StudioVerse – Mix Unlock

User Guide



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Introduction

This guide assumes you are already familiar with StudioVerse Audio Effects and covers only the controls and workflows relevant to Mix Unlock. For the complete StudioVerse user guide, click Here.

Mix Unlock lets you split the signal from the main rack and separate any mixed track into either two stems (Vocals and Playback) or four stems (Vocals, Drums, Bass, and Instruments). Each stem can then be processed independently with its own rack of plugins or further divided using Parallel or Multiband splits.

Note: Mix Unlock is a Premium feature and requires an active Mix Unlock license.

Mix Unlock – Tech Specs

Latency: 44.1Khz - 2048 Samples (46.4ms), 48Khz – 2048 Samples (42.7ms), 88.2Khz – 4096 Samples (46.4ms), 96Khz – 4096 Samples (42.7ms)
Components: Mono, Stereo
Sample Rates: 44.1Khz, 48Khz, 88.2Khz, 96Khz

Quick Start

Follow these steps to get started with Mix Unlock:

1. Instantiate StudioVerse Audio Effects on a DAW track.
2. Click an empty slot and select **Mix Unlock**. You can also click the drop-down arrow next to the slot and choose **Mix Unlock**.
3. Select a stem configuration:
   - **2 Stem (Vocals / Playback)**
   - **4 Stem**

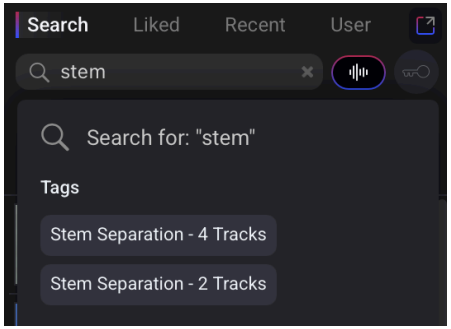
The Mix Unlock panel opens on the left side of the StudioVerse window, displaying the available stem racks. From here, you can:

A. Load plugins into the stem racks as desired to process each stem independently.
B. Split the audio signal in each one of the stems using **Parallel Split** and **Multiband Split**.
C. Use the **Volume** faders and **Pan** controls at the bottom of each stem rack to adjust the balance of the stems.
D. Use the **Mute** and **Solo** buttons to isolate or silence individual stems during playback.
E. Use the **Sensitivity** knob (located above the Mute and Solo buttons) to increase the plug-in's focus on separating the selected stem.

Note: Mix Unlock processing is only available in the main rack and cannot be loaded within Parallel or Multiband splits.

Presets

One of the great strengths of StudioVerse Audio Effects is preset management: search, organize, load, and share presets in a cloud service. The StudioVerse section is on the left side of the interface.



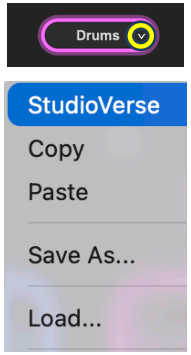
To locate Mix Unlock chains, use the **Search** feature in the StudioVerse panel and type the word ‘Stem’ to select either one of the following:

- **Stem Separation - 4 Tracks**
- **Stem Separation - 2 Tracks**

StudioVerse will then display all Mix Unlock presets that use the selected stem configuration.

Loading a Chain on a Mix Unlock rack

You can load an effects chain on each Stem:



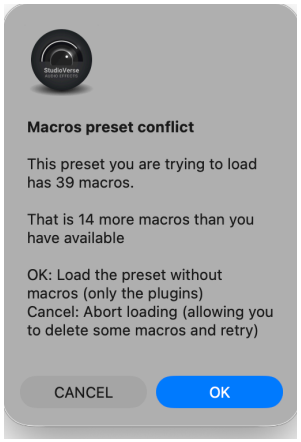
1. Click the drop-down arrow next to the stem name.
2. Choose **StudioVerse** to find a chain online that’s specific for this type of stem - a tag with the stem type will automatically be added to your search parameters.

   You can also scroll down the list and pick one of the Factory presets or load any User preset from the Local menu at the bottom of the list.

Loading chains with macros in mix unlock

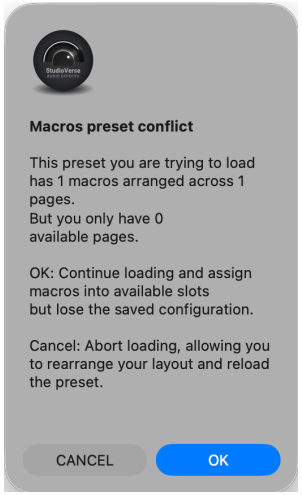
With up to 104 available Macros, StudioVerse now supports loading chains on Mix Unlock stems along with their saved Macros.

When a loaded chain contains Macro assignments and it seems like you no longer have available pages, StudioVerse can cleverly place them in available Macro slots in earlier pages



If there are not enough available Macro slots for the preset's Macro assignments, you'll see the following message:

Click **OK** to load the chain without Macros. In this case, only the plugin chain is loaded.
Click **Cancel** to stop loading the chain, remove or unmap existing Macros, and then load the chain again.



If there are available (unused) Macro controls in earlier pages but not enough available Macro pages overall, you'll encounter the following message:

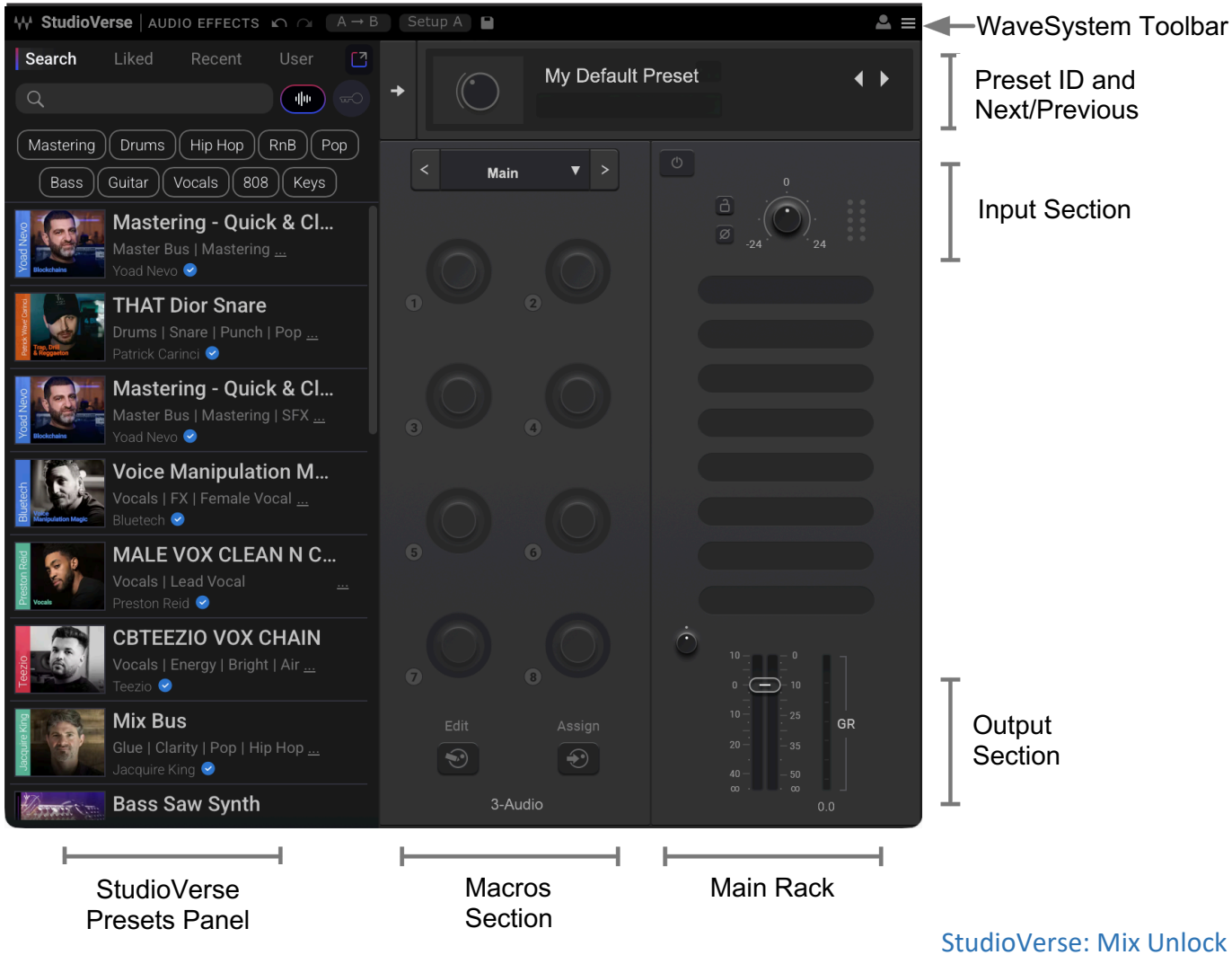
Click **OK** to assign the new Macros in available spots in previous pages.

Click **Cancel** to stop loading the chain, rearrange or remove Macros before reloading the chain.

Interface

The interface is divided into three functional sections: load and manage presets; use macros to place a preset's most important controls at your fingertips; and insert and control plugins. When you instantiate StudioVerse Audio Effects on a DAW track, it looks like this:

Initial View/Main Chainer



Mix Unlock

Mix Unlock is similar to routing individual tracks in a DAW to separate processing chains, except that the stems are created in real time from a single mixed source, and all processing takes place within one StudioVerse Audio Effects instance. Each stem can be processed independently, allowing different effects chains to be applied to different elements in the mix.



Signal Flow

Each rack represents an audio stem for independent processing. Below is a visual breakdown of the 4 Stem component:



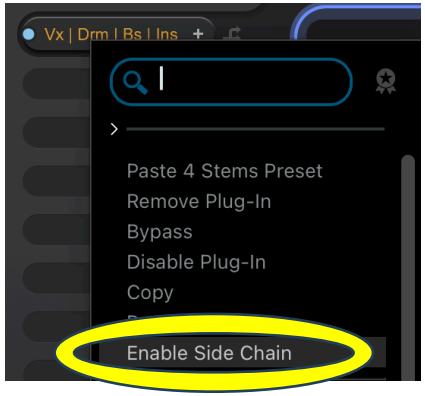
To Use the **Sensitivity** control to increase the neural network's focus on separating a specific stem.

Keep in mind that Increasing sensitivity for one stem may reduce the separation focus applied to other stems.

A Mix Unlock Rack's position in the Main Chainer determines where all its hosted racks occur in the signal flow. Mix Unlock is available only in the Main Chainer and cannot be inserted within Parallel or Multiband Split racks.

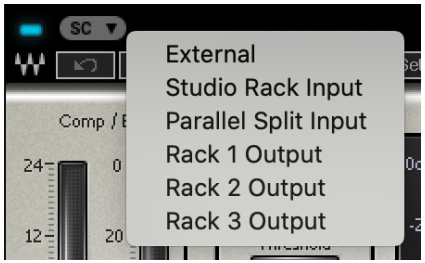
Mix Unlock is a Premium feature that requires an active Mix Unlock license. When the license is active, Mix Unlock can be inserted in the Main Chainer.

Internal Sidechain



To enable internal sidechain for Mix Unlock,
Right-click the Mix Unlock component from the rack and choose **Enable Side Chain**:

Then, click the **SC** button in the upper-left corner of any sidechain-enabled plug-in, and choose a source from the list:



External	Sidechain signal is from the internal patch of the host DAW.
StudioVerse Audio Effects Input	Sidechain is from plugin input, before input gain control, before main rack processing.
2 Stems / 4 Stems Input	The Mix Unlock insert in the main rack is used as the sidechain source.
Rack # Output	A Mix Unlock stem is used as the sidechain source for a plugin, before rack gain and mute controls and after the panner.

Note: Internal Sidechain sources are limited to splits or stems that occur *earlier* in the processing order.
In Mix Unlock's 4 Stems mode, for example, that order is:
Vocals (Rack **1** Output), **Drums** (Rack **2** Output), **Bass** (Rack **3** Output), then **Instruments** (Rack **4** Output).

This means that the Drums stem can use the Vocals stem as a sidechain source, but the Vocals stem cannot use the Bass stem as a sidechain source, and subsequently the instruments stem can use Vocals, Bass or Drums.