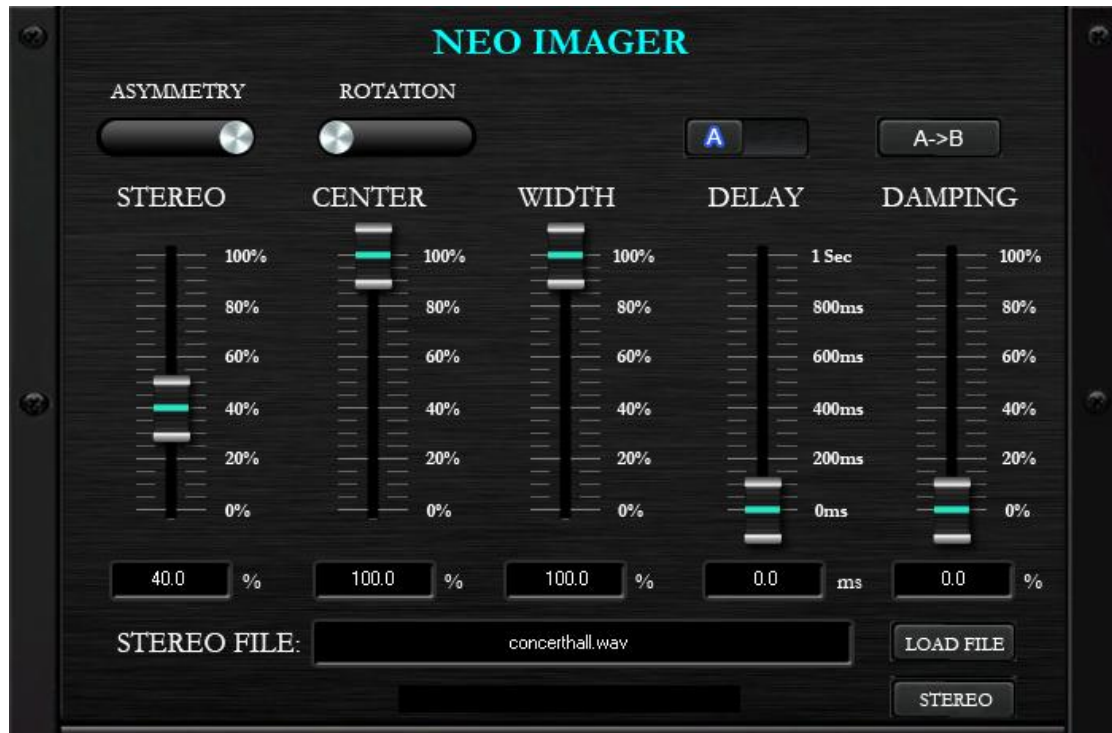# Neo Imager

Hybrid Stereo Enhancer and Imager

Developed by

Operational Manual

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Introduction

Neo Imager is a hybrid tool which combines a Stereo Enhancer and an Imager. You can adjust both the stereo position of your music/tracks and enhance that stereo feeling as well. It is very useful when you need put an instrument into a different position, or make a mono recording "pop" into a stereo feel.

Neo Imager use a new technology which we call "Enhanced M/S Matrix", which enables you to rotate the sound, make it wider or put it into a deeper position. You can also add a delay effect and/or a natural damping effect to the sound, which really creates a natural stereo image.

Using traditional methods, changing a mono sound to a good sounding stereo image is "nearly" impossible. Engineers will often apply some delay to one channel and that sounds a little bit better than mono but it still cannot compare to a true stereo sound. Neo Imager is a stereo enhancing plug-in that is based on a revolutionary approach which we call Partial True Stereo Convolution. In a real space, the sound usually comes from a single point. We are able to identify where the sound is because the signal reaching our right ear is different than the one reaching our left. The timing of arrival may be slightly different and the natural reverb of the space will differ as well. The different route the sound takes through the space is combined with different early reflections allowing our brains to pinpoint the sound.

In theory, if you could capture the True Stereo IR at the recording point, you could recreate the stereo with a mono signal. In practice, Sound Magic chose to concentrate only on those early reflections which are around the Haas Effect Range. In this way, the resulting sound will have the spatial feeling without too much of the reverb feelings. By using this method, Partial True Stereo Convolution not only creates a better, more natural sound than traditional methods, but it also can re-create the spatial feeling.

If you have ever felt the need to have a little more control over the stereo image of your recording, Neo Imager is a must-have tool for your library.

Neo Imager shares the same True Stereo IR library with Neo Reverb, which make it easy to extend with more space types.

Features

Internal 64-bit floating point precision

Innovative Enhanced M/S Matrix enables users to adjust stereo position with meticulous controls.

Innovative Partial True Stereo Convolution Technology adds realistic stereo feeling to your mono tracks, and enhanced the stereo feeling for current stereo tracks

Delay and Damping effects enables a better position feelings.

A/B setting makes it very convenient to A/B comparison.

Support up to 32Bit/384KHz resolution.

Register Neo Imager

Neo Imager must be registered before it could sound.

You have to enter keycode into the text box.

First, please find the text box named Enter Your KeyCode Here

Then paste the keycode into the box

Press Enter, you will see Authorized to XXXXXXXX

If the text box still shows the keycode, it means the keycode is not correct, You need to contact customer service to get a new keycode. Please note 95% of the failures are caused by copy one more space at the beginning or the end of the keycode.

What if YOU enter the keycode incorrectly?

The only solution for this problem is for the customer to delete the Windows Registry Entry.

Click "Start" on the windows desktop.

Click "Run" and type in 'regedit' then press enter. A window will appear.

Click the 'Edit' tab and select 'Find..." and type in "NEOMIXING "then press enter.

Right click on the folder highlighted in the Left window and select 'Delete' and click 'Yes' to confirm to delete this item.

Close the window.

Load the VST and it should show " *Enter Your KeyCode Here * "

If it does not show this message you should follow the above procedure again taking care to follow every step.

Controls

Stereo File: Select which partial true stereo IR you want to load here. You need to press **load file** button to load the files. Please note you also need to copy the folder which contains the IR files to your VST folder. If not, the IR will not work unless you relocate the file position.

Load File: press this button to load the files. There are 10 IR files inside the Neo Imager folder waiting for your choice. Default setting is using Concert Hall IR.

Stereo: Adjust the amount of the stereo enhancer. The more, the more stereo feeling will add to the sound. Default setting is 40% which is a good start point.

Center: Adjust the center amount here. Center is the M is M/S which means if you decrease it, will hear the sound in a deeper position or become wider.

Width: Adjust the width amount here, decrease it will result the sound to be more mono.

Delay Time: Adjust the delay time for your track, measured in ms.

Damping: Usually when the sound travels around the space, it will be damped. This setting will enable you to damp the sound to get more realistic sound.
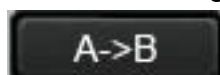
Rotation: It sounds like the sound pans to left or right, but actually, it rotates the sound. Please not the initial position of this slider is at the left side. At this point, the sound will not rotate.

Asymmetry: Select different microphone sound here

Mono/Stereo: Press this button to select the input type, if the input audio is mono, you should make it in mono state. If the input is stereo, then it must to be stereo state.

Select A Setting or B Setting for AB Comparison.

Apply current setting to B setting, will store it as B setting. Useful when you need to decide which settings is better.