Photo: Ralph Larmann

**SSL**_Live_

Version 4.10 software update information

**Solid State Logic**

O X F O R D • E N G L A N D

# SSL*Live* software v4.10

Live V4.10 brings significant benefits to the entire range of **SSL***Live* consoles including: L100, L200, L300, L350, L550 (including L500 and L500 Plus) as well as SOLSA.

**SSL***Live* 4.10's packed feature release adds to the wide-ranging previous updates of **SSL***Live* 4.9 and beyond and highlights SSL's ongoing commitment to developing the live platform.

## Event Manager

For those of you familiar with our System T broadcast console, we have taken the core of the event manager and bridged this to the Live platform. Most engineers are used to MACROS that consist of programming a single input



action to a single output action; the Event Manager takes this to another level.

Events can consist of one or more sources that can change the event state, the event state is then applied to one or more destinations.

This means that a single trigger can activate multiple output actions, or multiple triggers can activate a single output action, making the workflow much more flexible for the engineer in operation.

Source options range from GPI and MIDI inputs, User Keys and various switch functions. Destination options are similar, ranging from GPO and MIDI outputs, console switch functions, tap tempo, next/previous scene fire and so on.

## V-Auxes and V-Stems

V-Auxes and V-Stems provide an efficient way of making mix adjustments from groups of paths using VCAs. Adjusting a V-Aux or V-Stem send from a VCA path Detail View will trim sends to that bus from all paths that are members of the VCA.

The Aux and Stem bus indicators in the Channel and Detail Views have been redesigned to show each source path's discrete level to each bus and also the level with the VCA offset applied.

## Path EQ spectrum analyser

A graphical FFT analyser overlay is now available on the channel and bus, EQ and Filters GUI. Allowing an engineer to quickly identify problem frequencies, from within the tools they would use to resolve them. The fixed-point-per-octave analyser has equal resolution across the entire frequency range, providing high resolution even at low frequencies.
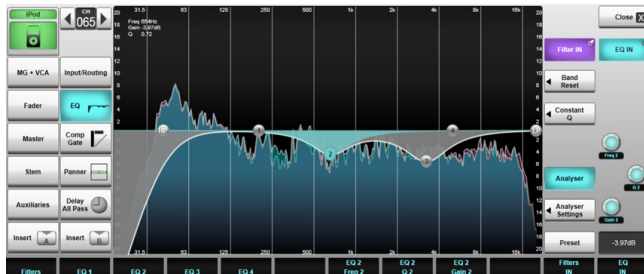
## Dynamic EQ update

The 1, 2 and 4-band Dynamic EQs in the FX Rack have undergone a significant redesign, adding further levels of control as requested by our engineers.

- 'Gain' is used to apply a 'static' (not signal-dependent) amount of EQ

- 'Range' determines the boost/cut that the dynamic (signal-dependent) portion of the effect will apply.

- Increased Q Range - The maximum Q (filter width) value has been increased from 1.5 to 10, meaning narrower filters can now be achieved.

- New Threshold Trigger Modes:

  1. Auto EQ triggered when sidechain signal is above the Threshold if Gain Range is negative, below Threshold if Gain Range is positive.

  2. Above Threshold: EQ triggered when sidechain signal is above the Threshold, regardless of Gain Range setting.

  3. Below Threshold: EQ triggered when sidechain signal is below the Threshold, regardless of Gain Range setting.

- New Graph Based GUI
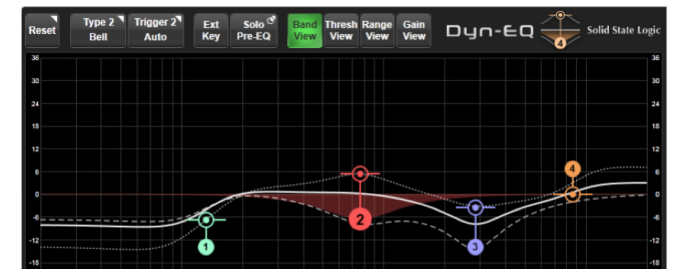
## DAW control and Ip-MIDI

**SSL***Live* software now supports DAW control via the HUI™ protocol and is primarily used for integrating with Pro Tools. Either 8, 16, 24 or 32 DAW controller channels can be configured for up to 4 separate DAWs.

DAW channels can then be integrated into the console's Layers and Banks alongside other path types, and comprehensive DAW control menu is available directly from the Channel View screen.

The addition of DAW control also brings the benefit of ipMIDI for timecode and MIDI-based automation Input/output actions and Events. This is particularly useful for L100 consoles which do not have local physical MIDI ports.
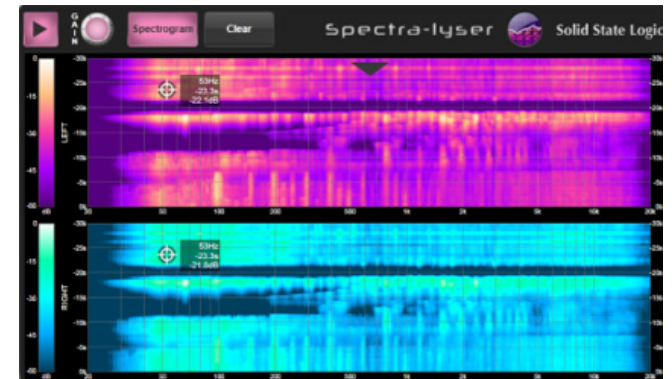


## Spectra-lyser Spectrogram and FFT Analyser

The new Spectra-lyser replaces the FPPO analyser FX rack module, adding even further detail for signal analysis.

The standard Spectra-lyser view presents a fixed-point-per-octave spectrum analyser, providing high resolution analysis even at low frequencies.



The Spectrogram view provides a graph of frequency content over time, displayed as a heat map.



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