aXDelay

a1Delay/a3Delay/aXDelay

Ambisonic delay plugin

v. 1.2.2

User Manual



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Requirements

To use the **aXDelay** you must have a program or DAW capable of handling plugins with the required number of audio channels without applying any additional processing.

Installation

1. Download the .zip file from your account on https://www.ssa-plugins.com
2. Unzip the folder and run the installer to place the contents in the default VST3/AU/AAX folder on your computer.
3. Open your DAW and rescan for new plugins
4. Add the plugin to a new track that can handle multichannel audio. For example, in Pro Tools | Ultimate this will require you to create an Ambisonic track/buss.
5. If required, make sure your computer is connected to the internet, enter the serial number emailed to you to activate the plugin.

To uninstall simply delete the plugin files from your computer. On Windows you can uninstall from Add/Remove Programs.

Plugin Summary

The **aXDelay** allows an Ambisonics signal to be delayed and the delayed signal to be rotated independently of the dry signal. Up to 5 delays can be programmed, each with their own feedback, gains and rotation parameters. Delay times can either be set manually or to musical time matching the host tempo.

Parameters

The **aXDelay** has the following parameters:

- **Dry Gain**: The level the dry signal can be adjusted from -60dB to +12dB.
- **Wet Gain**: The level the delayed signals can be adjusted from -60dB to +12dB.
- **Tempo Sync**: Select whether the delay time is set manually or as a fraction of the plugin hosts musical tempo.
- **Delay Time**: The manual delay time (in milliseconds) of the delayed signal.
- **Level**: The gain of the delayed signal relative to the dry signal from -60dB to +6dB.
- **Feedback Gain**: The gain applied to feedback of the delay from -60dB to 0dB. Note that a feedback gain of 0dB will lead to a non-decaying signal that will continue repeating indefinitely.
- **Yaw, Pitch and Roll**: The yaw, pitch and roll parameters used to rotate the delayed sound field. The dry signal is not rotated.
- **Bypass**: Select whether the particular delay module is activated or deactivated.

Usage Notes

The **aXDelay** requires SN3D/ACN format Ambisonics as an input.

Automatic Order Detection - The **aXDelay** automatically selects order to match that of the input signal by estimating the signal order. This helps to keep the CPU use as low as possible while allowing the encoding order to be changed earlier in the signal chain without having to change parameters on the **aXDelay**.



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