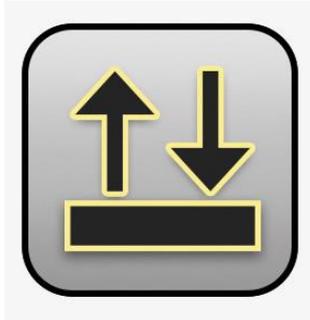


90-3291 LYNX GREENMACHINE APP - AUDIO EMBEDDING AND DEEMBEDDING For 1x video processing channel



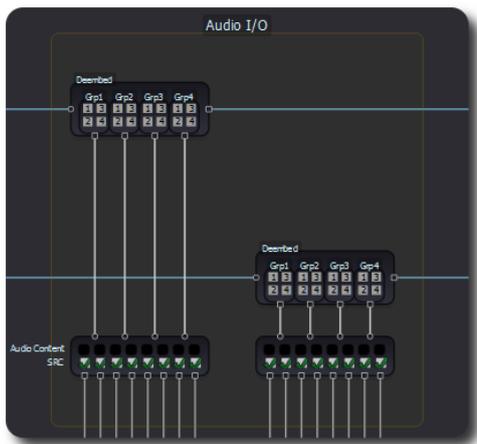
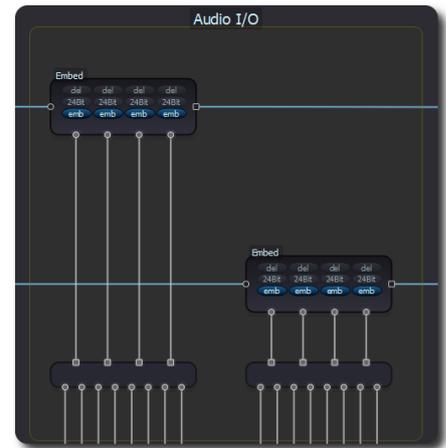
AUDIO EMBEDDING AND DE-EMBEDDING APP

The Embedder / De-embedder APP is a high quality multi-format audio embedder/de-embedder application. This APP is available per processing channel.

Embedding

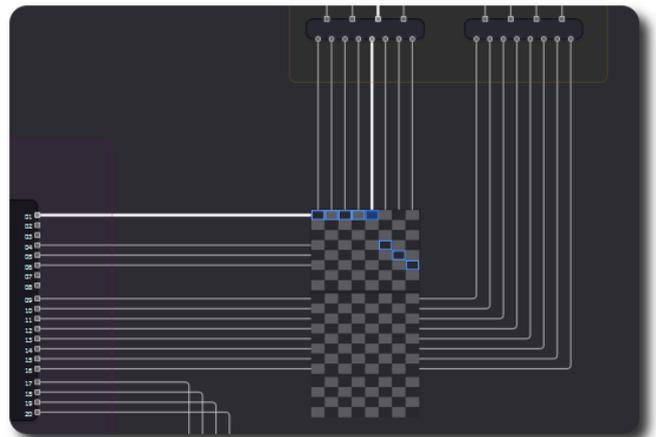
The APP can embed up to 16 mono audio channels into the SDI output. The APP can be fed by any channel from any processed video or external audio input. The embedder can also embed DolbyE signals which in conjunction with the Frame Synchronizer APP will always maintain the DolbyE Guardband.

Embedding audio into an HD-SDI and 3G-SDI stream is always done in 24bit resolution. When embedding into SD-SDI, 24bit embedding is activated by default, but can be de-activated reducing the embedding to 20bit resolution. This may be required to satisfy a non-standard compliant SDI de-embedder.



De-embedding

The APP is also a versatile multi-format audio de-embedder which can extract all 16 audio channels (8 x AES) from the incoming SDI signal. The AES signals are fed through Sample Rate Converters (SRCs) to synchronize the audio to the video reference. The de-embedded audio can be output to the external audio outputs or embedded into the outgoing video.



Audio Crossbar

Select the stereo channels for the embedders or the external audio channels with the intuitive chequered crossbar in the greenGUI software. The mono-controls are also accessed this way, to easily fix erroneous Left/Right channels from the input, for example.

This 'APP' is already installed in the greenMachine hardware unit and can be trialed on a test basis to check performance and system compatibility. An APP purchase provides an unlock code which is emailed to you by Canford's Customer Services team after purchase and verification of the serial number of the greenMachine on which it will be installed. The verification process takes place during normal business hours; overnight and weekend purchases will be processed the next working day. For very urgent requirements or out of working hours, APP licences can be purchased directly from the greenStore by logging in from greenGUI and making payment using a credit card or PayPal.