



aXGate

a1Gate/a3Gate/a7Gate

Ambisonics gate and downwards expander

v. 1.1.0

User Manual



Peter Stitt – peter@ssa-plugins.com
<https://www.ssa-plugins.com>

Requirements

To use the **aXGate** 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 **aXGate** is a gate and downwards expander that can be used on any Ambisonics channel format that has the W/omni channel as the first input.

Parameters

The **aXGate** has the following parameters:

- In Gain: Adjust the gain of the input signal.
- Threshold: Set the level threshold at which the gate begins to act.
- Ratio: Adjust how much the signal level is reduced when it falls below the threshold. A ratio of "inf" then it acts as a gate. Lower ratios act as a downwards expander.
- Knee Width: Adjust how wide the knee is for the compression curve. Larger values lead to longer transitions between the uncompressed and compressed functions.
- Attack: The time in milliseconds (ms) for the Gate to open once a signal goes above the threshold.
- Release: The time in milliseconds (ms) for the Gate to close once a signal goes below the threshold.
- RMS/Peak: Selects whether the average or peak signal levels are used to trigger the gate.
- Out Gain: Adjust the gain of the output signal after processing.

Usage Notes

The **aXGate** can be used on any Ambisonics channel format that has the W/omni channel as the first input (e.g. AmbiX and FuMa).

Automatic Order Detection - The **aXGate** 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 **aXGate**.

The displayed range of the gain reduction can be adjusted by right-clicking on the display area and selecting from the dropdown menu.



VST is a trademark of Steinberg Media Technologies GmbH, registered in Europe and other countries.