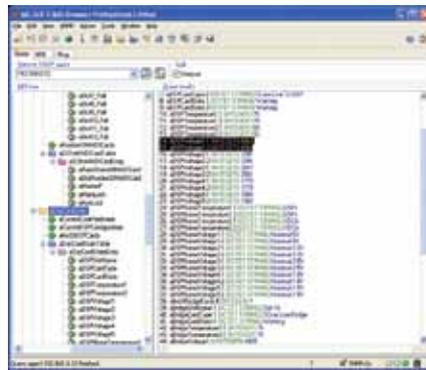# ROUTE 6000

Software V2.1

With the advent of new V2.1 software, Studer's Route 6000 audio distribution system has capabilities way beyond simple routing capability.

In addition to the STUDER RELINK I/O sharing system delivered in V2.0, the new release features a host of new signal processes which may be applied to any internal signal, including mixing, downmixing (suited to deriving mono and stereo mixes from surround HD mixes) and upmixing, high and low-pass filters and EQs, dynamics, including brickwall limiters, compressors, expanders and gates. The upmixing process uses proprietary Harman algorithms to develop panning in 5.1 upmixes in 'width' mode, or standard 5.1 panning.

All these new functions are incorporated with no loss or compromise of DSP power – all input and output connections are available no matter how signal processes are applied.
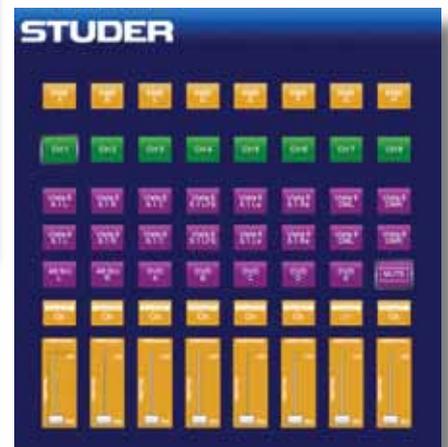
New surveillance processes, which are assignable to any internal signal, detect silence and overload detection, capable of triggering events to GPIO outputs to alert system engineers who can also reset alerts remotely using GPI.
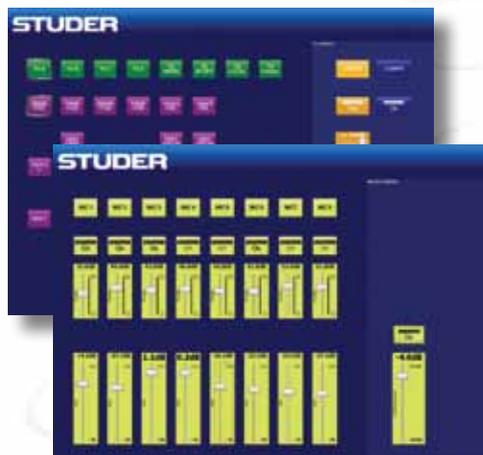

When used with the vsmStudio (Virtual Studio Manager) system, signal labels may be automatically exchanged between the two systems, where labels configured in the Route 6000 are forwarded to the VSM control interface.

Alternatively, the VSM is also able to set labels within the Route 6000 remotely.

Another benefit of internal processing using the delay processing block is that encoded Dolby® E streams may be delayed as well in order to sync to video footage.

In combination with Studer Vista and OnAir 2500 or 3000 consoles, the Route 6000 provides a very powerful flexible and perfectly integrated broadcast audio management system.

STUDER
by HARMAN

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