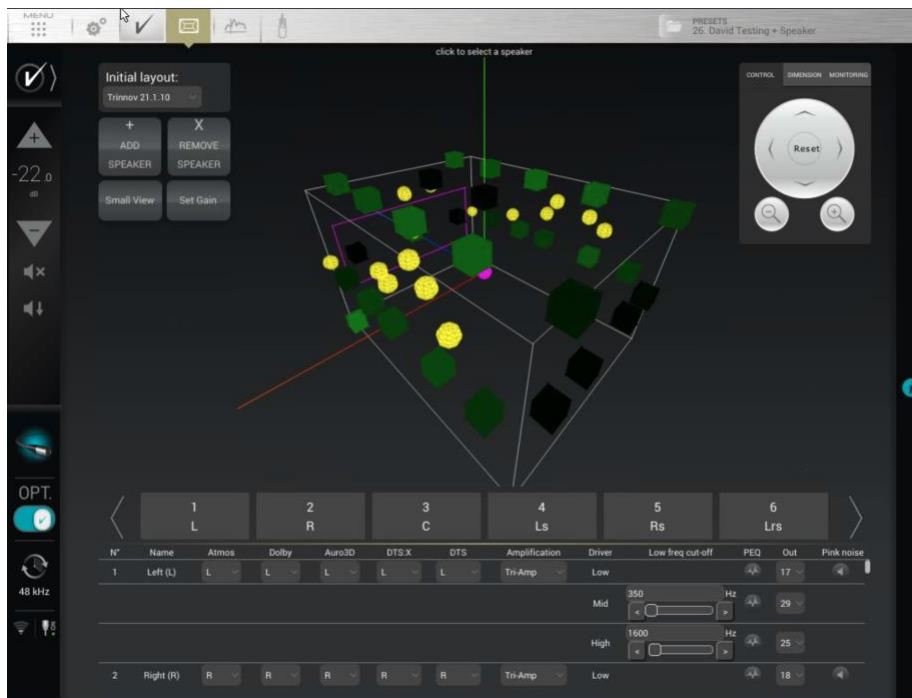


Trinnov Audio Adds First-Ever Dolby Atmos™ Object Viewer to Altitude Processors

Altitude¹⁶ and Altitude³² Now Shipping with New Cypress Technology (CYP) HDMI Board

Paris, France – September 21st, 2020 – Trinnov Audio, designer and manufacturer of reference audio processors for home theaters, high-end hi-fi, professional audio, and commercial cinemas, is pleased to announce the release of software version 4.2.16, an upgrade for the Altitude³² and Altitude¹⁶ processors that incorporates a much-desired but previously unavailable feature: an Object Viewer for Dolby Atmos™. While enjoying Atmos content, Altitude owners will be able to use the processor's user interface to see a graphic three-dimensional representation of the location of each sound object, all in real-time.

The Object Viewer is available on the 3D Speaker Layout and Configuration screen of the Altitude GUI. Reading the spatial information encoded on the source, the Viewer shows each sound object as a sphere overlaid on a graphic representation of the listener's room. Each object moves or remains in a fixed position, as determined by the sound mixer during the final home soundtrack mix. This screen also displays the speaker configuration of the system, with each speaker shown as a cube. A Meter function changes the color intensity of each speaker according to its sound level, with an option to hide the speakers to more easily view the objects. A Pause function allows the user to freeze the screen display for closer analysis.



Check the Object viewer in action [here](#)
[YouTube Link](#)

“We are very happy to deliver to Trinnov owners a highly useful and even educational feature that will enable them to better discover the details of the Dolby Atmos mix of their favorite films and music,” said Trinnov CEO Arnaud Laborie. *“Our customers have shown a great deal of interest in the process of creating Dolby Atmos soundtracks and understanding how sounds are located in playback. Our Object Viewer allows them, for the first time, to see into the audio mix and to identify to what extent the sound mixer has utilized the 3D sound palette provided by Atmos. Our research and development team works tirelessly to ensure that Trinnov remains at the leading edge in delivering innovative capabilities and technologies to our customers.”*

Support for a new HDMI board

In addition, this software release includes support for a new HDMI 2.0 board produced by its new manufacturing partner, Cypress Technology of Taiwan.

Trinnov has now begun shipping Altitude¹⁶ and Altitude³² processors with a new HDMI 2.0 board. The new software optimizes the interface to this new board while working equally well with all previous versions of the Trinnov HDMI board. Functionally, this new board is essentially identical to the previous generation HDMI board but with an additional eighth HDMI input and ARC/eARC capability.

Impulse Generator for Time Alignment

For advanced calibrators seeking to perform custom time alignment of individual speakers and subwoofers, a “Pulse” function has been added for each speaker, located on the Processor/Input page of the GUI. It generates a short, positive pulse at -10 dB full scale. By carefully listening to this signal reproduced by more than one speaker, the calibrator can adjust individual delays in increments of .1 milliseconds to align the speakers. In particular, this function can be highly useful in fine-tuning subwoofers to match the main speakers.

Speaker Manufacturer PEQ Settings

Speaker manufacturers often require electronic parametric equalization filters for specific models, typically required for bi-, tri-, or quad-amplified speakers. Altitude processors can now import these settings, eliminating the need for calibrators to enter filter parameters manually for each speaker. Once these settings are downloaded from a USB key, they become available through an alphabetized pull-down menu located on the 3D Speaker Layout and Configuration page of the Altitude GUI. Multiple speaker manufacturers are now making these settings available for use on the Altitude platform.

In addition, on the 3D Speaker Layout and Configuration page, the PEQ button will be highlighted in blue for any/all channels where filters have been applied.

Graphic Equalizers Set to ISO standards

Graphic equalizers have always been available for each channel on the Processor page of the Altitude GUI. For 4.2.16, the frequency scale for the Graphic EQ faders has been extended down to 10 Hz while still meeting the ISO standard for $\frac{1}{3}$ -octave center frequencies. The additional faders, bringing the total to 34, are provided for 16, 12, and 10 Hz centers.

As before, due to Trinnov’s unique software platform, all Altitude³² and Altitude¹⁶ processors, regardless of the age of the processor, can be upgraded to 4.2.16 through a simple ten-minute download. This update is available to all owners at no cost.

About Trinnov Audio

Trinnov's founders began researching high spatial resolution audio 20 years ago, well before today's immersive audio formats were even conceived.

Today, the French manufacturer is advancing audio performance in homes, studios, and commercial cinemas with its world-renowned loudspeaker/room Optimizer and other proprietary technologies that are protected by over 50 international patents.

With over 5,000 high-performance installations worldwide, Trinnov's unique hardware and software platform enables first-to-market solutions and combats obsolescence, with each installation backed by industry-leading remote technical support. Prestigious customers include Technicolor, Fox, BBC, Globo, NHK, Toho, and UGC. For more information, please visit www.trinnov.com.

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