

dxRevive

USER MANUAL



accentize
Intelligent Audio Tools



Overview

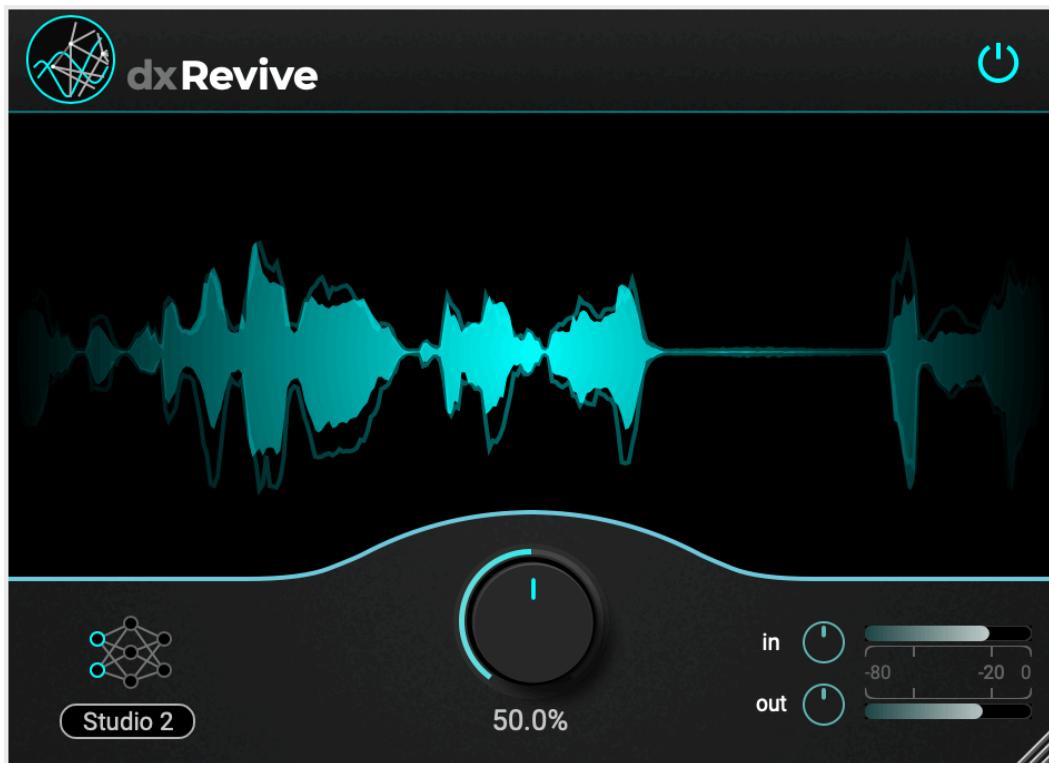
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Introduction

Welcome to the official user manual for dxRevive by Accentize!

Within the pages of this guide, you'll uncover the essential insights and techniques needed to harness the full potential of dxRevive – the ultimate noise reduction plug-in designed not only for audio professionals in movie and TV audio post-production but also for podcast editors and enthusiasts of historical audio restoration.

Utilizing groundbreaking AI technology, dxRevive transcends the boundaries of conventional noise removal, working to restore clarity and tone to your audio recordings in ways previously unimagined. Whether you're a newcomer to the realm of audio restoration or a seasoned expert, this manual equips you with the knowledge to elevate your audio to unparalleled heights. Let's embark on this exciting journey of audio enhancement together.





About

dxRevive presents itself as a versatile speech restoration plugin, dedicated to enriching the quality of various dialogue recordings. Unlike many other restoration plugins, dxRevive doesn't merely filter the signal. It goes beyond, identifying and reintegrating missing frequency components, yielding studio-like recordings from diverse source materials.

Its capabilities span:

- Noise removal
- Reverb elimination
- Restoration of absent frequencies
- Elimination of Codec Artifacts (e.g., from Skype or Zoom recordings)
- Recovery of clipped audio
- Seamless replacement of missing samples to address audio dropouts
- Application of spectral corrections
- ...

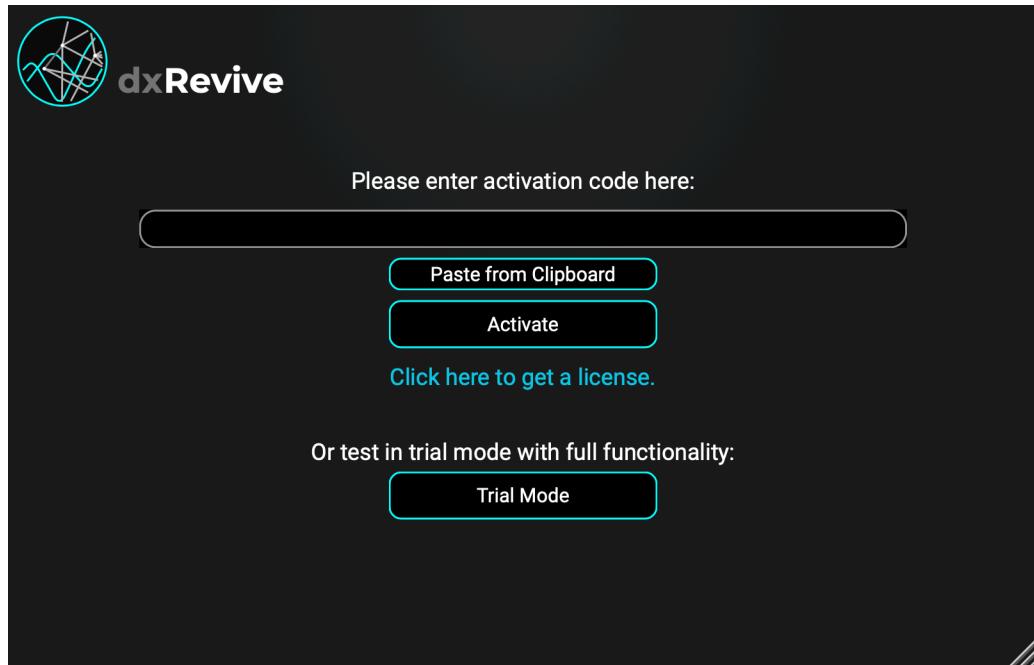
By employing machine learning techniques, much of the parameterization is performed automatically in the background. Users need only adjust a few straightforward controls. This streamlined process ensures efficiency, a valuable asset given the often demanding project timelines.

For a more comprehensive understanding of the controls refer to the following pages.



Activation

When starting the plugin for the first time the following registration screen will appear:



You can either activate the plugin with a purchased activation code or starting it in Trial mode. For activation simply enter your code in the corresponding text field and press Activate. This has only to be done once and the registration screen won't appear again.

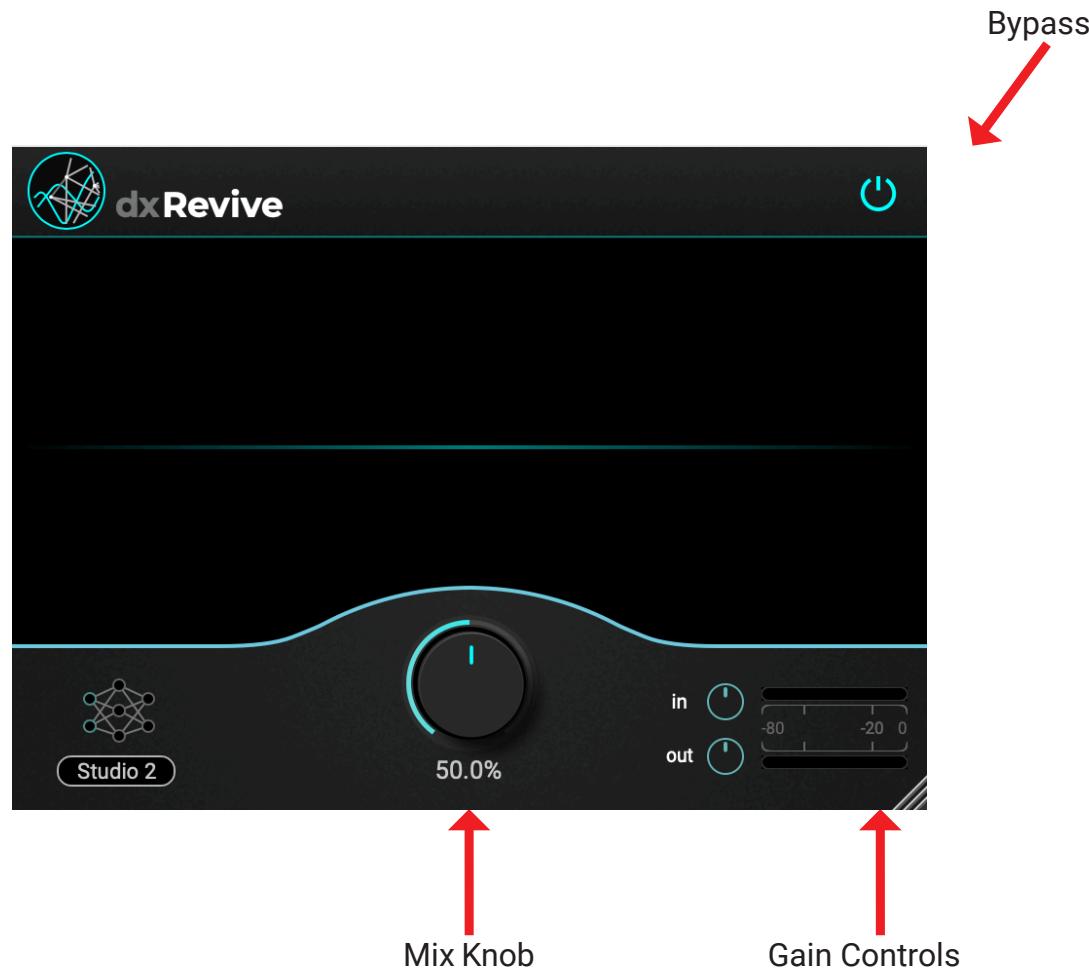
When started in trial mode there will be random 3 second silence gaps when listening to the audio.



User Interface

Main Controls

Below you see a overview of the user interface showing the main controls:



Bypass: The Bypass button disables the processing of the plugin. It can be used to easily compare the signal before and after processing.

Mix Knob: The mix knob is the main control of the plugin and controls the amount of processing that will be applied. If set to 0% the original signal will pass through unaffected. When turned up more and more enhancement will be happening. 100% will result in a fully enhanced signal. Note that higher mixing value can potentially cause processing artifacts which can be reduced by slightly turning down the mixing again.

Gain Controls: The gain control section shows the level of input and output signals. If one of the signals gets to loud and starts to clip it will turn red. Use the control knobs next to the level visualization to adjust the gain. The processing isn't very sensitive to different gain levels. However, for very low input signals the input gain can be increased a bit to potentially achieve better results.

Algorithm Selector: In the bottom left there is an algorithm selector which allows you to switch between different versions. It is recommended to use "Studio2" which is the newest generation. In some cases the older "Studio" algorithms might still be desirable and when in doubt we recommend A/B testing between both.

Visualization

When processing a signal the plugin will show the input and the output waveform. The filled area shows the enhanced output while the solid line shows the input



When hovering with your mouse over the visualization you can use the mouse-wheel to modify and adjust the scaling of the waveform.

Specifications and system requirements

dxRevive is built upon cutting-edge deep learning algorithms, which typically necessitate specialized hardware (GPUs) for execution. However, these algorithms have been extensively optimized, allowing the plugin to operate efficiently on regular hardware locally, without the need to transfer data to the cloud. Given the plugin's considerable computational requirements, we advise integrating it into your workflow through offline rendering methods, such as AudioSuite in ProTools or Direct Offline Processing in Nuendo/Cubase.

Minimum system requirements:

- Windows 7 (64-bit), 4 GB RAM, Dual-Core CPU 2.3GHz
- Mac OS X 10.12, 4 GB RAM, Dual-Core CPU 2.3GHz

Specifications:

- 44.1kHz, 48kHz, 88.2kHz, 96kHz, 192kHz
- Mono / Stereo
- VST3 / AU / AAX
- Native Apple-Silicon Support

Generally, the plugin should work with most plugin host softwares. It has been tested and is officially compatible with: Reaper, ProTools 11 or higher, Nuendo, Cubase, Ableton Live. Please use the free trial to ensure compatibility with your setup before purchasing.



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