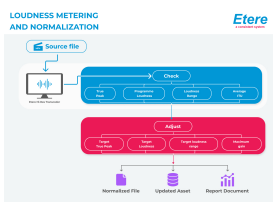


EA1545 ETERE ETX-L LIVE LOUDNESS CONTROL

The Etere ETX-L Live Loudness Control delivers exceptional audio consistency by automatically regulating sound levels with precision. Utilizing the ITU-R BS.1770 and ITU-R BS.1771 standards, combined with advanced peak value analysis, it intelligently mitigates volume fluctuations, ensuring a seamless, balanced, and immersive listening experience.



Loudness Control Etere

The Etere ETX-L redefines efficiency by integrating predictive and automated scheduling control, eliminating the need for dedicated processing hardware and manual intervention.

Etere ETX-L Live Loudness Control stands out as the most versatile software solution for addressing common audio errors and preventing fines associated with excessive transmission volumes. Its capabilities extend to performing preliminary output volume calculations using loudness statistics for a specific broadcast day, ensuring precise control and compliance.

This advanced automated audio control is fully compatible with Etere Automation with ETX, Etere ETX-M Multiviewer, and Etere Ad Insertion. Etere continuously monitors embedded multi-channel surround audio loudness and dynamically adjusts system gain across all channels. This ensures consistently optimal loudness levels and a flawless broadcast experience.

Key Features

- ☐ Perform all audio controls before broadcast to ensure on-air playlists are always error-free
- ☐ Supports multiple controls concurrently
- ☐ Does not require audio compressors; with intelligent technology, ETX-L automatically adjusts the average loudness to meet guidelines before the media goes on air
- ☐ No more fines due to audio loudness mistakes
- ☐ Fast and accurate workflows
- ☐ Up to 100x file-based audio control, including also true-peak detection performed across multiple channels to ensure that "peak-program level limits" are adhered to for each channel



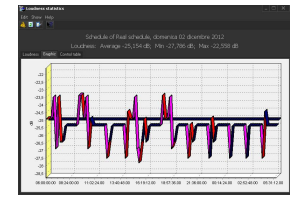
Loudness Average

The Etere Loudness Statistics module automates the calculation of a television playlist's "daily loudness average," ensuring precise audio consistency across broadcasts. This advanced tool evaluates the loudness average for all events within the playlist while performing essential checks, including:

Daily Average Compliance: Ensuring no event in the playlist exceeds the daily loudness average by more than a user-defined tolerance (in dB).

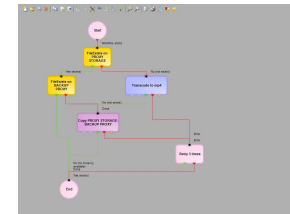
☐ **Event-to-Event Consistency:** Ensuring no event surpasses the loudness of the preceding event by more than a user-defined tolerance (in dB)

☐ These features enable broadcasters to maintain optimal audio levels and adhere to industry loudness standards effortlessly



Workflow Integration

Etere Media Asset Management (MAM) features an advanced, automated high-speed video quality check that includes comprehensive loudness analysis. The system accurately evaluates audio levels, and the resulting loudness data is seamlessly stored in the MAM database as part of the asset metadata. This integration ensures efficient monitoring, streamlined asset management, and adherence to industry audio standards.



Etere Ecosystem Integration

Etere ETX-L seamlessly integrates with the comprehensive Etere Ecosystem, offering unparalleled control and efficiency in managing audio levels. Key features include:

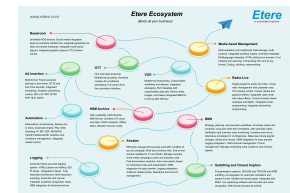
☐ **Pre-Scheduling Configuration:** Operators can predefine minimum and maximum volume levels for upcoming schedules using Etere Executive Scheduling, ensuring compliance before going on-air

☐ **Automated Peak Loudness Analysis:** Etere CMS automatically analyzes the peak loudness and audio phase of all audio outputs, documenting detected values precisely within the asset's EDL at the exact points of occurrence

☐ **Proactive Asset Management:** Verified asset forms are automatically catalogued in Etere Media Asset Management (MAM), enabling operators to identify areas requiring manual inspection well in advance

☐ **Real-Time Alerts:** Operators are instantly notified of any errors encountered during production, ingest, or other workflow phases, such as deviations from preset loudness benchmarks

☐ **Enhanced Loudness Integration:** Etere HiRes Transcoder adds another layer of functionality by enabling file-based loudness normalization alongside encoding, decoding, and transcoding operations between various audio formats



This robust integration ensures precise audio management, streamlines workflows, and guarantees compliance with industry standards.