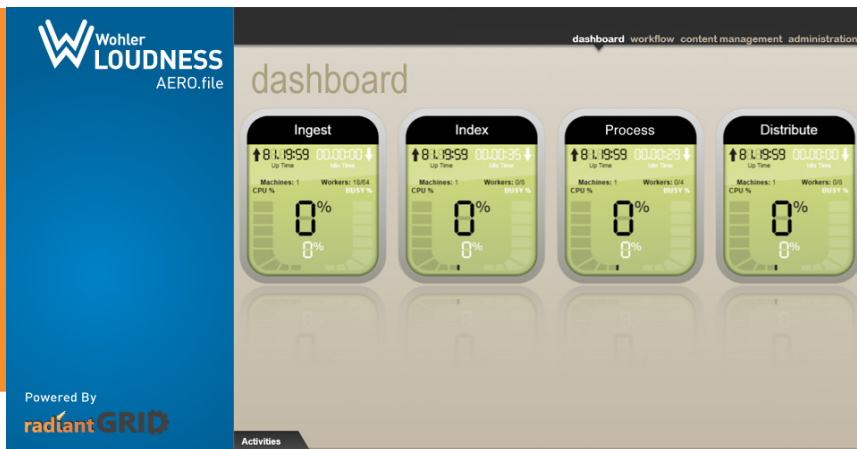


# WohlerLoudness™



## File-Based Loudness Correction with Linear Acoustic® AERO.file® Technology

Powered by RadiantGrid



File-based inspection/correction software provides the means to correct files after ingestion and before playback. Wohler's newest turnkey solution WohlerLoudness powered by RadiantGrid and leveraging Linear Acoustic's industry-leading AERO.file technology provides a proven solution for file-based loudness correction with built-in upmix and downmix capabilities.

Identify and correct loudness issues at ingest, before they become a problem or at 'the edge' of post-production or broadcast workflows. WohlerLoudness leverages a triple-pass approach in the software domain to guarantee the loudness target can be met independently of other processing choices while preserving the quality of the original content. When processing audio associated with video, RadiantGrid transwrapping passes through video streams of any type while separately performing the audio functions via the AERO.file loudness management algorithms—processing audio without the need to decode and re-encode video files.

WohlerLoudness is the result of close collaboration between RadiantGrid, the developer of leading-edge transcoding, transformation, and new media automation service platforms, and Linear Acoustic, a recognized world leader in loudness management technologies.

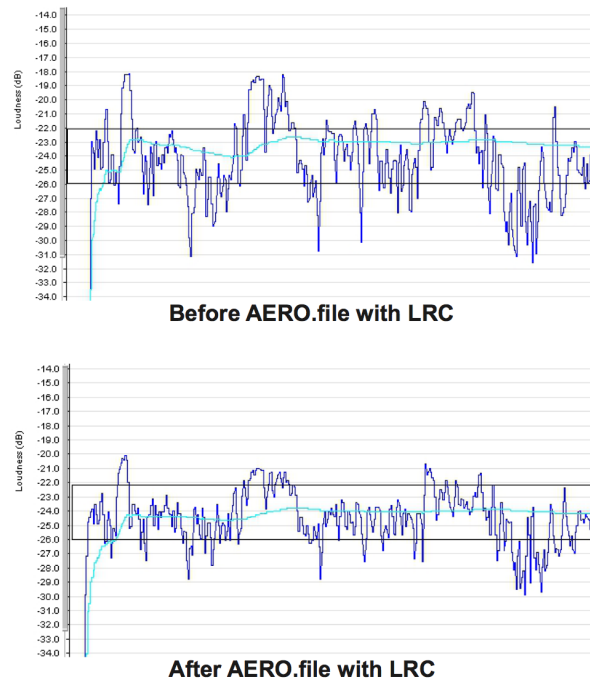
### Features/Benefits:

- Proven solution for loudness and audio control in file-based workflows
- Multi-pass scaling, loudness range control, upmixing and downmixing
- Supports Dolby Digital (AC-3) and Dolby E decoding and encoding, plus a host of codecs for other audio formats
- Manages ancillary data and advanced audio processing for channel re-mapping and insertion of new channels into the video/audio process.
- Transwrap and transmux for a wide variety of file formats
- ITU-R BS.1770 and EBU R128 compliant

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## Loudness Range Control

Sometimes programs have a loudness range, that while appropriate for a movie theatre or a premium channel is challenging to re-purpose for delivery on other channels and especially mobile services. This is where sophisticated loudness range management techniques can be employed. Once scaling is applied to the program, the job of loudness range control (LRC) is dramatically simplified and the effects are minimized. These graphs, captured from actual files, show the results of effective scaling and LRC with AERO.file technology.



## WohlerLoudness Hardware Option

Physical Dimensions	1RU Chassis - nn"(mm) x nn"(mm) (HxD)
Power	500W Redundant Power Supplies 80PLUS Platinum Level (94%+)
Ethernet	Dual Port Gigabit Ethernet
KVM	Integrated IPMI 2.0 and KVM with Dedicated LAN
CPU	Intel Xeon Turbo 8Core 3.3Ghz Processor
Memory	32GB DDR3-1600 ECC REG
Storage	System: 1TB Storage: 4 SATA Enterprise 750GB Hot-Swap (up to 3 additional drive slots) 1.2 million hours MTBF RE4
Redundancy	RAID 5 SAS/SATA RAID -8 Port

WohlerLoudness is also available as a software-only application.

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