Voxengo Latency Delay User Guide

Version 2.5

https://www.voxengo.com/product/latencydelay/

Contents

Introduction

Latency Delay is an auxiliary plug-in which allows you to compensate latency produced by any audio plug-ins, instruments and processes which produce latency but do not try to report it to the host audio application. Latency Delay introduces 10000 samples latency itself and delays the audio signal by 10000 minus the specified amount of samples or milliseconds, thus eliminating the unreported latency. Please note that host audio application should support the latency compensation itself for this plug-in to function properly.

Features

- Stereo and multi-channel processing
- Preset manager
- Undo/redo history
- A/B comparisons
- Contextual hint messages
- All sample rates support

Compatibility

This audio plug-in can be loaded into any audio host application that conforms to the AAX, AudioUnit, VST or VST3 plug-in specification.

This plug-in is compatible with Windows (32- and 64-bit Windows XP, Vista, 7, 8, 10 and later versions) and macOS (10.7 and later versions, 64-bit Intel processor-based) computers (2.5 GHz dual-core or faster processor with at least 4 GB of system RAM, SSE4.2 instructions support required, e.g. any Intel Core i-, AMD Bulldozer- or Zen-based processor). A separate binary distribution file is available for each target computer platform and audio plug-in specification.

User Interface Elements

Note: Most interface elements (buttons, labels) located on the top of the user interface and on the bottom are standard among all Voxengo plug-ins and do not require much learning effort. For an in-depth description of these and other standard user interface elements and features please refer to the “Voxengo Primary User Guide”. Learned once it will allow you to feel comfortable with all pro audio plug-ins from Voxengo.

Latency Delay (milliseconds)

This group of knobs specifies millisecond-accurate negative delay. Note that each knob affects a single decimal position of the whole delay time value.

The “Quick entry” field allows you to enter delay value as a single number.

This plug-in should be inserted to the track or bus which requires latency correction. The amount of delay necessary is usually determined empirically.

Latency Delay (samples)

This group of knobs specifies sample-accurate negative delay. This value is summed together with the delay specified in milliseconds to produce an overall negative delay time value.

Credits

DSP algorithms, internal signal routing code, user interface layout by Aleksey Vaneev.

Graphics user interface code by Vladimir Stolypko. Graphics elements by Vladimir Stolypko and Scott Kane.

This plug-in is implemented in multi-platform C++ code form and uses “zlib” compression library (written by Jean-loup Gailly and Mark Adler), LibLZF by Marc Alexander Lehmann, VST plug-in technology by Steinberg, AudioUnit plug-in SDK by Apple, Inc., AAX plug-in SDK by Avid Technology, Inc., Intel IPP and run-time library by Intel Corporation (used under the corresponding licenses granted by these parties).