pace protected plugins fail to scan on Da Vinci Resolve mac
- All plugins - Popups wrong metrics when changing screen
- All plugins - Presets not imported
- All plugins - VST3 - Nuendo - WIN (UHD360) - Wrong window size init
- All plugins - VST3 - WIN (UHD630) - REAPER - GUI refresh issue when in single window mode
- All plugins - GUI issue with AMD graphics on windows - flickering issue
- All plugins - AU - Plugins parameters are reset when bouncing in Reaper
- All plugins - VST2 - no multichannel with the plugins 23.X in Reaper
- All plugins - VST - Resizing the GUI does not update the floating window size in Nuendo on Windows with UHD630 graphics
- Bittersweet - VST3 - crashes on Pyramix on instantiation
- StereoTool / EVO Channel - VST3 - No goniometer / analyzer in Wavelab
- Elixir - Not available as 32 channels in Reaper
- EVO series - AAX - Dark Mode wrong GUI init

- EVO series - remove unused and duplicated presets
- EVO Channel - VST3 - spectrum smoothing slider crashes Studio one
- EVO Channel / EVO Eq - VST3 - Analyzer not working in Ableton Live
- EVO Channel / EVO Eq - scale eq control always reload on auto mode
- EVO Eq - weird release on meter
- EVO In - GUI refresh issue when toggling night/day mode
- EVO Touch - Zero Crossing Threshold label missing in the geek panel
- EVO Touch - frequency band selector does not always recall the good settings on session reload
- EVO Touch/ EVO Channel - Frequency range slider is hard to handle
- Pure Serie - VST3 - Attack value max 80ms
- Pure Comp - Crash when loading “Bass guitar” preset
- Pure Limiter - VST3 - advanced mode does not turn on advanced settings
- StereoTool - VST3 - vector scope not working in Ableton Live on Windows
- StereoTool - Not working in Final Cut Pro
- TRAX - Crash using oversampling with sessions set at 2FS or higher
- TRAX Tr - not usable in Protools anymore (build 50123)

A.3.3 Known issues

- All plugins - VST - GUI issue in Izotope Ozone and RX
- All plugins - AAX - Preset manager - Default preset is not applied to parameters at plugin instantiation
- Elixir - Latency not properly compensated after changing stage parameters value in VST and AudioUnit
- TRAX tr - Learn function returning wrong values
- VerbV3 - HOA 3rd order not working properly

A.4 Build 23.1.0.50251 - All plugins

A.4.1 New features

- New plugins Evo Compressor, Evo Touch and Evo EQ.
- VST3 support
- ARM support for AAX, AU and VST3
- Plugins are now resizable
- Elixir now supports 32 channels
- Alchemist, BitterSweet, Epure, Pure Compressor, Pure DCompressor, Pure Expander, Pure DExpander, PureLimiter, Solera, Syrah now support 16 channels

A.4.2 Bugs fixes

- All plugins - Preset Manager - Update user preset do not work
- All plugins - Preset manager - Crash or freeze when saving a preset
- All plugins - UI may be black on Intel UHD 630 graphical cards
- All plugins - AU/VST3 - Preset manager - Default preset is not applied to parameters at plugin instantiation
- All plugins - AAX - Crash with OSC when changing fx slot in Pro Tools
- All plugins - AU - Logic Pro - Automation of boolean/integer parameters broken
- All plugins - AU - Plugins crash in Da Vinci Resolve
- All plugins - DaVinci Resolve - VST - UI is truncated
- All plugins - Streamlabs - Plugins do not work
- All plugins - Licensing issue in DaVinci Resolve and GarageBand
- Alchemist - The range parameter works only for the 1st band
- BitterSweet - Not possible to tweak the Output gain after unlinking it
- BitterSweet - Output gain not reloaded properly when the link is disabled
- BSPro - some modes are not accessible due to GUI issue
- Epure - macOS - Bad graphic scale initialization at 2&4FS
- Evo Channel - Meter reference is not saved
- Syrah - Crash when selecting preset “Static fast compression”
- TRAX Tr - When the link is activated, the Formant slider does not have the expected audio effect
- TRAX Tr - ProTools - Issue in AudioStudio when the modulation is enabled
- VerbSession/VerbSession Studio Session and BSPro StudioSession - Pyramix - VST crash when instantiated
- Verb/Verb Studio Session - Crash when reloading session having 2 instances

A.4.3 Known issues

- All plugins - VST - GUI issue in Izotope Ozone and RX
- All plugins - AAX - Preset manager - Default preset is not applied to parameters at plugin instantiation
- Elixir - Latency not properly compensated after changing stage parameters value in VST and AudioUnit
- TRAX tr - Learn function returning wrong values
- VerbV3 - HOA 3rd order not working properly

A.5 Build 21.12.0.50123 - All plugins except TRAX and StudioSession

Bug fixes

- All plugins AudioUnit - GUI issue with Hdpi displays on macOS Monterey
- All plugins VST - Plugin scan freeze in Wavelab 11 on Mac M1 machines
- All plugins VST - Crash in Adobe Audition on macOS
- All plugins VST macOS - Fix crashes with Ableton live
- Elixir - Automation is not read for toggle parameters.
- Elixir - Crash when clicking on the settings button on Session version
- Elixir - Several fixes on the UI
- Elixir - Windows AAX - Refresh issue with two instances in ProTools
- HEar - Bypass is working in AAX
- HEar AAX - Crash when doing offline bounce on macOS
- HEar AAX - Crash when editing the matrix on macOS
- HEar AAX - Stereo - Change on Matrix are not applied until we change the preset
- HEar AudioUnit - Ableton crashes when inserting a second instance

A.6 Build 21.11.0.50107 (HEar, IRCAM Verb)

NOTE: CURRENTLY NOT COMPLIANT WITH ABLETON LIVE MACOS

Improvement

- HEar - 5.1.4 & 5.0.4 now available

Bug fixes

- HEar - Fix meters refresh issue
- HEar - No verb on some presets
- HEar - Protools crashes when doing offline bounce on macOS

A.7 FLUX:: Immersive - Plugins (including IRCAM Tools) 21.09

This release includes updates for all FLUX::Immersive plugin processing products with the exception of EVO Channel, Epure, IRCAM Trax, Studio Session.

NOTE: CURRENTLY NOT COMPLIANT WITH ABLETON LIVE MACOS

Major optimizations

- Apple computers Big Sur (new M1 chips) AU validation
- Important updates to the Ircam Verb + Session
- Overall better handling of multichannel track setups such for Atmos. (Ircam Hear, Verb and more)
- Automatic detection of track format / channel order for DAWs when possible.

A.7.1 Build 21.9.0.50083

Bug fixes

- Apple computers Big Sur (new M1 chips) AU validation failing
- Empty GUI when close/reopen plugin - Windows 10 - UHD630 graphics
- AudioUnit in Reaper - do not process audio when offline bounce
- Default preset not loaded correctly on instantiation of Verb + Verb Session
- Evo.Channel on Retina - Input and Output Sliders badly scaled
- Incompatible AudioUnit issue in Apple Final Cut Pro
- Plugins: Recall Preset Flags (e.g. “All but setup”) recall always everything
- Preset Manager - UI issue with small plugins when a preset has been created
- Ircam Verb Session reload in VST with audio interruption

- VST Plugins Session not correctly reloaded if it integrate an IO configuration change
- Verb session - Dry/wet not applied in offline render
- Verb v3 Atmos crash on AAX
- Verb: AU validation failed on Apple M1
- Verb: LFE not disabled by default on ProTools
- Verb: Recall Preset may be not correct with double click inside the preset manager
- Verb: disabled channel is not re-injected according to dry/wet parameter (100 % wet means muted)
- Verb: init issue with Nuendo
- AAX - Some plugins - Crash on Mac / No GUI on Windows
- Overall reliability / stability fixes.
- Plugin size not correct
- Potential plugins crash when opening UI

A.8 FLUX:: Immersive - Plugins (including IRCAM Tools) 20.12

This major release includes updates for all **FLUX::Immersive** products with the exception of IRCAM Spat V3 legacy product. Please refer to Spat V3 - Spat Revolution crossgrade options.

Major optimizations

- HiDPI / Retina support + display enhancements and fixes
- Page Table unification for **Avid Control**, S1, S3, S4, S6 and S6L.
- OSC Control for plugins.
- **IRCAM Verb** support for Dolby Atmos, Multichannel support up to 16 channels
- **IRCAM Hear** - Multichannel stability improvement, Now up to 10 channels. (Dolby Atmos 7.1.2)
- **IRCAM Tools** - Audio I/O Matrix and Multichannel enhancement
- Most plugins support of 8 channel.
- 16 channel support for **Bittersweet Pro, Evo In and Evo Channel**

A.8.1 Build 20.12.0.49880

Bug fixes

Core:

- BPro - Latency report issue (AAX)
- IRCAM TRAX Tr - Latency report issue
- IRCAM Verb - Wrong initialization value for Reverb density
- IRCAM Verb -Dry signal still goes out in disabled channels when wet is 100%

- All Pure Dynamics PI + Alchemist - Wrong Thresholds initialization values
- AAX “monolithic” are broken like Hear, TRAX etc...
- Almost all AAX plugins don’t reload parameters from 47856 version session.
- Pure Limiter - Diff feature bypassed the input gain.
- Pure Limiter - Inverted sidechain filters.
- Any plugin except Evo Channel - Research Presets resets when click on a preset.
- Evo channel - Wrong values when reloading touch section.

UI:

- Current preset name disappear on re-opening GUI or session

A.9 Known Issues

- Wavelab “Sample rate not supported” when a plugin is inserted on a clip, track or output section.
- TRAX Tr - Learn frequencies display wrong values (AAX only).
- Hear - Internal config labels change when modify LFE input config from routing matrix.
- When using OSC on a plugin in Pro Tools, a crash will occur if you change/move FX insert slots