

OttoXMSVersion 20160226 readme.txt

website: http://jelstudio.dk/VSTplugin_OTTO/
Email: jelstudio@hotmail.com
Twitter: <https://twitter.com/JELSTUDIO>

Alternative and Experimental version

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(Password to unlock full versions is the same as for the normal Otto)
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OttoXMS
Version 20160226:

Audio-wise this is a combination of OttoX (20160214) and a mid/side (MS) processing routine (using Otto's wave-shaping logic) only included in OttoXMS. Be advised that OttoXMS keeps the mid/side routine ALWAYS ON! To avoid mid/side processing, use OttoX or Otto.

This version has 6 user-controls.

"Mid/Side Link" / default value: 0 (zero, mid/side-link is OFF so that channels will auto-balance independently of each other)
Use this control to select whether mid/side-channels should be linked or not. Values are either 0 (zero, no link, Otto's normal behavior) or 1 (maximum link, meaning mid/side-relation will mostly be preserved)
Note that an absolute channel-link is unattainable due to Otto's amplitude wave-shaping and that one or both channel's DC-offset can increase when stereo-link is ON (value 1 selected).

"Mid/Side Max Phase" / default value: 0 (zero, phase is limited to a max of 90°)
Use this control to select whether possible mono-channel phase-cancellation is allowed.
Values are either 0 (zero, mono-channel is safe, phase is limited to a max of 90°) or 1 (one, mono-channel is NOT safe, phase is NOT limited but may go all the way to 180°)

"Stereo OTTO" / default value: 1 (one, normal OTTO is engaged and active)
Use this control to either use or bypass the normal Otto.
Values are either 0 (zero, normal stereo-processing is OFF, leaving only mid/side part active) or 1 (one, both mid/side-processing AND stereo-processing is ON)

"Tempo Bias" / default value: 0 (zero, normal response time)
Use this control to slow down or speed up from Otto's normal response time (affects mid/side mode AND stereo mode)
Values range from -1 (slower than normal), through zero (same as normal), to +1 (quicker than normal)

"Bias Range" / default value: 5 (adjustment range of Tempo Bias control)
Use this control to set how strongly the Tempo Bias control reacts (to allow for either more precise control or more dramatic changes)
Values range from 1 (best precision by allowing only a small Tempo Bias change) to 9 (less precision but allowing a larger Tempo Bias change)
When Tempo Bias is set to 0 (zero) Bias Range has no effect.

"Stereo Link" / default value: 0 (zero, stereo-link is OFF so that channels will auto-balance toward a centered sound and remove DC-offset in both channels) Use this control to select whether stereo-channels should be linked or not. Values are either 0 (zero, no link, Otto's normal behavior) or 1 (maximum link, meaning stereo-image will mostly be preserved)
Note that an absolute stereo-link is unattainable due to Otto's amplitude wave-shaping and that one or both channel's DC-offset can increase when stereo-link is ON (value 1 selected).