



Music Production Tools

SSL console grade technology for studios of all sizes.

SSL Hybrid Studio Technology

Solid State Logic has been leading the way developing technology for creative audio professionals for nearly 40 years. The company philosophy has always been the same. Find ways to give engineers and producers tools to help them work their magic; to help them make music sound great and to work as quickly and creatively as possible. SSL has always been about 'making the product disappear', about not being a barrier to the creative process. We succeed because the way our products sound helps engineers get the results they are after quickly and easily and because we are obsessed with ergonomics and workflow.

Today SSL's Music Production Tools lead the way in delivering hybrid production systems that combine the very best of analogue & digital audio technology with hands on control over the DAW environment. Our products provide the superior sound of high grade analogue & digital hardware and harness the flexibility of the software world with the accelerated workflow of hardware control. Each engineer has their own very personal creative approach. Different types of music and different projects present different technical challenges and demand different workflow. SSL's products offer a range of options and approaches that let producers work the way they want to.

With nearly four decades and countless hit recordings behind us we are extremely proud of the fact that SSL technology is still at the heart of professional audio production... still finding new ways to do things... still setting standards for others to aspire to.



Duality δ elta

Large format hybrid production console

The New Studio Standard

Welcome to the world of Duality δ elta, the large-format analogue console designed for the modern studio environment. Installed in some of the world's most prestigious studios, Duality allows producers and engineers to harness the clear sonic advantages of SSL SuperAnalogue™ processing and the workflow benefits of advanced DAW control.

Duality δ elta is the current generation of SSL's large format console legacy. Like the historic SSL music consoles it replaces, Duality helps today's leading Musicians, Producers and Engineers in hundreds of studios worldwide deliver beautiful, inspiring, platinum selling productions. It is a proven success factor in every style of music, in film scoring, education and live to air broadcast. Duality is an elegant hybrid, it allows operators to harness the clear sonic advantages of SSL SuperAnalogue™ audio capture, processing and summing and an ergonomically superb operator environment.

- **The analogue console for the modern studio**
Comprehensive analogue console with integrated DAW control
- **NEW! δ elta control automates your console within your DAW like a plug-in**
Cue, FX, EQ, Cut, Insert switches and analogue faders can be automated
- **Beautiful, precise SSL SuperAnalogue™ mix bus**
Near linear phase, flat frequency response, 0.005% THD, exceptionally low noise floor, ultra-wide
- **Hugely versatile audio capture with transparent AND coloured mic pre's**
Transparent SuperAnalogue™ and controllable distortion VHD™ Mic Pre's
- **Classic complete SSL analogue console processing toolkit**
E & G Series EQs and Dynamics on every channel and legendary Master Bus Compressor
- **Innovative SPLIT channel signal path architecture**
Apply console processing anywhere within the DAW signal path
- **Unrivalled levels of visual feedback**
TFT screens provide metering, process order, routing and Eyeconix™ for every channel
- **Fully equipped for multichannel production**
Multiple Stereo buses and full 5.1 functionality
- **Ethernet connected multi-layer control of all major workstations**
Controls two DAWs simultaneously
- **24 to 92 fader frame sizes and in Duality Pro-Station format**
A range of frame sizes or the V shaped Pro-Station option available



Delta-Control (δ -Ctrl)

The unique new SSL console automation system unites the very best of automation in the analogue console domain with DAW based workflow.

AWS δ elta

Mid-scale hybrid production console

Designed for mid-scale commercial recording and production facilities, the AWS δ elta is available with 16 inputs (AWS 916), 24 inputs (AWS 924) or 48 inputs (AWS 948) within a compact 24 fader frame. The AWS 916 has 16 mic pre's, the 924 & 948 have 24. The 916 & 924 have mono channel strips, the 948 has stereo/dual mono strips that offer a second line level input per channel to provide 48 summing channels. All models deliver pristine SuperAnalogue™ summing, classic SSL dual curve EQ on every channel, two assignable SSL Dynamics channels, legendary Stereo Buss Compressor, TotalRecall™ and full 5.1 monitoring. AWS δ elta consoles feature Ethernet connectivity for streamlined hardware control over your entire DAW environment. All models feature SSL's new 'delta control' system that combines the very best of SSL console automation in the analogue domain with DAW based automation workflow. AWS δ elta delivers elegant, ergonomic physical control with dedicated heavy duty DAW transport, V-Pot multifunction encoders with position indicating LED's, Digital Scribble Strips, DAW fader mode, global and channel routing control and built-in TFT display for advanced plug-in editing. Project Session Management is kept simple through SSL's proprietary Logictivity interface.

- **Mid-scale analogue console for the modern studio**
Hybrid system with 'Delta control' and hardware DAW control
- **Beautiful, precise SSL SuperAnalogue™ mix bus**
Near linear phase, flat frequency response, 0.005% THD, exceptionally low noise floor, ultra-wide
- **24 SSL SuperAnalogue™ mic pre's**
16 or 24 SSL SuperAnalogue™ mic pre's
- **Classic SSL analogue console processing**
E & G Series EQs on every channel, assignable Dynamics and legendary Master Bus Compressor
- **Innovative SPLIT channel signal path architecture**
Apply console processing anywhere within the DAW signal path
- **Suitable for multichannel production**
5.1 Surround monitoring and Monitor calibration including Bass management
- **Ethernet connected multi-layer control of all major workstations**
Controls two DAWs simultaneously

- **Comprehensive analogue fader and switch automation**
Cue, FX, EQ, Cut, Insert switches and analogue faders can be automated

AWS 948 only:

48 inputs with three versatile operating modes;

IN-LINE TRACKING = 1 mic + 1 line input per channel

IN-LINE MIX = 2 x mono line inputs per channel

STEREO MIX = 1 x stereo line input per channel

- **NEW! Stereo Channel Outputs**
Post pan, stereo channel stem recording in a single pass
- **NEW! Independent insert IN/OUT switching on In-Line channels**
Simplifies installation and expands the versatility of the Monitor path
- **NEW! Enhanced Small Screen Signal Flow graphics**
Chan Setup page dynamically displays processing order and IN/OUT status on Stereo and In-Line channels



Matrix²

Analogue Summing Mixer, Analogue Router & DAW Controller

The ultimate hybrid studio centrepiece

Since its 2008 launch Matrix has redefined the workflow of serious project studios by combining analogue sonics with a DAW-centric workflow. The new Matrix² is a significant upgrade to the original. Matrix² retains the SuperAnalogue™ sonics in its 16-channel 40-input summing mixer and clever software-controlled insert routing system but adds significant new features that make working 'hybrid' even easier. SSL's A-FADA system has been added which enables the Matrix² analogue faders to be controlled using DAW automation data. Devices and Chains from the insert Matrix² can now be loaded from the console surface as well as the browser software. Surround monitoring is now included as standard. Fully equipped to partner your monitors, workstations and outboard gear, Matrix² lets you shape your project studio around the way you work.

Rik Simpson

"Matrix has changed the process in the studio by making things more fluid and quick. The band are fast workers and there isn't a great deal of time to set stuff up, so any time I can save through having something as easy to use as the Matrix is a great thing. Matrix has a clear transient signal path that isn't coloured much but is just punchy and full, with the added bonus of being able to do all your fader moves and rides and automation actually on a work surface as opposed to just using a mouse. It's a very well thought out desk"

Engineer, Coldplay



Key Features:

- 16 motorised fader, 40-input SuperAnalogue summing mixer
- Switchable Input/DAW monitoring paths across all 16 channels for tracking
- Dual stereo Mix buses with summing inserts and mix inject
- Advanced multi-layer DAW control
- Software controlled analogue insert routing system (up to 16 inserts)
- Stereo Cue send and 4 mono Aux sends per channel & 4 stereo returns
- Artist monitor output with independent EQ and monitor source selection
- Stereo digital I/O (SPDIF and AES/EBU) with SSL converter technology
- Programmable function keys for keyboard key strokes/macros
- A-FADA DAW-driven analogue automation system
- Fader linking for stereo stems
- Load devices and chains into inserts directly from the console surface
- Surround monitor section included for 2 complete stereo/surround systems
- Scene preset for insert matrix – save and copy your insert settings to other projects



Nucleus²

The centre of your professional audio environment

Advanced multi-DAW control, SSL mic pre's, studio monitoring and a Dante audio interface

Since its release in 2010, Nucleus has won TEC, Sound On Sound and MIPA awards, and we now reveal the next step – a Nucleus for the world of Audio Over IP. Nucleus² is designed to be the centre of a professional project studio with a perfect blend of advanced multi-DAW control, transparent SuperAnalogue™ monitoring (now with added with talkback), a pair of SSL console grade mic pres, a Dante audio interface and bundled SSL Duende Native plug-ins. There is no other product available which offers the professional producer/engineer this combination of features, with SSL's renowned elegant ergonomics.

Nucleus² is a compact, portable, desktop solution that creates a comfortable, efficient, hands on operating environment for DAW based Music and Film/TV Post production. It provides everything you need to record and monitor audio and to control your DAW(s) quickly and efficiently without resorting to your mouse. Nucleus streamlines your workflow and helps you focus on your sound, not your screen.

Dante is a professional audio networking technology that uses standard ethernet to connect Nucleus² either directly to your computer or to a studio network.



- Ethernet connected DAW Controller re-defines the professional project studio
- Compatible with ProTools, Logic, Cubase/Nuendo and all major DAW applications
- Switch between 3 connected DAW's with a single button press
- 100mm motorised faders, Digital Scribble Strips, assignable V-Pots and soft keys
- Completely user customisable DAW & Key Command mapping
- Large heavy duty transport buttons and high quality jog/shuttle wheel
- Benchmark SuperAnalogue™ quality output to 2 stereo sets of +4dBu monitor outputs
- High quality 2IN/2OUT Dante 'Audio Over IP' interface (44.1kHz – 96kHz, 24 Bit) that can connect directly to your computer via ethernet
- Two Combi XLR mic/line/instrument level inputs to audio interface and monitor outputs
- Digital S/PDIF I/O to the AD/DA of the audio interface
- Zero latency monitoring with wet/dry control to balance input and DAW playback
- SSL SuperAnalogue Mic Pre's, identical to those used on SSL Duality and AWS consoles
- Mic inputs have 80Hz High Pass Filters, Phase Reverse and Phantom Power
- Insert send/return connections switched between inputs and DAW playback for mixdown
- Additional 'external' SuperAnalogue input monitor path for another audio interface
- Two headphone outputs, ijack monitor input and Standard 1/4" Jack footswitch
- Talkback input path with switchable -20dB monitor DIM and adjustable gain. Can be switched to be recorded on input 2 of soundcard for remote comms over the network
- Three USB sockets for use as a 3 port USB hub



SSL SIGMA δ elta

Remote Controlled Analogue Mixer

For DAW users that seek the legendary sound of an SSL console while retaining the convenience of working in the box, Sigma δ elta is a unique rack mounting SuperAnalogue™ mixer with full tri-directional remote control and automation.

Sigma δ elta seamlessly brings the analogue joy of mixing on an SSL console into your DAW dominated workflow. Using unique SSL MDAC technology, Sigma takes the SuperAnalogue™ mix buss from SSL's Duality and AWS consoles and delivers it in a 2U rack design, with complete remote control of the analogue signal path. Control is tri-directional from either a hardware control surface and/or a simple Remote Control Application, and/or directly from your DAW using the innovative SSL δ elta-Control (δ -Ctrl) plug-in. Sigma's levels are driven from your DAW, the mix recalls instantly upon session load and every setting on Sigma (mix buss routing, monitoring section and settings) can be saved and recalled at the click of a button.

Sigma's versatile dual mix buss, individual direct output and insert architecture also provides a streamlined means of applying analogue signal processing within your DAW workflow and simplifies printing processed material back to your DAW. Sigma δ elta also features a dual output studio monitor and headphone switcher and talkback system which is completely remote controllable. Sigma is set up from a cross-platform Remote App that offers full standalone control of Sigma δ elta. Running on a Mac, PC, or IOS tablet the app also performs as a superb remote control for the monitor switcher/talkback.

Sigma can also be directly controlled from any Ethernet equipped control surface using MCU, so is a perfect partner for SSL's Nucleus DAW controller. MCU control can be used independently or in conjunction with the Remote app and δ -Ctrl. Sigma's MCU control requires no DAW software to be active, neither is there any requirement for the App to

be open or even for a PC to be running. MCU control simply requires a 16 fader MCU compliant surface to be connected via a Network cable to the same DHCP server or router that Sigma is connected to. The Nucleus/Sigma fusion becomes a fully integrated 32 into 4 automated line mixer, with full monitoring and talkback capabilities.

Key Features:

- Advanced DAW automation driven SSL SuperAnalogue mix engine
- Works with all major DAW's including Pro Tools, Logic, Cubase/Nuendo, Ableton Live
- 16 flexible channels individually switchable between stereo or mono for up to 32 channels at mixdown
- 2 stereo mix busses with individual stereo insert points
- Independent Main and Alternate Monitor outputs
- Direct outputs on all channels
- Talkback facility with adjustable Dim level
- Intuitive cross platform set-up and configuration software interface
- High speed External MIDI control via single Ethernet cable



XL-Desk

A modern twist on the classic analogue studio console

The smart dumb analogue console

XL-Desk is a modern twist on the classic analogue studio console. It's designed for tracking or mixing engineers who require an analogue console within a DAW centric studio, but don't want or need the integrated DAW control and analogue level automation other SSL console products have made the new hybrid studio standard.

XL-Desk is in many ways a traditional 24 into 8 analogue console but it packs in an incredible collection of features. It has 20 channel strips: 16 dual input mono (switchable between main input or DAW return) and 4 stereo channels. The first eight channels have VHD mic pre's. There is an 18 slot 500 format rack built in that can be used for processing or mic pre's. XL-Desk ships with a legendary SSL Stereo Bus Compressor module in slots 17 & 18 (hard wired to Mix A). The rack has its own dedicated high spec' power supply. There are four main Mix Buses (A, B, C, D) with buses B, C and D able to be summed into Mix A. The Buses and channels can access the 500 rack and each have a separate insert point for processing. There are two mono aux sends and two stereo return inputs. Direct outputs on every channel, stereo return and mix bus enable convenient stem printing. Each channel has a Cue Stereo Bus section (with Pan and Volume) used to provide one of the headphone mixes while tracking. At mixdown the mono channel DAW return signals can be routed to the CUE ST bus and then summed into Mix A, so there are 16 main faders + 16 Cue ST inputs + 4 Stereo channels providing 40 summing inputs (using the stereo returns and insert Sum functions you can squeeze in over 50 summing inputs). There is also a fully-featured monitoring section with bass management (3 sets of speakers + subwoofer), Foldback A and B with individual talkbacks for headphone mixes and a built in Listen Mic input + classic compressor circuit, with its own direct output.

Key Features:

- 20 + 1 fader, over 40 input SuperAnalogue™ SSL console
- 8-built in Variable Harmonic Drive (VHD) preamps
- 16 dual input mono channels (switchable between main input or DAW return)
- 4 stereo channels (switchable to mono for tracking)
- The legendary Stereo Bus Compressor, with new high-pass filter sidechain
- 18-slot 500 format rack built-in, accessible from channels or mix busses
- In addition to a 500 rack insert each mono channel also has a standard insert point 4 stereo Mix Buses with their own insert points and access to the 500 rack
- One stereo and 2 mono aux sends. Two dedicated stereo return inputs
- Direct outputs on every channel, stereo return and mix bus for stem printing
- Fully-featured monitoring section with bass management
- Foldback A and B with individual talkbacks for headphone mixes
- Built in Listen Mic input + classic compressor circuit, with its own direct output
- AFL and Solo-In-Place solo modes, with Solo Clear and Solo Safe (Protect) modes
- Balanced D-Sub rear panel inputs/outputs & Front panel headphones & iJack sockets
- High quality internal PSU



X-Desk

The centre of your scalable studio

Compact 16 channel mixer with fully featured master section

Meeting the demand for a world class, compact SSL mixing desk, X-Desk combines a 16 channel SSL SuperAnalogue™ summing mixer with a compact audio hub for your studio. X-Desk fulfills all the essentials of the audio mixing process, with typical SSL attention to detail and depth, including smooth 100mm faders, comprehensive artist & studio monitoring with Dim & Cut buttons, Stereo and Mono Aux sends, channel and Master Bus Inserts and accurate bar graph level metering. Up to eight X-Desks or X-Desk & X-Rack combinations can be cascaded via D-Sub connection to expand up to 160 inputs on mixdown.

- SuperAnalogue™ summing – analogue purity at the highest level
- 8x dual input Mono Line channels: 16 channel mixdown
- 8x Insert Send>Returns on channels
- SSL Stereo Mix Bus with External Input and Inserts
- Stereo CUE and 2 Mono Auxiliary Sends
- 2x Stereo Returns with Level, Pan and Bus assignment
- Talkback with Dim & Cut with adjustable Dim level
- Independent Main and Alternate stereo monitor outputs
- iJack front panel input for portable playback devices
- Cascade up to 8 X-Desk/X-Rack units for up to 160 ch systems
- Desktop or 19" Rack mount (ears included)



X-Rack

Modular console grade technology

Legendary SSL Mic Amp, EQ, Dynamics and Total Recall™ technology in a modular rack

Using identical circuit design and manufacturing to our Duality and AWS consoles, X-Rack is a modular rack system with Total Recall™ that delivers the classic SSL sound in a uniquely versatile form. Each X-Rack chassis holds up to eight modules in any configuration and there are nine different modules available.

X-Rack offers a stunning collection of SuperAnalogue™ recording and processing options for a wide variety of applications. There are two different flavours of mic pre; the ultra-transparent SuperAnalogue™ Mic Amp Module and the tonally versatile VHD Input module (which also features the SSL Listen Mic Compressor). There are mono and stereo versions of the same renowned channel EQ (with E & G response curves) and channel Dynamics as used in Duality and AWS. The distinctive tone of the classic E-Series console channel EQ and Dynamics is also available. Of course the legendary SSL Stereo Bus Compressor is also available in a two slot wide module. X-Rack delivers the very highest quality ‘big console’ analogue technology for studios of all sizes.

The X-Rack chassis is a 4U 19" rack housing with a premium grade power supply, MIDI IN/OUT connections and a Mix Bus Link port that enables two X-Racks to be cascaded. The chassis also houses the Total Recall™ system with on-board capacity to store 32 system snapshots (the snapshots can also be stored as MIDI SysEX).



X-Rack System Modules

Build your perfect SSL

Configure your own SSL SuperAnalogue™ system from the following modules:

Mic Amp Module

Angelically pure and versatile input section with a choice of three separate input amplifiers; Mic amp, front panel Instrument input or Line input. Designed for transparency and versatility with a set of High and Low Pass Filters, phase reverse and everything you need from a very classy workhorse.

Channel EQ Module

Classic four band parametric EQ that is switchable between SSL E and G series console EQ characteristics. It is a superb frequency adjustment tool kit; whether you need pinpoint accuracy, smoother broader sound shaping or a little more aggressive character the SSL EQ has you what you need. The high and low-bands switch between shelving or fixed Q bell curves and the two mid bands have variable Q.

Dynamics Module

Designed to be the perfect level control tool kit for recording, the Dynamics Module is densely packed with control features yet simple to use. The combination of separate Compressor and Gate/Expander section is powerful, graceful and ideal for gentle and unobtrusive level control.

Stereo EQ Module

The Stereo EQ Module is a stereo version of the X-Rack Channel EQ module. It is a classic four band parametric design with identical features and sound to the Channel EQ Module above. This stereo version also has a 'Selective Mode' switch which enables independent switching of high & low bands and mid bands between SSL's E & G series console EQ characteristics to provide an even more versatile EQ design.



Mic Amp Module



Channel EQ Module



VHD Input Module



E Series EQ Module



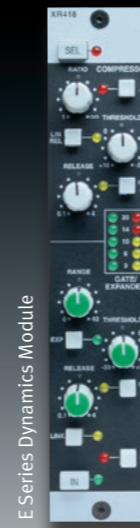
Dynamics Module



Stereo EQ Module



Stereo Dynamics Module



E Series Dynamics Module

Stereo Dynamics Module

The X-Rack Stereo Dynamics module is a Stereo version of the X-Rack Dynamics Module. Featuring independent Compressor/Limiter and Expander/Gate circuits, the Stereo Dynamics module provides the familiar SSL Superanalogue™ level control tools for Recording and Mixing applications. It delivers superb, transparent level control with sophisticated features and simple familiar controls.

VHD Input Module

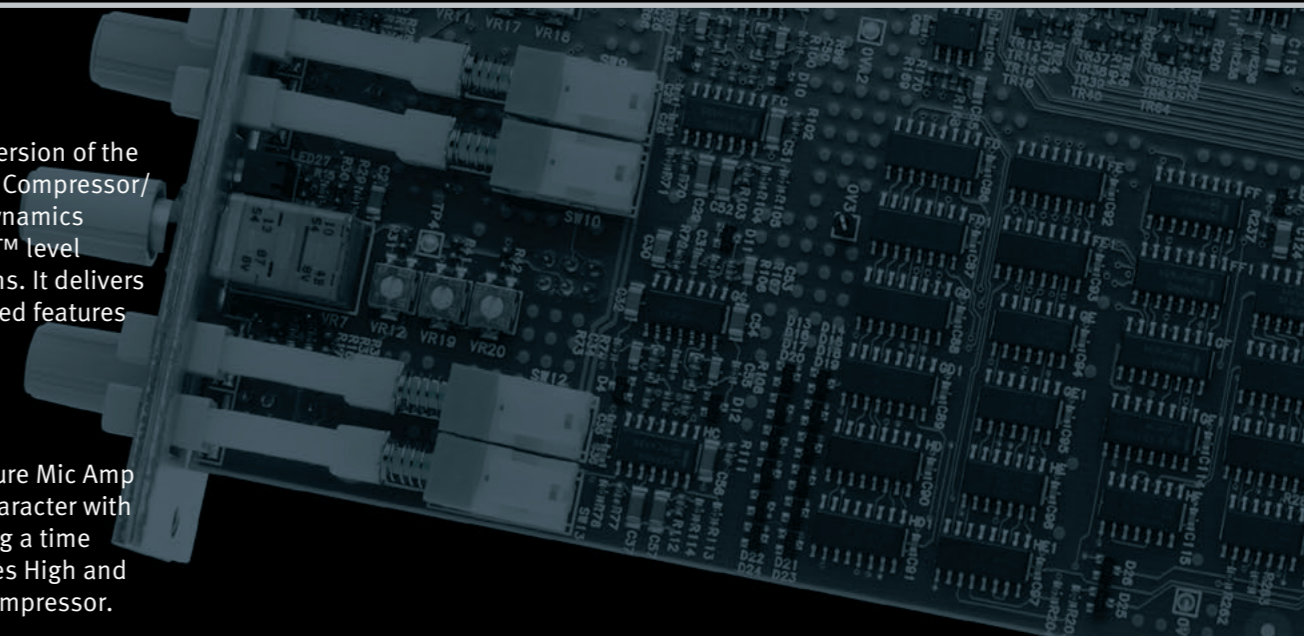
The devilishly warm and dirty alternative to the pure Mic Amp Module. A front end that combines classic SSL character with our new Variable Harmonic Drive circuit, delivering a time machine of overdrive characteristics. Also includes High and Low Pass Filters and the classic SSL Listen Mic Compressor.

E Series EQ Module

The E Series Modules reproduce the legendary sonic signature of an early 80's classic, the SSL 4000 E console channel strip. The E-Series EQ Module features two different EQ's, found on editions of the console produced between 1979 and 1987. Each EQ has unique response curves and tonal character.

E Series Dynamics Module

The E Series Dynamics Module features a Compressor/Limiter and an Expander/Gate, both of which adhere faithfully to the circuitry and key components which define the sound of the original SSL 611E Series channel strip. The result is a compressor with three distinct voices, each with its own musical character.



Stereo Bus Compressor Module

The centre section compressor from the 1980's G-Series analogue console is an audio production legend. It is a simple unit with a simple purpose; it makes complete mixes sound bigger, with more power, punch and drive. It brings cohesion and strength to your mix without compromising clarity. The Stereo Bus Compressor Module brings this classic 'audio glue' to you with spectacular SuperAnalogue audio performance.

SSL modules for API 500 format racks

The legendary sound of SSL analogue processing for this popular rack format

There are five modules available in the range:

Stereo Bus Compressor Module

The centre section compressor from the 1980's G-Series analogue console is an audio production legend. It is a simple unit with a simple purpose; it makes complete mixes sound bigger, with more power, punch and drive. It brings cohesion and strength to your mix without compromising clarity. The Stereo Bus Compressor Module brings this classic 'audio glue' to you with spectacular SuperAnalogue audio performance. The 500 format version also features an adjustable High Pass Filter for expanded flexibility.

E-Series EQ Module

The E-Series EQ Module reproduces the legendary sonic signature of an early 80's classic, the Solid State Logic SL 4000 E console channel strip, which has featured on countless classic recordings from the 1980's to the present. The E-Series EQ Module features two different EQ's found on editions of the console produced between 1981 and 1989. Each EQ has unique response curves and tonal character. Historically the type of EQ fitted in an individual console was distinguished by the colours used on the LF knob caps so the two flavours have become known as the 'Brown' and 'Black' EQ's. On the E Series EQ Module you can switch between these two different flavours of EQ that have been loved by generations of professional producers.

E Series Dynamics Module

The E Series Dynamics Module reproduces the legendary sonic signature of the SL 4000 E console channel strip. The E Series Dynamics Module features a compressor/limiter and an expander/gate, both of which return faithfully to the circuitry and key components which define the sound of the original SL 611E Series channel strip. A true RMS converter is used in the side chain while the gain element is an all discrete design identical to the Class A VCA chip used in the original unit. The compressor contains additional switching options to defeat the over-easy curve and to use a linear release instead of the more usual logarithmic curve. The result is a compressor with three distinct voices, each with its own musical character.



VHD Pre Module

The VHD Pre Module makes the uniquely versatile VHD based preamp technology from Duality available for studios of all sizes. The VHD Pre is an immensely versatile recording and processing device. It can deliver ultra-clean SSL SuperAnalogue™ grade recordings but also features a switchable VHD mode. SSL's patented Variable Harmonic Drive (VHD) system uses a 100% analogue signal path to generate rich harmonic distortion. As you increase VHD input gain, the Variable Harmonic Drive process introduces either 2nd or 3rd harmonic distortion or a blend of the two to your source material. At lower gain settings it adds gentle valve-style warmth or a touch of transistor edge. As the gain is increased the more extreme the distortion becomes until at high gain settings it delivers fierce trashy transistor grunge. The VHD Pre gives the user ultimate versatility from a studio grade preamp. Whether it's ultra-clean traditional SSL, subtle warming or totally trashy transistor distortion, VHD will change your expectations of what a preamplifier should deliver.

LMC+ Module

The LMC+ module brings a new and significantly enhanced version of the classic SSL Listen Mic Compressor to 500 format racks. This famous processor from the legendary SL4000E console was the secret weapon in many producers sonic arsenal of recording techniques. Originally designed to prevent overloading the return feed from a studio communications mic, its fixed attack and release curves were eminently suitable for use on ambient drums mics. This all-new version includes a pair of classic SSL HP and LP filters, a filters to compressor side chain option, wet/dry blend control, a 'Scoop' button that phase inverts the wet signal, as well as a unique 'Split' button that engages a bandpass subtraction mode for complete creative control.

Beta Module

Beta, a unique 500 format module Hardware Development Kit that offers a little SSL style, quality and some SSL specific components to 'build your own' audio electronics enthusiasts. Beta offers a very cool self-illuminating Perspex front panel that allows enthusiasts to devise and build creations that will look great in their racks. The panel is supplied with a collection of components that are identical to those used in SSL consoles and includes; five pots with SSL's signature knob caps, a selection of switches and dual colour status LED's. The components mount within the front panel in a fixed configuration and the panel and controls attach to a stylish blue solderable breadboard with a standard 500 format edge connector and is supplied with resettable fuses. In true hobbyist tradition none of the elements of the Beta HDK are pre-assembled – it is a kit of parts for users to assemble from scratch.



Alpha Analogue

Built from the stuff that studio dreams are made of

Affordable superior quality front end for your DAW

Our Alpha Analogue range was specifically engineered to bring SSL's pure analogue processing within the reach of every DAW user. SSL engineers analysed our unique analogue console circuitry to create new designs that retain the essential combination of classic SSL sonics and usability in an affordable rack-mount format.

VHD Technology

XLogic Alpha Analogue products feature our unique VHD technology, a 100% analogue circuit that adds a variable blend of 2nd or 3rd harmonic distortion to your signal. At relatively low input gain settings VHD preamps deliver ultra-clean recordings. Increase the input gain and adjust the VHD control and you can inject your source recordings with anything from 50's valve-style overdrive through to hard-edged 70's transistor-style grit - or any blend of the two.

Alpha VHD Pre

Alpha VHD Pre adds four SSL mic preamps to any line level DAW audio interface, transforming it into a high quality, multi-channel SSL analogue recording system.

- Ultra-clean SSL preamp with 75dB of gain
- 48V phantom power
- 20dB Pad switches with tri colour level indication
- Hi Z switch provides two different mic impedance settings
- Four independent Variable Harmonic Drive systems
- Front panel 1/4" jack instrument/line level inputs with passive DI type impedance detection and level matching
- Individual input, output and VHD controls for each section
- Rear panel XLR mic/line inputs and XLR outputs



Alpha Channel

Alpha Channel is a classic console-style channel strip, with analogue & digital outputs and all the features you need to record great vocal and instrument tracks.

- Professional ultra-clean mic preamp with Hi Z impedance switch
- 'Variable Harmonic Drive' circuit; a Time Machine of distortion characteristics
- Front Panel Combi XLR mic/line/instrument input
- 1/4" jack instrument auto sensing with passive DI type impedance detection and level matching
- High Pass Filter with selectable 40Hz, 80Hz or 120Hz cutoff
- DC Sidechain Link outputs (RCA)
- Built-in professional quality Analogue to Digital conversion
- 1/4" analogue out and S/PDIF I/O
- Auto sample rate sensing and self-adjustment
- Three band SSL parametric EQ with mid-frequency Q control and dual LF curves
- Intelligent auto limiting that maximises recording headroom and avoids DAC clipping



XLogic I/O Range

High Performance Digital Audio Interfaces & Converters

DAW system I/O with the quality and value you expect from SSL

Good quality I/O is an essential element of a great sounding studio and you can rely on SSL I/O to help you capture great recordings, to have confidence in the accuracy of your monitoring and to get the best from an analogue console or summing system. The XLogic I/O Range delivers excellent audio conversion and versatile high channel count digital audio interfaces. The SSL I/O range is the perfect partner for Pro Tools®, Logic, Cubase/Nuendo, Ableton, Sonar and all major Digital Audio Workstations on both Mac and Windows operating systems. No matter which DAW or computer platform you choose, SSL I/O offers outstanding performance and value. The XLogic I/O range consists of three different Alpha-Link A-D/D-A converters which can be used as stand-alone converters or combined with our MadiXtreme or Delta-Link MADI audio interfaces.



Music Production Tools.

Alpha-Link SX, AX and Live-R

64 channel MADI to 24 channel digital and 24 channel SSL A-D/D-A converters

DAW I/O with quality proven in the world's leading studios

The Alpha-Link AX, SX and Live-R are well established as reliable high quality audio converters in professional studios worldwide. All models feature 64 channel lossless Fibre Optic MADI to 24 channel digital and 24 channels of high quality SSL A-D/D-A conversion which can operate at up to 96kHz. They can be used with SSL's own MadiXtreme or Delta-Link computer interfaces, MADI equipped consoles and routers and multiple Alpha-Link units can be cascaded to create large scale systems. The Alpha-Link AX converts between analogue, MADI and 24 digital ADAT Lightpipe digital Inputs and Outputs simultaneously. The Alpha-Link SX and Live-R convert between analogue, MADI and 24 channels (12 stereo pairs) of AES/EBU digital Inputs & Outputs simultaneously. The Alpha-Link Live-R offers additional features including redundant PSU's, redundant MADI connections and is switchable between +18dBu or +22dBu nominal maximum analogue I/O level for 0dB FS. All units feature a front panel hardware switch based control interface with LED status indication, and dedicated tri-colour LED's provide signal activity indication.

Key features

- High quality SSL A-D/D-A converter technology
- Lossless 64 channel Fibre Optic MADI digital audio input and output
- 24 analogue inputs and outputs with SSL A-D/D-A at up to 96kHz
- Rear panel analogue connection via standard 24 pin D-Sub
- BNC Word Clock sync In/Out
- Perfect partner product for SSL MadiXtreme, MX4 and Delta-Link interfaces
- All input and output channels can be used simultaneously in any configuration
- Comprehensive input/output routing & mode selection matrix
- Analogue input/output activity indication via 24 tri-colour LEDs
- Alpha-Link AX = 24 ch Analogue ↔ 64 ch MADI ↔ 24 ch ADAT Lightpipe
- Alpha-Link SX = 24 ch Analogue ↔ 64 ch MADI ↔ 24 ch AES Digital
- Alpha-Link Live-R = 24 ch Analogue ↔ 64 ch MADI ↔ 24 ch AES Digital + extra features



MadiXtreme 64

64 channel digital audio interface using Fibre Optic MADI

High performance PCIe card interface for Mac or PC DAW systems. MadiXtreme 64 is multichannel PCIe audio card that delivers 64 channels of digital audio input and output via a convenient and lossless optical MADI connection. It is the perfect partner product for SSL's Alpha-Link audio converters.

Delta-Link MADI HD

64 channel MADI to Pro Tools HD® interface

The Delta-Link MADI HD is a MADI to Pro Tools HD® interface for Studio, Live and Broadcast Applications. Delta-Link enables interconnection of audio converters, digital consoles and routers to Pro Tools HD® systems via Fibre Optic MADI. Delta-Link MADI HD is compatible with Pro Tools HD® Core and Accel Cards or HD Native and HDX Cards (HD Native and HDX cards require a Digilink to Digilink Mini Adapter not supplied by SSL).

SSL Network I/O

Superior SSL technology and sound for Dante IP Audio Networks

Next generation audio routing and distribution technology for multi space facilities

SSL Network I/O is a range of I/O devices which bring SSL's renowned quality and innovation to Dante based IP Audio networks. IP Audio networking provides a hugely versatile solution for environments where audio assets are shared by multiple users across multiple recording areas and control rooms. Dante is a commercially developed IP Audio network protocol. It uses standard IT infrastructure (Ethernet cables, connections and network routers & switches) for audio transport, routing, device discovery and control. With more than 350 Dante enabled products by more than 150 different manufacturers already released, Dante is considered by many to already be the established industry choice for the use of IP networks for audio distribution. IP audio networking offers a fresh approach to audio routing and asset sharing for audio production with a wide range of benefits.

Key Features

- High Channel Counts: 512ch @ 48kHz (256 @ 96kHz) on a single 1GB connection
- Guaranteed Interoperability: plug & play discoverability of 500 devices from 220 different manufacturers - and growing
- Remote Device Control: parameters configured anywhere on the network
- Reduced Cost: standard low cost IT hardware, standard and/or existing Cat 5 or Cat 6 cabling with audio and control on the same network down a single cable
- Simplified Interconnectivity: Ethernet/IP connectivity simplifies interfacing with a wide range of devices including
- Intercoms and Station Automation
- Flexible Scalability: systems can grow as your needs evolve. Want a bigger network? Add another switch!
- Full Network Redundancy: technology tried and tested across many industries and fully compatible with all network redundancy models
- Distributed Routing Control: routing control from unlimited devices or terminals
- Absolute Resilience: catastrophic failure of a single device will have no effect on any other devices in the network
- Standards compliant: IEEE and IETF compliant thus deployable on and can mix with trac on any standard IP infrastructure.
- SSL Network I/O is AES67 compliant.

MADI-Bridge

A very high specification interface between optical MADI and Dante networks. Offering up to 96 channels at 48kHz from a single MADI connection, bidirectional sample rate conversion from 44.1kHz to 192kHz and fully redundant connectivity and operation. MADI-Bridge also features a Virtual Headphone Patch for location Monitoring and Signal Present Metering.

Stageboxes

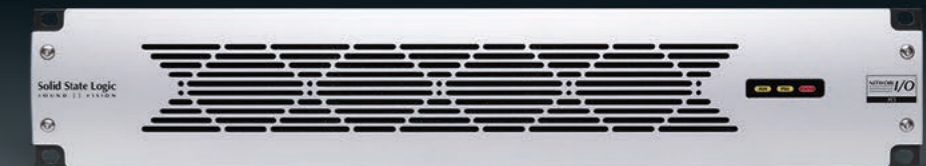
SSL's renowned SuperAnalogue™ sound for Dante networks. Signal present LEDs, phantom power and local attention LEDs provide front panel feedback. The Stageboxes feature SSL's unique AutoPad system that automatically applies a Pad if the gain is set at a low value that would require a pad to achieve. There are two different models; The **SB 8.8** offers eight mic/line inputs and eight line level outputs. The **SB i16** offers sixteen mic/line inputs. Both models feature redundant Dante network connections, network extension connections, GPIO and redundant PSU's. The SSL Stagebox Remote Control Application provides comprehensive remote control over all aspects of the Stageboxes across the network.

AES-Bridge

Provides 32 Pairs of AES3 audio I/O with internal channel by channel routing to a Dante network. Sample Rate Converters allow seamless integration of unlocked AES3 sources. Features fully redundant PSUs, Dante and MADI connections.

SDI-Bridge

Tri-directional bridging between Embedded SDI Audio, a Dante network and MADI. It has eight SDI circuits, each capable of Embedding and De-Embedding, and the unit has dual Dante and triple MADI connectivity (2 x optical, 1 x coax I/O). There is flexible internal channel-by-channel routing between all three domains.



The Duende Native Collection

SSL Console Grade Processing For Your DAW

The Duende Native plug-in suite is a collection of audio processing tools which bring professional audio quality, sophistication and benchmark performance within reach of all DAW users. Duende plug-ins provide the superior precision, advanced feature set and legendary tonal characteristics of SSL console products in affordable VST/AU/RTAS/AAX plug-in form.

Duende Native plug-ins are available from the SSL web store:
www.solidstatellogic.com/store



There are 10 plug-ins in the Duende Native collection:

- The EQ & Dynamics Channel plug-in provides an EQ & Dynamics processing solution with all the power, precision, flexibility and signature tone of an SSL console channel strip.
- The legendary Stereo Bus Compressor plug-in gives you the classic SSL stereo master bus compressor that brings power and punch to your mix without compromising clarity.
- Drumstrip and Vocalstrip are 'task specific' plug-ins which each gather together a set of carefully selected and lovingly crafted processing tools to get you straight to outstanding Drum and Vocal sounds quickly and easily.
- X-EQ and X-Comp are both mastering grade processors that deliver superb balance of precision and tonal character.
- X-Verb is an incredibly powerful and flexible processor which brings beautiful hardware standard reverb to your DAW.
- X-Valvecomp and X-Saturator are both new plug-ins designed to inject some analogue style saturation into your digital DAW.
- X-Phase also a new release is designed to help you fix awkward phase issues with our high-precision frequency-specific phase control toolkit.

EQ & Dynamics Channel

The Classic SSL Console Channel Strip

Precision parametric EQ, Dynamics and Filters with the unique SSL sound

The EQ & Dynamics Channel delivers the classic tone and features of an SSL console channel strip. The EQ is a classic 4-band design with parametric LMF & HMF sections and shelving LF & HF sections (LF & HF switch to Bell). The whole EQ can be switched between E & G Series characteristics and can be applied to the dynamics side chain. The Dynamics section offers separate Compressor and Gate/Expanders. The Compressor can be switched between soft and hard knee. Both the Compressor and Gate/Expander sections feature fast/slow attack switches and independent side chains. The plug-in also features High and Low Pass Filters which can also be applied to the side chain.



Stereo Bus Compressor

Classic Analogue, now Digital

The sound of the legendary SSL Stereo Bus Compressor

The centre section compressor from SSL's 1980's G Series analogue console is an audio production legend. It is the secret behind countless classic recordings. It is a simple unit with a simple purpose; it makes complete mixes sound bigger, with more power, punch and drive. It brings cohesion and strength to your mix without compromising clarity. "Sticks your mix like audio glue." - That's how we often hear the SSL Stereo Bus Compressor described, along with - "You strap it across your mix - and it sounds like a record." The SSL Bus Compressor plug-in is the nearest you will get to the real thing inside your DAW.



X-Verb

SSL class studio reverb 'in the box'

Hardware standard reverb with superb depth and detail

X-Verb delivers the density, warmth, depth and stunning detail usually only found in hardware. It delivers full, rich, dynamic, reverb and may well provide all the different reverb options you will ever need. Unlike most plug-ins, X-Verb is not a Convolution Reverb, it is a true Reverberation Generator based on unique SSL HiD algorithms, designed to recreate the dynamic subtleties of movement and depth that real, living spaces create. The sheer sonic might of X-Verb is wrapped in a stunning GUI that provides comprehensive, yet intuitive control with 'quick controls' and full set of parameter controls. A powerful 'Morph' feature allows automatable crossfading between different reverb 'environments'.



X-Phase

Frequency specific phase control

Intuitive tool for correcting awkward phase issues

X-Phase is a high quality All-pass Filter. Unlike an EQ which changes the amplitude (gain) of selected frequencies, X-Phase keeps all frequencies of a signal at equal amplitude but changes phase across the whole signal. A phase offset is applied around a selected frequency with a Q control adjusting the slope so that the amount of offset is greater around the selected frequency. This is useful for fixing phase problems with microphones when recording: eg overheads causing phase problems when mixed with close mic's... or carving out more perceived space for instruments in a mix. A separate Delay section is provided for broader signal time alignment.



X-EQ

The essential EQ toolkit

Cut, boost and craft stunning results

X-EQ is an open and transparent sounding parametric EQ that provides the user with a truly comprehensive range of EQ tools within an intuitive user interface. X-EQ is exceptionally flexible with the ability to be surgically precise for mastering duties or to smooth and sculpt for everyday audio production and is particularly suited to real time manipulation for dramatic filter sweep effects. X-EQ is at first glance a 10 band parametric EQ, but each of the 10 EQ bands can be selected to provide a different type of EQ, making X-EQ a vast range of different EQ processors in one package.



X-Comp

The new face of dynamics processing

Mastering-grade compression

X-Comp is a sophisticated and extremely versatile stereo compressor that cuts through the mass of freeware and bundled plug-ins available with genuinely professional features, results and interface. The audio performance, specifications, analysis tools and depth of control offered by X-Comp are exemplary. It delivers mastering grade audio fidelity with a distinctly analogue feel and can be used for everything from 'invisible' subtle dynamic control for mastering, to dramatic 'brick wall' effects. Between these two extremes X-Comp can reproduce the characteristics of a wide range of modern and classic vintage compressors.



X-ValveComp

Saturating valve style compression the SSL way
The fully featured channel compressor with added grit

X-ValveComp is a fully-featured mono or stereo channel compressor with an added 'valve' emulation stage. The valve emulation sits after the compressor in the signal path and adds a variable degree of primarily 2nd order harmonic saturation and distortion that thickens and colours the sound. The compressor can be switched between Peak or RMS modes and has a full set of standard controls. There are Input and Output Meters with separate kick down compression indication and Input and Output Level controls. There's a Gain Make Up control and switched Auto Gain Make Up mode. A dedicated wet/dry mix control and a Side Chain input with High- and Low-pass filters on the compressor's internal side-chain.



X-Saturator

Versatile analogue distortion circuit emulation
Analogue style edge for your digital recordings

X-Saturator delivers a stunning range of analogue style distortion effects. It is an emulation of an analogue circuit that introduces either 2nd order (valve style) or 3rd order (transistor style) distortion or a blend of the two. At low drive settings the distortion is mild and can add gentle warming to help instruments sit nicely in a mix or to add a little extra edge to help instruments cut through a mix. As drive levels increase so too does the level of distortion until at high drive levels heavy distortion occurs. X-Saturator is extremely simple to use with controls for Harmonics, Drive, Depth, Shape and Headroom. A wet/dry mix control facilitates parallel processing.



Vocalstrip

Vocal processing made simple
The fast track to a professional vocal performance

Vocalstrip draws upon decades of SSL professional engineering expertise to combine the right four processing elements to create the simple route to professional vocal recordings. Vocalstrip provides a three band EQ and a Compressor/Expander (with a vocal frequency specific 'drive' feature) which are pre-tuned for vocal processing and high quality De-Esser and De-Ploser sections. It helps users bring power, character and clarity to vocal tracks with a single intuitive interface. Vocalstrip solves the challenges of producing great vocal recordings with four processing tools carefully selected and calibrated to deliver great results every time.



Drumstrip

Every tool for processing drums in one box
The simple path to better drum tracks

Drumstrip takes drum sounds from ordinary and average to vibrant and exhilarating in a few quick, easy steps. The secret to making an average drum recording sound incredible can be elusive. It takes the right combination of processors, with the perfect sonic character, in the correct configuration and tweaked in the right way. Drumstrip handles the hard part; putting the right selection of processing tools in your hands. With Drumstrip, DAW users can attain increased presence, clarity and detail in their drum tracks; reduce spill in individual tracks; restore natural brightness; achieve greater perceived loudness; shorten or lengthen the attack and sustain of percussive signals; tighten up booming toms; make kicks and snares stand out in a mix; and parallel compress room mics.





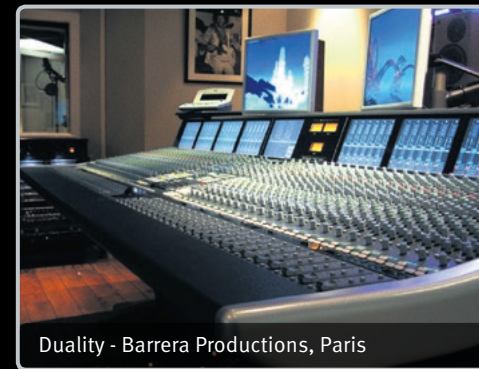
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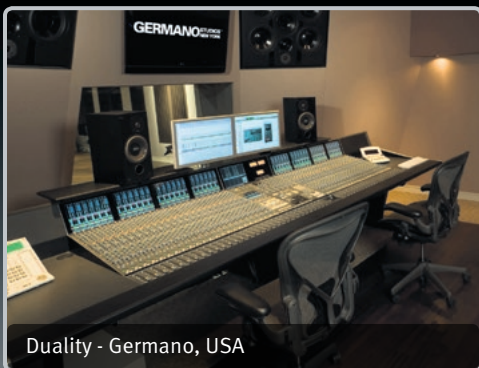
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AWS - Backstage, UK



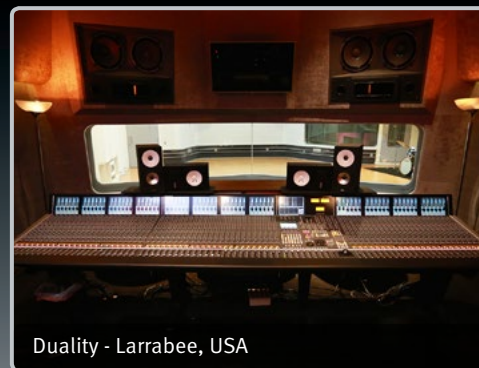
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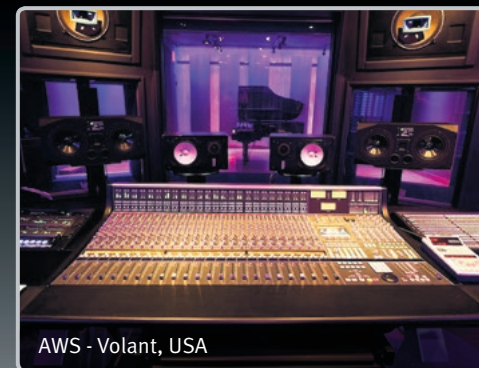
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Matrix - The Limehouse, UK



Duality - Larrabee, USA



AWS - Volant, USA

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