OSC Messages

An OSC Message consists of an address pattern, that specifies which functionality is concerned, and a list of arguments (e.g. parameter values).

The address patterns in the IEM Plug-in Suite have the following specification: First the name of the plug-in to control, in order to avoid unexpected effects when mistaking the ports, and then the desired command. After that, the list of arguments is appended: `/<PluginName>/<command> <arg1> <arg2> ...`

An example message to control the azimuth of the StereoEncoder looks like the following: `/StereoEncoder/azimuth 40.0`

You can control each VST parameter by using its internal parameterID for the command part of the OSC Message. The subsequent argument has to be a value in the correspoding range of the parameter. There are additional comands to provide a more intuitve and practical use. A list of all possible commands and ranges is presented below.

Generic commands marked with a * have been overladed, this means that the range might have been adjusted to be more meaningful. E.g. AllRADecoder's `decoderOrder` command: VST Parameter Range is `[0:6]`, which has been increased to `[1:7]` to represent the Ambisonic Order without an offset.

CoordinateConverter

Generic Commands

Command	Range / Arguments	Description
azimuth	-180 : 180	Azimuth Angle
elevation	-180 : 180	Elevation Angle
radius	0 : 1	Radius
xPos	-1 : 1	X Coordinate
yPos	-1 : 1	Y Coordinate
zPos	-1 : 1	Z Coordinate
xReference	-50 : 50	X Reference
yReference	-50 : 50	Y Reference
zReference	-50 : 50	Z Reference
radiusRange	0.1 : 50	Radius Range
xRange	0.1 : 50	X Range
yRange	0.1 : 50	Y Range
zRange	0.1 : 50	Z Range
azimuthFlip	0 : 1	Invert Azimuth

elevationFlip	0 : 1	Invert Elevation
radiusFlip	0 : 1	Invert Radius Axis
xFlip	0 : 1	Invert X Axis
yFlip	0 : 1	Invert Y Axis
zFlip	0 : 1	Invert Z Axis