SSL expands Next Generation Audio Capabilities at IBC 2025

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SSL System T Updates

Responding to broadcasters' growing adoption of Next Generation Audio (NGA) to deliver more immersive, personalised and accessible content, Solid State Logic is unveiling a range of updates to its System T architecture on stand 8.B73 at IBC 2025. Announcing new technology partnerships with Jünger Audio, Dolby, New Audio Technology, and TiMax, SSL aims to streamline the creation of NGA content by showcasing how the integration of its established control surfaces with third-party processing platforms can simplify complex NGA production tasks. Meanwhile, Open Sound Control (OSC) support provides real time control of audio objects using the familiar System T user interface for a range of external renderers.The development marks a shift-change for object-based broadcast audio workflows, says SSL Broadcast Product Manager Berny Carpenter.

"OSC is a commonly used protocol for integration with external object-based immersive systems across broadcast, theatre and live applications," he says. "Object-based presentations give greater control over the live experience, both for those creating content and also those consuming it. This implementation not only provides XYZ positional controls but can also map unique functions and parameters from each system.

"Up to five independent rendering systems can be simultaneously configured on the same System T console. New systems can be added at any time, and users can define the OSC commands to communicate with a particular piece of equipment so it will work with any compatible system right out of the box. "System T's implementation gives broadcasters the flexibility to plan for a more accessible future and can facilitate a huge range of immersive audio production applications."

SSL has also been working closely with a number of companies to develop more streamlined NGA workflows. At IBC the company is highlighting integrations with Jünger Audio and Dolby to manage broadcast Atmos production workflows, with TiMax Spatial for live sound and theatre use, and with Germany's New Audio

Technology for both live and broadcast applications, including Fraunhofer's MPEG-H standard.

SSL's IBC demo will also showcase an integration with Jünger Audio's flexAI processing platform, enabling broadcasters to adopt more streamlined NGA authoring by providing control over the object selection and monitoring of any presentation, plus recall of Jünger Audio's presets directly from the System T control surface. "SSL's IBC demo illustrates how the AIXpressor can be controlled directly from the System T console to manage the creation of Atmos presentations," says Carpenter. "The integration also delivers additional workflow flexibility beyond the scope of live presentations, such as recalling presets for routing, audio parameters, and metadata.

"For example, it can give an operator the ability to monitor any independent language presentation in a multi-language broadcast with a single button press, without the need for additional controllers or screens." SSL and Jünger Audio have also been working in partnership with a major European broadcaster on a project to enable real-time switching of S-ADM Dolby Renderer presentations and speaker layouts directly from the operator position at the console. Although Jünger Audio's technology is already well-established for the creation of Dolby Atmos distribution streams for S-ADM production workflows, SSL says integration with its AIXpressor processing unit simplifies NGA authoring for operators - particularly in setups where a mixing console is already part of the production environment. "S-ADM adoption is gaining ground and broadcasters are all looking for ways to develop NGA content to deliver more value," says Carpenter. "As more broadcasters look to append their coverage with immersive and accessible content, System T can easily integrate with best-in-breed technologies to streamline otherwise complex NGA production workflows."

SSL will also showcase the wider System T range at IBC, including the S500m and S400 consoles, and demonstrate how integration with the company's Virtual Tempest Engine delivers cloud-native, software-based audio processing. Meanwhile, the company's new 'Plus' range of Desktop Tiles expands the control functionality of the System T platform and also make their IBC debut.

Solid State Logic looks forward to meeting its customers and partners at IBC 2025 and will be offering live demonstrations during each day of the show. To learn more, register for IBC, or book an appointment with an SSL broadcast expert, visit the website below.

www.solidstatelogic.com