

Welcome to Audio Enhancer

Audio Enhancer is a suite of tools designed to improve and enhance your audio with processes based on professional studio-grade recording effects and techniques.



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Modules

Equalizer

Audio Enhancer's equalizer allows you to add warmth and character by precisely boosting and cutting the desired frequencies with analog-modeled filters.

Three node types are available. Click the 'Enable' checkbox next to each filter type in order to engage that particular node:

- **Low Shelf** - for boosting or cutting any low frequencies
- **Peaking** - to control any presence boost or cut in the middle of your frequency spectrum
- **High Shelf** - to boost or cut the high frequency material in your audio.

Frequency (Hz) and Gain (dB)

The green x's mark each of the equalizer nodes. You can adjust each EQ filter by clicking on a node and dragging the crosshairs to change the frequency and gain of the band.

Q/Slope

If you move the mouse over the "handles" on the side of the band, you can adjust the Q or bandwidth of the EQ by dragging with the mouse and widening the band.



Tip - If you have a wheel mouse, you can use the mouse wheel to widen/narrow a selected band.

Visuals

As you adjust a band you may see two EQ curves. The bright red curve is the composite of all EQ bands while the darker red curve shows the EQ curve of the selected band only.

Reverb

Audio Enhancer includes a high quality reverb module that can add a consistent sense of depth and space to a mix. It is designed to put a final gloss or sheen on the entire mix while still preserving the sense of space that may have been created in your original audio.

- **Amount** – controls how much of your audio will be processed with Audio Enhancer's reverb. Larger values will increase the perceived space of your mix where smaller values will only provide very light ambiance enhancement.

Exciter

The exciter can give clarity or polish to the upper frequencies of your audio. Using one of the selected harmonic profiles below, you can add sparkle and shine to your mix.

- **Retro:** based on a slowly decaying row of odd harmonics which is characteristic for transistors.
- **Tape:** Tape modeling can be recognized as a brighter sound due to the odd harmonics found in tape saturation models.
- **Tube:** Tube modeling is characterized by its clear "tonal" excitation with an emphasis on dynamic or transient attacks.

Amount – brings in more or less excitation of your audio signal. Larger values will make the high end frequencies stand out in your mix.

Tip – While very bright and crisp audio can sound great upon initial listening, with your amount set too high, the audio can be fatiguing or grating to listen to for extended periods of time.

Widener

Audio Enhancer allows you to set widening and imaging for your audio in order to give it a great sense of stereo depth and space without adding reverb or delay.

Amount - sets the amount of stereo widening for each band. Higher amounts provide more widening, while lower negative amounts will make your stereo audio closer to a mono signal.

-100% (less wide) - 0 (unprocessed) - 100% (full widening)

Loudness Maximizer

The Loudness Maximizer allows you to create overall louder and fuller audio by limiting the dynamic range and boosting the perceived overall level of the mix. Audio Enhancer lets you boost the level of your mixes without sacrificing dynamics and clarity.

Amount - determines how much the Loudness Maximizer will limit your signal. Higher values will limit more of the signal which in turn will create an overall louder mix.

In other words, by turning up the Amount slider, you limit the dynamic range of the mix, which in turn allows you to increase the overall level of the mix.

Output Gain

This allows you to control the overall output level of your audio passing through the Audio Enhancer plug-in.

Keyboard Shortcuts

You can use the mouse or the keyboard to control Audio Enhancer. Before you can control the plug-in with the keyboard, you need to make sure one of the controls has the keyboard focus.

You can give a control the focus by clicking on its label or adjusting its value with the mouse. Then any keystrokes will be directed towards that control.

The plug-in will respond to the following keystrokes:

- **Left Arrow / Down Arrow** - Decrease current control's value. Hold shift to move control by larger values.
- **Right Arrow / Up Arrow** - Increase the current control's value by a small amount.
- **Control (Ctrl) Key** - Hold while adjusting parameters for more precise control.
- **Alt + Click** - Hold Alt key then click on any control to reset it to its default value.

Additional Support

For additional support, contact Sony Creative Software:
<http://www.sonycreativesoftware.com/support/default.asp>

Thanks for using Audio Enhancer.

-The iZotope Team