

90-3292 LYNX GREENMACHINE APP - AUDIO PROCESSING
Processes all active audio channels in 1x Greenmachine



AUDIO PROCESSING APP

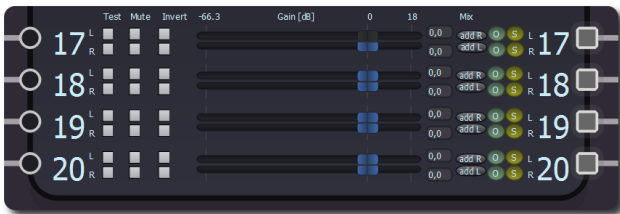
The global Audio Processing APP offers multiple functions. The gain of each mono audio channel can be adjusted, muted or inverted. Each mono audio channel has silence and overload monitoring as well as a 1 kHz test tone generator. Each stereo signal can be mixed-down to mono channels.

Settings & Features

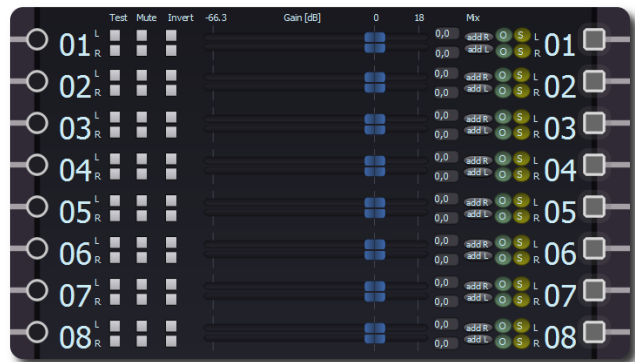
The following audio processing functions are available per mono channel.

- Gain Adjustment: The audio gain can be adjusted from -66.3dB to +18dB.
- Phase Inversion switch.
- Mute switch.
- Mono Downmix per output mono channel: Enables the addition of the other (sibling) mono channel as a simple (a+b)/2 downmix.
- Overload Detection: A yellow warning indication will be displayed if the signal content reaches the potential digital clipping (code values reach 0xFFFF).
- Silence Detection: A yellow warning indication will be displayed if the signal content is detected as silent (<60dB) for more than 10 seconds.
- Test Tone: 1 kHz Test Tone can be generated and applied to any mono channel. The AES input channel is then ignored and not delivered to the output.

NOTE: All AES processing is automatically disabled when the content type is NOT PCM audio. This guarantees that an encoded bitstream (such as DolbyE or AC-3) is not disturbed by the audio processing.

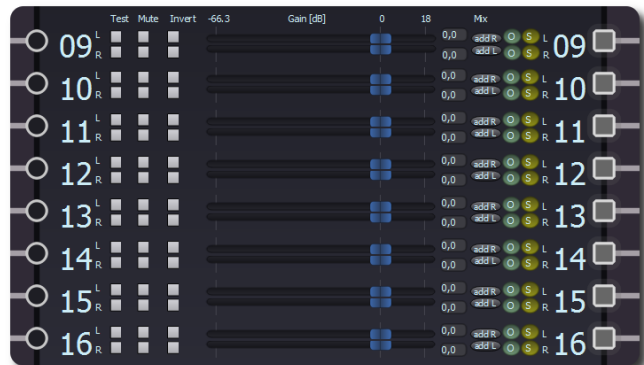


External Audio Ports Mono Channels



*Video Processing Channel 1 Audio Mono Channels
 (available together with Embed De-embed APP on
 the Video Processing Channel 1)*

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.



*Video Processing Channel 2 Audio Mono Channels
 (available together with Embed De-embed APP on
 the Video Processing Channel 2)*

