

DSE

v. 1.0

USER MANUAL

www.dmaxaudio.com

DSE

is a stereo enhancer based on S-channel equalization and adding Ultra Low Frequency. It can be used for mastering and mixing purposes on stereo tracks. All DSE effects are 100% mono-compatible. Supports sample rates up to 192kHz.

SYSTEM REQUIREMENTS

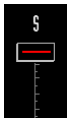
- PC: Windows XP/Vista/7
VST-compatible host
- MAC: MAC OSX version 10.4 or later.
VST-compatible host.

INSTALLATION

- PC: Unzip the archived file into the root directory of your computer.
You will get “\DMAX Audio\” folder. Files for 32-bit OS version are in the “WIN” sub-folder, and the files for the 64-bit OS version are in the WINx64\ folder.
Depending on your OS architecture find there DSE.dll and copy it into your plug-in folder.
Usually the plug-in folder you can find in “\Program Files\Steinberg\Vst Plugin\”.
Update the plug-in information of your host.
- MAC: Open zip file. Go to the MAC sub-folder. Copy DSE.vst into the folder
“Library\Audio\Plug-Ins\VST\”.
Update the plug-in information of your host.

VST is registered trademark of Steinberg Media Technologies GmbH.

S-CHANNEL VOLUME FADER



Is intended for decrease/increase of stereo effect.

Minimal movement step of a fader is 1. Fader movement range is ± 100 .

-100 – completely removes stereo effect (mono).

100 – doubles stereo effect.

For better understanding of the possible scope of the effect it would be better to try to check the sound for the highest and lowest positions of this fader before the beginning of S-channel equalization.



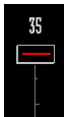
KEYBOARD DATA INPUT

Under each fader there is an indicator window which displays digital value of the fader.

You can input it manually from the keyboard. To do this click in the indicator window.

If the input value exceeds the fader range, the previous value will remain.

S-CHANNEL EQUALIZER FADER



Is intended for decrease/increase of stereo effect at the frequency indicated above the fader. Frequency bands are labeled in Hz and are true at the following sample rates: 48kHz/96kHz/192kHz. For sample rates 44,1kHz/88kHz frequency bands will be 8% less. Minimal movement step of a fader is 1. Fader movement range is +/-100.
-100 – completely removes stereo effect,
100 – doubles stereo effect at the specified frequency.

FADER RESET

To instantly return the fader into the “0” position, you should hold the “Ctrl” button and click on the fader.



FADER DEACTIVATION

If you click on the fader holding “Shift” button then the equalization on this frequency will be deactivated, but the fader will keep its position. You may use this option to listen to the equalization effect at this particular frequency. To return to normal mode hold “Shift” and click fader once more.

SOLO FREQUENCY

If you click on the fader holding “Alt” button then only the frequency indicated above the fader will remain. All other frequency bands will be muted. To return to normal mode hold “Alt” and click fader once more.



M/S SWITCH

Is intended for separate listening to the M and S channels.

M - mono (L + R).

S – only stereo component of the signal (L-R).

MS – complete signal.

You can use M mode to check mono compatibility of the mix and S mode for equalization convenience.

BYPASS BUTTON



Is intended to switch off the stereo enhancer. As the algorithm of the stereo enhancer uses the internal signal delay it is better to use the bypass of the plug-in than that of the host to avoid possible clicks and other artifacts.



ULF FADER

Is intended for adding ultra-low frequency to the S channel, thus enhancing stereo effect. Minimal movement step of a fader is 1. Fader movement range is 0/+100. For better result it is recommended to cut the lowest frequencies out of the S channel (put fader 35Hz into -100 position).



ULF-ON BUTTON

Is intended for switching on and off ULF adding.
If it is off (on plug-in initialization), ULF fader is inactive.

INFORMATION INDICATOR



This color of the indicator shows that you are using the demo version of the plug-in.
ATTENTION! The demo version of the plug-in each minute makes a second – long silence gap.
Please note that the demo version of the plug-in BY NO MEANS can be converted into the commercial one. When you purchase the license you get another file.



This color of the indicator shows that you are using the commercial version of the plug-in.
If clicked, it opens a window with your personal information you submitted during the purchase procedure.