
stereoSPAN - v1.0.11

Shape your stereo image.

noizplay

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Overview



stereoSPAN shapes the stereo image — from mono to wide, with centered bass, artificially generated stereo information from mono material, and tonal correction.

Signal Flow

Routing → stereo gen → mono below → stereo width → tone → balance → out gain

Input Routing

Applied **before** all processing stages.

stereo	Input unchanged
swap L / R	Channels swapped
mono	L+R summed to mono
L → L+R	Left channel only, processed as mono
R → L+R	Right channel only, processed as mono

Processing Stages

stereo gen	Generates stereo information, even from mono material.
mono below	Sums frequencies below the cutoff frequency to mono. Range: 20 Hz – 500 Hz · Default 60 Hz
stereo width	Scales the existing stereo information. Range: 0% (mono) – 100% (original) – 400% (extreme)
tone	Tonal color. Range: ± 6 dB

Each stage can be bypassed using the button above its slider (also automatable, stored in presets).

Output Section

balance	Level balance between L and R. Range: L 100 – center – R 100
out gain	Output level. Range: ± 12 dB
True Peak Meter	Level after out gain. Peak-Hold remains until you click the meter or restart the DAW. Values > 0 dB shown red.

Operation

Sliders	Drag vertically, or click the value display for direct entry
Double-click	Set slider to default value
a/b	Compare / copy two independent settings
Presets	Factory and user presets via the menu in the header.
Info Menu	About dialog and links to useful information.
UI Size	via the icon in the top right corner

Notes

Mono Compatibility

Stereo width adjustments reduce mono compatibility. Check in mono for broadcast / club PA / mobile speakers.

stereo gen vs. stereo width

gen generates new stereo information (works on mono), *width* scales existing stereo information (no effect on mono).

tone

For fine-tuning after width changes. For tonal shaping use a dedicated EQ.

mono below

Tighter low end, better translation, prerequisite for vinyl cutting.

Renaming a Preset

1. Save the preset under a new name
2. Preset menu / Options “Open preset folder”
3. Delete the old preset file
4. Preset menu / Options “Refresh Preset Menu”

Renaming the preset file directly does not work.

Technical Details

Stage	Method	Parameters / Details
stereo gen	Micro-delay	Range 0 - 30 ms, default 15 ms
mono below	High-pass on side signal + mid loudness compensation	Range 20 – 500 Hz, default 60 Hz Slope 12 dB / octave
stereo width	M/S matrix, scaling of side signal + energy compensation for constant loudness	0% = mid only, 400% = side 4x, default 100%
tone	Tilt EQ	Pivot 1 kHz, ± 12 dB spread between low and high band (± 6 dB per band)
balance	Linear balance pan	
True Peak Meter	ITU-R BS.1770	4x oversampling

Files & Folders

Where stereoSPAN places its files.

macOS

Plug-in (VST3) /Library/Audio/Plug-Ins/VST3/stereoSPAN.vst3

Plug-in (AU) /Library/Audio/Plug-Ins/Components/stereoSPAN.component

User presets ~/Documents/noizplay/stereoSPAN/presets/

Preset file extension .nppreset

~ is your user home folder.

/Library (without ~) is the system-wide library.

Windows

Plug-in (VST3) C:\Program Files\Common Files\VST3\stereoSPAN.vst3

User presets C:\Users\%USERNAME%\Documents\noizplay\stereoSPAN\presets

Preset file extension .nppreset

%USERNAME% is your Windows account name.

Uninstall

macOS

Remove the plugin by deleting the items located in /Library:

- /Library/Audio/Plug-Ins/VST3/stereoSPAN.vst3
- /Library/Audio/Plug-Ins/Components/stereoSPAN.component

These are system-wide and require administrator rights.

Windows

Remove the plugin by deleting:

- C:\Program Files\Common Files\VST3\stereoSPAN.vst3

This is system-wide and requires administrator rights.

Your presets are kept

Your user presets (see *Files & Folders* above for the exact location on each platform) are **not** touched by the steps above. Leave this folder in place if you might reinstall stereoSPAN later, or delete it as well if you no longer need your saved presets.

More Info & Disclaimer

Find more info at noizplay.com

The software is provided without any warranty. Content and feature set may change at any time without notice.

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