



PSPaudioware PSP stereoController2 v2.0.1

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PSP stereoController2 is purpose-built to manage, fine-tune, and salvage improperly recorded dual-channel stereo tracks, as well as to apply specialized processing for creative sonic applications. This versatile tool finds utility in various scenarios:

- Correcting unbalanced stereo images resulting from level disparities between channels, common in dual-microphone stereo recordings.
- Addressing subtle time alignment shifts between stereo channels.
- Adjusting the stereo image width of a track to better fit the mix, whether it's too narrow or excessively wide.
- Realigning the perceived center instrument when it appears shifted to one side.
- Emulating an instrument's placement in the sound field through a combination of level and delay panning.
- Handling scenarios where one or both channels exhibit reversed polarity or need channel swapping.
- Decoding Mid-Side (M-S) encoded tracks into traditional Left/Right stereo.
- Narrowing the stereo width of low frequencies or making them mono for optimal speaker or subwoofer playback, and for vinyl cutting reliability.
- Expanding the stereo width of high frequencies to introduce 'airy' harmonics and spaciousness.
- Precise adjustment of stereo imaging during the mastering process for optimal audio refinement.

In essence, PSP stereoController2 serves as a comprehensive solution for manipulating stereo tracks, ensuring they meet desired specifications, and offering a range of creative possibilities for sound design and enhancement.

- **Exceptional Signal Processing Algorithms:** Incorporates high-quality algorithms for superior audio processing.
- **Minimal Delay:** Provides up to 2 ms of delay, effectively correcting distance mismatches of approximately 68 cm (2 ft) between microphones.
- **Stereo Width Expansion:** Enables widening of stereo tracks by up to 400%, ideal for enhancing narrowly recorded audio.
- **Master Gain Control:** Allows adjustment of overall gain with a range of ± 12 dB.
- **Frequency-Specific Controls:** Offers optional dedicated controls for width and gain adjustments in the Low and/or High frequency bands.
- **Band-Specific Gain Control:** Fine-tune the Low and High bands with gain adjustments of up to ± 6 dB.
- **Stability Balance Control:** Adjusts the balance of the sides without affecting the localization of the center content.
- **Center Control:** Modifies the panorama location of the center content for enhanced spatial customization.
- **Standard Balance Control:** Provides traditional balance control for channels.
- **M-S Decoder:** Includes a Mid-Side decoder for versatile stereo manipulation.
- **Output Monitoring and Solo Capability:** Enables monitoring and soloing of Mid and Side signals individually.
- **Channel Swap:** Allows swapping of audio channels for further flexibility.
- **Polarity Switches:** Incorporates polarity switches for both channels.
- **Correlation Meter:** Displays correlation levels for effective audio analysis.
- **Balance Meter:** Provides a visual representation of channel balance.
- **Dedicated Low and High-Frequency Sections:** Separate controls for precise adjustment of low and high-frequency levels and width.
- **Parameter Filtering:** Ensures smooth and click-free adjustment of parameters.
- **High Sample Rate Support:** Compatible with sample rates up to 384 kHz, catering to high-resolution audio needs.



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