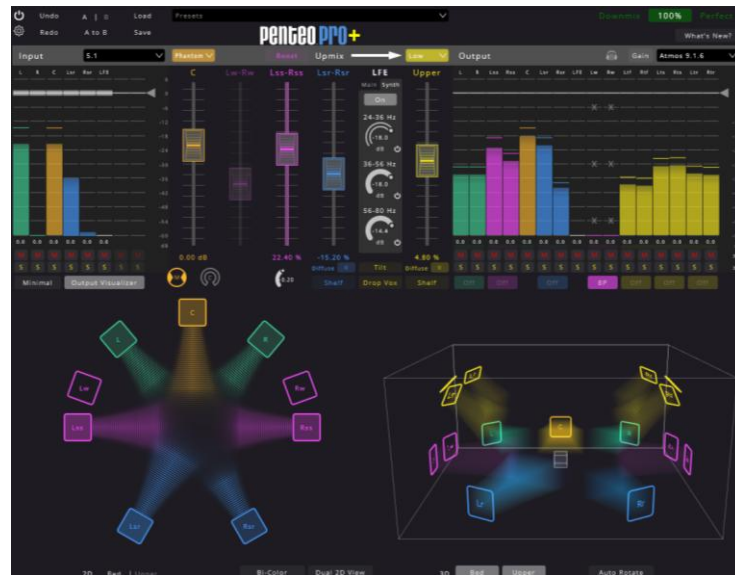


Penteo version 8 adds advanced independent decorrelation control for every upmix dimension

Enhanced user interface & visualizer | Decorrelation Suite | DSP refinements



Penteo Pro+ version 8: Upmix 5.1 Surround to Dolby Atmos 9.1.6 with the decorrelation enabled for synthesized LFE, Surround Divergence and Lw/Rw Stem Bypass

London, UK, September 3, 2026 – Penteo Audio Plugins, the leading upmix and downmix audio plugin developer, today announced the release of Penteo version 8 which adds advanced independent upmix decorrelation controls, enhanced DSP and a new interface with an enhanced visualizer to its award-winning plugins. The expanded Decorrelation Suite delivers the most enveloping, immersive upmix results by taking independent decorrelation control over every upmix dimension for channel pairs, Surround bed, LFE and Bass.

Decorrelation after upmixing is essential for creating greater envelopment and spaciousness in the immersive soundfield so a source can feel larger and more surrounding, with less image collapse and better externalization on headphones via Binaural.

“Penteo version 8 Decorrelation Suite improves spatial placement & separation resulting in more realistic upmixed ambiances that sound distinct without being artificial” said Jeffrey Read, CEO of Penteo Audio Plugins. “Decorrelation is much more than just ‘pushing diffusion’ across channels. The expanded Decorrelation Suite makes it easy for sound designers and composers to take total creative independent

decorrelation control over every upmix dimension for individual channels, surround bed, bass and LFE — while keeping a bit-exact 100% ITU downmix to 62 audio formats.”

New features in Penteo version 8 include:

Independent Decorrelation Control Over Every Upmix Dimension

1. Individual Channel Decorrelation

- **Decorrelate Channel Pairs** - Stem modes isolate an upmixed channel and redistributes the energy to the remaining channels. Stem Bypass is expanded to all seven Atmos channel pairs, and Stem Passthrough expanded to all Surround channel pairs.
- **Wide Fader added** for precise Lw/Rw rebalancing with the other channels in 9.x.x formats.

2. Decorrelate Surround Bed

- **Surround Divergence** dial puts the user in control of how Penteo’s phaseless DSP is decorrelated between a tighter front-stage to more spatial diffusion.
- **Depth immersion** setting keeps front-stage stability while tightening control over more decorrelation and ambience in the Surround channels.

3. Decorrelate LFE

- **Synthesized LFE Sub-Harmonic Generator** across 3 frequency bands, each can be individually muted and linked.
- **Music** (zero LFE offset gain) and **ITU-R 1384** (LFE attenuated 10dB) offer new one-click controls in settings.

4. Decorrelate Bass

- **Acoustic Bass** mode is compensated resulting in a warm, full-sounding downmix, ideal for orchestral music and reverbs.
- **Precise Bass** mode is excellent for pop and EDM which has a bit-exact, tightly defined downmix.

5. 100% ITU Downmix

- **Best of both worlds:** the Decorrelation Suite leverages Penteo’s unique phaseless DSP and therefore always has 100% ITU downmix compatibility. Or disable smart defaults to unlock full artistic freedom with any impact displayed on Penteo’s Downmix Monitor.

DSP Enhancements

Enhanced LtRt Decoding – Penteo is heavily used for audio restoration, the new DSP improves three-channel decoding sound quality.

1. **Improved rapid sonic transition responsiveness** – silence-to-signal and signal-to-silence upmix performance improved with no distortions.
2. **Digital Zero mapping** – absolute silence ensured for digital zero inputs.

New Interface

1. **Enhanced user interface** – Penteo has a new minimal look that uses the same layout and controls but streamlines upmix, downmix and decorrelation workflow efficiencies.
2. **Improved Visualizer with Bi-color mode** – Penteo's 3D Visualizer now displays sound collisions between channels, which is further enhanced by the new bi-color upper/bed mode.

“Penteco version 8 has changed the definition of what ‘upmixing’ means to me. I didn’t expect I would need the Surround Divergence control so badly: I use it on music scores, background ambiences, title music, almost everything because it is so easy to focus the Surround bed” said **Buck Snow, MPSE - 7x Grammy® Award-Winning Sound Mixer**. “The LFE Synth decorrelation adds additional low-end without compromising the downmix. It sounds exactly how you want - very full, tight, and well controlled. And the new Depth Immersion setting is excellent for film mixing, and Vintage mode is ideal for music – love having all these options in Penteco.”

“Penteco is much more than an upmixer — it has become a creative, all-in-one spatial tool that I rely on for my workflows” said **Gustavo Sacchetti - 6x Grammy® Award-Winning Engineer & Producer**.

“Penteco version 8 gives me precise control how sound is spread within the immersive space. The new LFE synth is incredibly useful, and the added decorrelation controls give me the freedom to redistribute and expand Atmos elements while maintaining the coherence and character of the original source.”

“Penteco version 8 was a huge help in creating a wider, more immersive image while preserving the tone, punch, and character of the original mix for both live and studio mixes” said **Rob Jacobs - 5x Grammy® Award-Winning Recording and Mixing Engineer**. “What impressed me most was how consistently Penteco translated between a full Atmos home theater and binaural headphones. Penteco gives me the freedom to create space, width, and depth without ever sounding artificial or sacrificing the musicality of the mix.”

New Release Sale – Up to 40% Off Plugins

Penteo version 8 is a free update for existing Penteo customers and the Decorrelation Suite is included in Penteo Pro+. New licenses are:

- **40% off Penteo Pro+:** Advanced upmix, downmix and decorrelation plugin \$799, sale \$479.
- **20% off Penteo Pro:** Surround and Atmos Upmix and Downmix plugin \$499, sale \$399
- **33% off Penteo 360:** Surround Upmix and Downmix plugin \$299, sale \$199.

Penteo supports AAX/VST3/AU running on Windows / MacOS for Pro Tools, Logic Pro, Reaper, Cubase, Nuendo, AbletonLive, Pyramix, Resolve and Fender Studio Pro DAWs.

Media Information:

- What's New video, screenshots and logos can be downloaded here: [Penteo version 8 press kit](#)
- For NFRs and review copies please contact mel@socia-tech.com
- For a free 14 day trial visit <https://www.perfectsurround.com/freetrial>

About Penteo Audio Plugins

For 16 years, thousands of renowned music composers, sound designers and re-recording mixers at top studios in over 80 countries rely on Penteo's award-winning all-in-one plugins for immediate, phaseless, high-quality upmixing, downmixing, and audio decorrelation for any audio format up to 64 channels. Penteo has been recognized by analysts, press and audio luminaries winning awards for delivering more musicality, dialogue control and advanced creative decorrelation for every music, film, broadcast, streaming, VR/XR and academic workflow. Penteo's unique phaseless DSP delivers a lossless upmix that will always downmix back to the original source 100% ITU to/from 62 different audio formats. Penteo delivers a deeply immersive upmix with wide channel separation without introducing any unwanted sonic artifacts into the process. For more information about Penteo, please visit www.perfectsurround.com

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