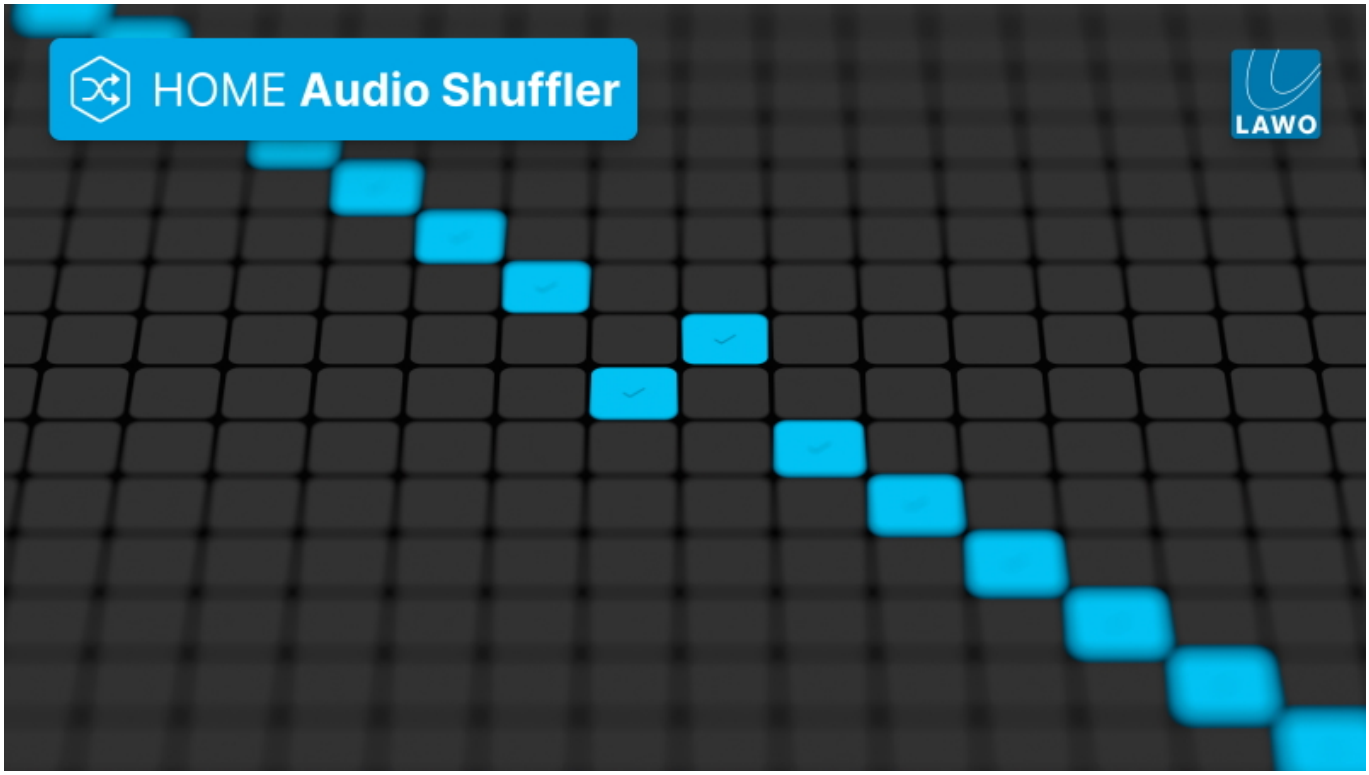
Lawo HOME Audio Shuffler



At IBC 2025, Lawo will introduce HOME Audio Shuffler - its fifteenth HOME App to date. The HOME Audio Shuffler app is a software-based replacement for a traditional baseband audio matrix within an IP-based Dynamic Media Facility. Available in six packages in different sizes, it allows users to repackage incoming audio signals for different applications, to freely compile streams based on audio signals from a variety of sources, and otherwise customize an audio stream’s payload. This is especially handy for downstream applications and devices without built-in audio matrix functionality.

Supporting SMPTE ST2110-30 (24 bits) and -31 (32 bits, RAVENNA AM824 payload format with bit transparency), HOME Audio Shuffler conforms to AES67 and ST2110-30 (Levels A, B and C) with minimal latency, while also providing redundancy options via ST2022-7 (Seamless Protection Switching) and the HOME App auto restart mechanism, for reliable 24/7 operation. Incoming audio streams can be reshuffled and routed to the desired transmitters using the HOME Terminal Routing Matrix. Stream routing, shuffling, and many other operations can be controlled via any hardware or software panel of a workflow control system such as Lawo VSM that communicates with HOME Audio Shuffler via the HOME API.

HOME Audio Shuffler is the perfect tool for any audio deployment at scale, such as in master control rooms, and any other application requiring a mix of common (e.g. clean feed) and individually contributed and controllable audio sources. Supporting up to 16,384 input and output signals and offering symmetrical flow sizes between

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64 and 2048 RX and TX streams, each accommodating up to 64 audio channels, HOME Audio Shuffler's matrix size can be conveniently selected from six packages. All signal inputs and outputs come with essential DSP functionality: Gain and Phase on the RX side, and Gain, Phase and Delay (up to 5 sec) on the TX side.

"HOME Audio Shuffler provides broadcast and AV professionals with an agile software at scale to ensure that each audio stream is received and transmitted with the expected channel order and fully synchronized without dedicated broadcast hardware" explains Johan Boqvist, Lawo's Product Evangelist, Audio Infrastructure. "While indispensable in Master Control Rooms, some users have already shown that the principles on which HOME Audio Shuffler relies leave ample room for creative applications."

HOME Audio Shuffler will be available within the next few weeks.

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