auraVox User Manual





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Overview

What is auraVox?

auraVox is a vocal-focused chain plugin designed to create modern, mix-ready vocal tones quickly and consistently.
It features three core processors: EQ, Compressor, and Random FX, which let you shape tone balance, dynamics, and space in a single, intuitive workflow.

By removing unnecessary controls and focusing on the essential tools actually used in real vocal production,
auraVox helps you achieve professional results with minimal effort.



Overview

Development Background and Philosophy

auraVox was developed in collaboration with the artist **slchld.**
Rather than simply designing a sound, the plugin was refined through repeated **real vocal recording and mixing sessions,** systematically testing how vocal tones react and transform in different musical contexts.

The development was guided by two main goals:

1. **Musical responsiveness** – achieving natural dynamic movement that reacts to the vocal input level (especially within the compressor).
2. **Simplified workflow** – building a structure that even non-engineers and artists can use intuitively.

Using slchld's actual vocal tracks, we fine-tuned the **EQ balance, compressor release curves, and FX randomization algorithm.**
As a result, auraVox is not just a set of presets, but rather a **system that responds to vocal performance.**

Core Concept Summary

Component	Description
Musical EQ	A 3-band EQ tuned around the key vocal ranges: low-end density, midrange clarity, and high-end openness. It's designed to shape tone musically, not just by cutting or boosting frequencies.
Input-Responsive Compressor	An adaptive compressor that automatically adjusts its release time based on the strength of the vocal input. It reacts quickly to louder parts and smoothly follows softer ones, keeping dynamics natural and musical.
Magic Button / Random FX Engine	Each press creates a musically balanced combination of delay and reverb, letting you explore new space and character while keeping the vocal clear and upfront. Once you find a sound you like, it stays locked until you press the button again.
Preset System	All settings, including Magic Button FX, are automatically restored across sessions. When you reopen your project, the last selected sound loads instantly, and you can also save it as a preset.

EQ Section



The EQ module in **auraVox** is a 3-band equalizer designed around the core frequency areas of the human voice.
Each band is optimized for the ranges most commonly adjusted during real vocal recordings, allowing you to achieve a musical tone balance without excessive tweaking.

Parameter	Frequency Range	Description
BASS	110 Hz	Controls the density and warmth of the low end. This range shapes the body and fullness of the vocal. Use subtle adjustments to avoid muddiness.
MID (GAIN / FREQ)	150 Hz – 5.0 kHz	Adjusts the center frequency (FREQ) and gain (GAIN) of the midrange. This range defines vocal presence, clarity, and character.
TREBLE	10 kHz	Controls brightness and air in the high end. Enhances openness and space, but boosting too much may emphasize sibilance.

Design Notes:
Each band uses a fixed, musically tuned Q value with a smooth curve that is gentler than most vocal EQs.
This approach helps maintain the natural texture of the voice while allowing you to achieve a mix-ready tone quickly.

Compressor Section



The compressor in **auraVox** does not expose traditional parameters like **Ratio, Attack,** or **Release.**
Instead, it uses an adaptive system where the release time automatically changes based on the input level.

How It Works

- **When the input is loud (strong vocals, peak sections):**
  The release becomes slower, preventing harsh pumping and keeping levels stable.
- **When the input is soft (gentle or conversational vocals):**
  The release becomes faster, allowing the dynamics and breathing to recover naturally.

Why It's Designed This Way

- Vocals have a naturally wide dynamic range, so the input-based release keeps the overall performance smooth and consistent.
- It saves setup time because you can shape the tone and level with just a few knobs while the algorithm handles the fine-tuning.
- It avoids unwanted effects like pumping or boosted breaths.

This compressor focuses entirely on input-responsive release behavior.
Even without adjusting Attack or Ratio, it reacts naturally to the vocal performance.

As a result, it builds a solid, musical foundation before adding spatial effects like Random FX, and it reduces the need for fader riding or de-essing.

Magic Button & Smart Random FX Engine



This is the heart and creative core of auraVox.

Every time you **press the Magic Button,** the internal **Smart Random FX Engine** activates and generates a unique combination of **Delay (Stereo or Chorus Delay)** and **Reverb (Plate or Spring Reverb)** using a musically bounded randomization algorithm. It doesn't just mix things randomly; it creates combinations that make musical sense within real vocal mix contexts.

Musically Bounded Randomization

Each FX combination is tuned to match tempo, rhythm, and tonal balance, ensuring that every result naturally fits into a vocal mix.With just a slight adjustment of the **Mix control,** any generated sound becomes **instantly mix-ready.**

It may sound hard to believe, but when calculated mathematically,
the Smart Random FX Engine can generate about 50 billion different combinations of delay and reverb.
This includes variations in left and right delay sync rates, delay types, feedback levels, reverb types, decay times, and more.
Of course, some sounds may end up feeling similar, but with such an enormous range of possibilities,
if you discover a sound you truly love, you might never be able to recreate it again.
That's why we strongly recommend saving your favorite sounds as presets once you find them.

Even if a sound initially feels a bit too bold or unusual, adjusting the **Mix value** can help it blend perfectly with your vocal.

Magic Button & Smart Random FX Engine

Explorative Design

You can press the Magic Button as many times as you want to discover different textures and spaces.
Once an FX combination is selected, it stays locked until you press the button again.

Persistent State

When you reopen your project, the last FX combination is automatically restored.
You can also save any setup you like as a preset for later use.

MIX (Dry/Wet Control)

Controls how much of the effect blends with your original vocal.
Fine adjustments can completely change the vibe, especially for unexpected combinations.

Design Intent

The Magic Button is not just a random button.
It's a smart random FX engine that only generates musically meaningful combinations, allowing you to explore vocal-focused spatial sounds quickly and intuitively.

With a single click, you can experiment with new textures and moods,
gain instant inspiration, and keep your creative flow uninterrupted.

System Requirements & License Activation

Requirements

- macOS 10.13 or later / Windows 10 or later (64-bit only)
- VST3 / AU compatible DAW
- Minimum 4GB RAM (8GB recommended)
- Universal (Apple Silicon + Intel) support

License Activation

- When you launch auraVox for the first time, a license activation window will appear.
- You can either enter your license key or choose the trial option to activate the plugin.
- While the activation window is open, the track will remain muted automatically.
- Once activation is completed, the mute is instantly removed and the plugin becomes fully functional.



AAX format is currently not supported.

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