90-3282 LYNX GREENMACHINE APP - AUDIO AND VIDEO TIMING
Processes all active channels in 1x Greenmachine

AUDIO AND VIDEO TIMING APP

The global Timing APP is a powerful tool to delay the output of each video processing path and delay each individual audio output. The programmable video output delay can be set independently for each video stream between 0 and 30 frames. The adjustment is available in pixel, line and full frame increments as well as in Milliseconds.
This adjustment will delay the SDI video output relative to the connected reference by the delay setting specified.

NOTE: The Frame Synchronizer APP, the Scaler APP and the DeInterlace Extension offer fixed frame delays depending on the signal path and selected functions. The 0 to 30 frames adjustment is an additional delay relative to the resulting fixed processing delays.

Each individual audio output, whether it's the external audio ports or the internal paths for the embedders, can be delayed by up to 1.3 seconds. The available setting is in Milliseconds and can be used to correct mismatched relative audio timing (lip-sync), by delaying an early audio signal by the appropriate amount of milliseconds (i.e. when video is later than audio). The delay will be added to the internal audio delay.
A late audio situation, when video is earlier than audio, can be corrected by entering negative values for the audio delay. The negative values will be subtracted from the internal audio compensation delay.

Automatic tracking of the external audio signals to one of the video outputs can be activated.

When the Timing APP is deployed on a greenMachine, the user gets access to the Timing Tab, which provides an overview of the video and audio delays in relation to each other.

The delays are:
- Processing Delay
- Auto Compensation Delay
- User Delays
- Total Delay

In addition to providing a complete overview of the timing, the timing tab can be used to setup all timing related configurations.

This 'APP' is already installed in the greenMachine hardware unit and can be trialled 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.