

emotion

S Y S T E M S

Solution Sheet

Emotion Systems Engine bring
operational efficiencies to
Audio Processing of Legacy Content



In the dynamic landscape of audio post-production, the term “legacy” often conjures images of outdated equipment, cumbersome workflows, and the daunting task of modernization. However, in the realm of audio processing, legacy doesn’t necessarily imply obsolescence; rather, it signifies an opportunity for transformation and innovation.

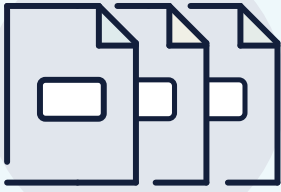
Emotion Systems, a trailblazer in advanced audio solutions, understands the intricacies of legacy formats and workflows. Their flagship platform, ‘Engine,’ stands as a testament to their commitment to addressing the challenges inherent in handling diverse content from up to 60 formats while excelling in production and distribution.

Engine is a highly specialist application that allows the widest range of audio processing that is required for content delivery. Furthermore Engine, at its core, is an extensive automation system that combines high fidelity audio processing with high speed workflow execution. This unique combination allows Engine to sit anywhere in the media pipeline; from content creation to content distribution. The conditional workflow module has mainly been adopted by broadcasters and platforms looking to deliver content.

Challenges with Legacy Formats & Workflows

Legacy formats and workflows present a myriad of challenges:

- **Diverse Formats:** Different formats from various sources create complexity in mastering production and distribution.
- **Outdated Equipment:** Aging infrastructure necessitates updating to meet modern standards.
- **Reformatting & Repackaging:** Content must be reformatted and repackaged to align with delivery requirements.
- **Quality Assurance:** Ensuring quality across the processing pipeline remains paramount amidst transformations.

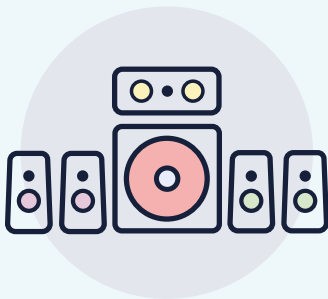


Mixing and Processing Audio Formats

Engine can handle a multitude of audio formats, making it a highly versatile tool for creating new masters or deliverables. The system's flexible architecture supports the mixing and processing of audio streams, enabling users to refine and polish their audio to meet specific production or distribution requirements. With this, professionals can breathe new life into audio content, regardless of its original format.

Software Replacement for DP600 Processor

Emotion Systems' Engine provides a robust software replacement for traditional processors like the DP600. Engine, as a software solution, offers flexibility and scalability that hardware processors cannot match. It allows for easier updates, better integration with other software, and does not suffer from hardware obsolescence. Furthermore, Engine has robust Dolby E, Dolby Digital and Dolby Digital Plus support.

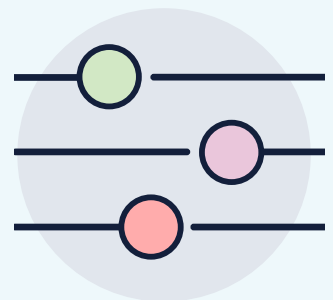


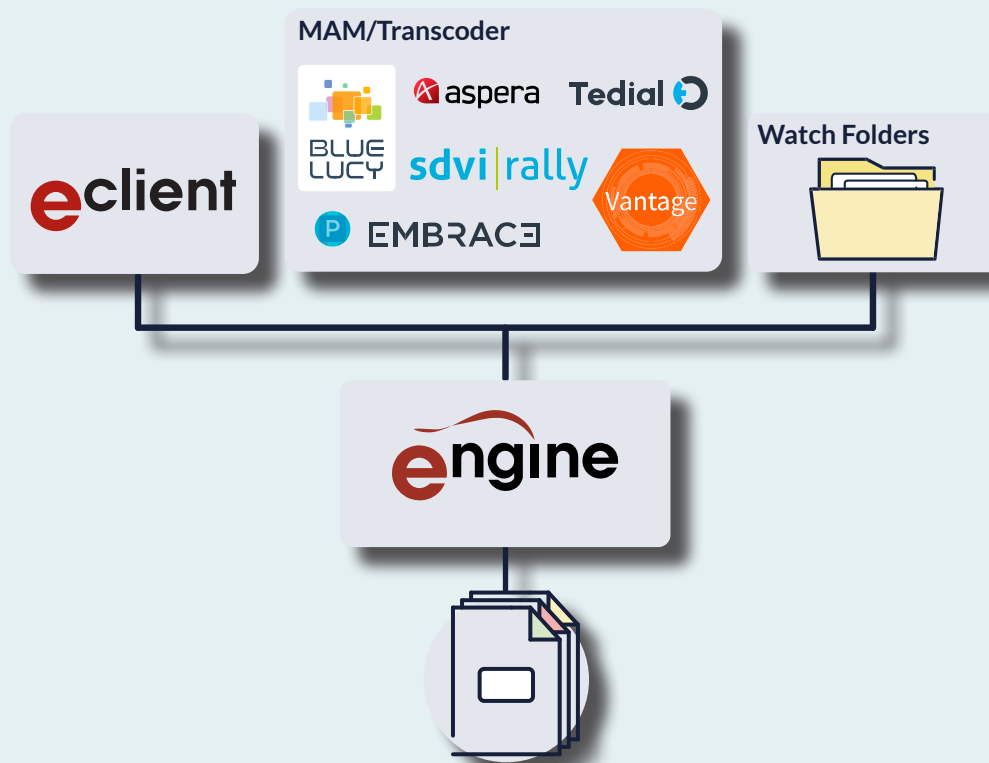
Multiple 5.1 + Downmixes

Engine also excels at creating multiple 5.1 surround sound and downmixes. With its advanced audio processing capabilities, it can efficiently produce a variety of mixes to cater to different playback systems. This ability ensures that audiences can enjoy a consistent and high-quality listening experience, whether they're using a home theatre system, a pair of headphones, or a professional cinema setup.

Loudness Control & Compliance

Engine provides advanced loudness control features, ensuring compliance with international standards. This feature is essential in today's broadcasting world, where adherence to standards like those from the ITU and EBU is critical. Engine's precise control over loudness levels ensures a consistent audio experience across different platforms and formats, eliminating unpleasant volume changes for listeners.





Full Automation of Audio Processing

Engine stands out for its ability to fully automate audio processing tasks. By harnessing multiple ways to automate, Engine streamlines the entire production process, eliminating the need for manual intervention in repetitive tasks, as is the case with many Legacy processes. This not only minimises the risk of human error but also accelerates workflow execution, allowing projects to move forward swiftly and efficiently. Engine's automation features, like its modules, are robust and adaptable, enabling audio professionals to allocate their time and energy towards more intricate and creative endeavors. In the dynamic landscape of audio post-production, where deadlines loom and demands are high, Engine emerges as an indispensable tool, allowing users to explore new depths of creativity while maintaining precision and speed.