SSL Studio Tools

Console grade technology for studios of all sizes.

Solid State Logic

O X F O R D • E N G L A N D

Duality δelta

Large format hybrid production console

Welcome to the world of Duality *δelta,* the large-format analogue console designed for the modern hybrid studio. Installed in some of the world's most prestigious studios, Duality enables producers and engineers to deliver the very finest results quickly and efficiently. The clear sonic advantages of SSL SuperAnalogue™ mic pre's, summing and processing help users get straight to the sound they want. The workflow benefits of hands on hardware control over both the analogue domain and the DAW domain mean users work in a streamlined, creative way.

Duality *δelta* is the current generation of SSL's large format console legacy. Like the historic SSL studio consoles it replaces, Duality helps today's leading Musicians, Producers and Engineers 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.

Key Features:

- The analogue console for the modern studio
  Comprehensive large format analogue console with Total Recall™ and integrated DAW control

- *δelta-control* automates your console using plug-ins within your DAW
  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

- Unrivaled 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

- Simple Project Session Management
  SSL's proprietary Logictivity session management application

δelta-Control (δ-Ctrl)

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

AWS δelta

Mid-scale hybrid production console

Designed for mid-scale commercial recording and production facilities, the AWS δelta is available with 16 inputs (AWS 916), 24 inputs (AWS 924) or 48 inputs (AWS 948) within a 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 δelta consoles feature Ethernet connectivity for streamlined hardware control over your entire DAW environment. All models feature SSL's 'δelta-control' system that combines the very best of SSL console automation in the analogue domain with DAW based automation workflow. AWS δelta delivers intuitive 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.

AWS δelta Control plug-ins

Key Features:

- Mid-scale analogue console for the modern studio
  Hybrid system with 'δelta-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

- 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

- Suitable for multichannel production
  5.1 Surround monitoring with calibration and 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 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

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

Matrix² δelta

Analogue Summing Mixer, Analogue Router & DAW Controller

The ultimate hybrid studio centerpiece

Since its launch Matrix has redefined the workflow of serious project studios by combining analogue sonics with a DAW-centric workflow. Now, Matrix² δelta provides a significant update to the original. Matrix² retains the SuperAnalogue™ sonics in its 16-channel, 40-input summing mixer and clever software-controlled analogue insert routing system and surround capable monitoring but adds significant new features that make working 'hybrid' even easier. Devices and

Chains from the Insert Matrix can be loaded directly from the console as well as the browser software. δelta-control, SSL's unique analogue automation system, allows the console faders, Cuts, Cue and FX sends to be automated, edited and stored using standard automation features within the DAW session via δelta-control plug-ins. Fully equipped to partner your monitors, workstations and outboard gear, Matrix² δelta lets you shape your project studio around the way you work.

Key Features:

- δelta-control automates your console using plug-ins within your DAW. Cue, FX, Cut and analogue faders can be automated
- 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, 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 grade converter
- Programmable function keys for keyboard key strokes/macros
- 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

Rik Simpson

Engineer, Coldplay

"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"
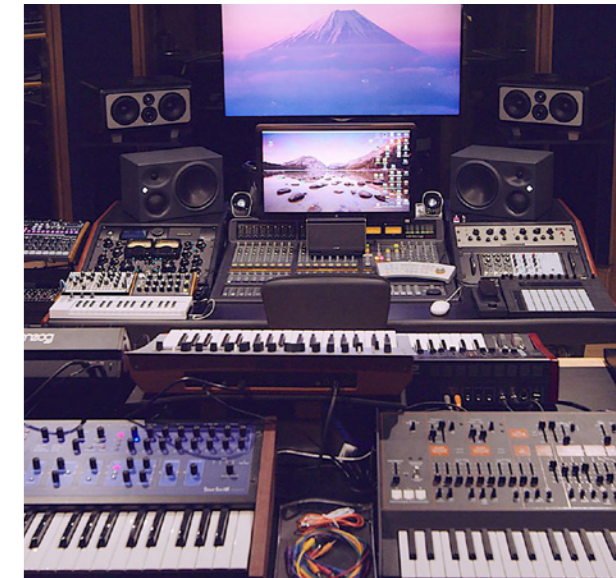
Nucleus²

The centre of your professional audio environment

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

Nucleus² is designed to be the centre of a professional project studio with a perfect blend of advanced multi-DAW control, transparent SuperAnalogue™ monitoring (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.

Nucleus2 is available in 'Dark' or 'Light'.

Key Features:

- 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 to2 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 𝛿elta

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 𝛿elta is a unique rack mounting SuperAnalogue™ mixer with full remote control and automation.

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, with complete remote control of the analogue signal path. Sigma can be controlled directly from a hardware control surface and/or a simple Remote Control Application, and/or directly from your DAW using the innovative SSL 𝛿elta-Control (𝛿-Ctrl) plug-in system. 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 𝛿elta 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 𝛿elta. Running on a Mac, PC, or IOS tablet the app also performs as a superb remote control for the monitor switcher/talkback.

Sigma 𝛿elta offers integration into multiple studio workflows and setups. Sigma 𝛿elta plug-ins provide streamlined implementation with Eucon enabled control surfaces such as Avid® S3, S6 and Artist series or the Pro Tools Control app. Sigma Delta's plug-in parameters map across Eucon control surfaces via the Insert editor, so users can easily move between controlling their summed Sigma mix and their DAW session.

The Sigma 𝛿elta mix engine can also be controlled directly from an SSL Nucleus without a DAW running to deliver a fully integrated 32 into 4 automated line mixer, with full monitoring and talkback capabilities. Sigma can also be used in combination with Duality, AWS and Matrix to add additional automated mixing capacity. Inserting Sigma across the insert points of an XL desk, instantly adds automation to the console.

Key Features:

- Elegant 𝛿elta-Control DAW automation driven SSL SuperAnalogue™ mix engine
- Works with all major DAW's including Pro Tools, Logic, Cubase/Nuendo, Digital Performer & 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
- Eucon and MCU enabled 𝛿elta-Control plug-ins

"The Sigma has enabled me to get more out of all my other gear. One way to describe it is 'faster'. It preserves the transients better... it's lighter on its feet. That works for any genre of music, but particularly with the high-tempo Rudimental tracks I'm working on at the moment. I don't think you could succeed on anything else but SSL - just because of the sharpness"

James Lewis. Producer.

"Duality brings more out in me... It's a lot of fun mixing on it. You can mold things more, and believe it or not, it has sped things up. You might think it would have slowed things down, but the recalls are fast and everything is to-hand."

Wez Clarke. Mix Engineer.

XL-Desk

A modern twist on the classic analogue studio console
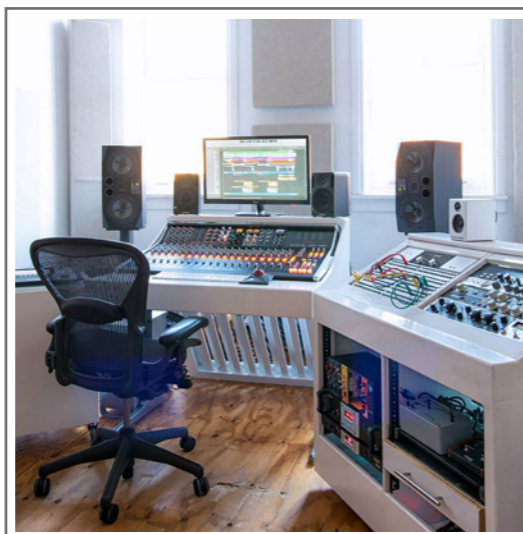
The smart dumb analogue console

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 additional 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.

"I love how quickly you can get things done on the console. You're able to audition different colours so quickly, and it's just a more intuitive and tactile way to work. You do feel this bigness. There's a high-fidelity about the console - it's this quiet, beautiful, clean thing. I got used to the dead-quiet noise floor of working in-the-box. That hasn't changed while working on the XL-Desk. Instead, I hear all of the new sonic colour."

Abe Seiferth - Transmitter Park

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

SiX

The Ultimate Desktop Mixer
Legendary SSL studio tools redefined and streamlined

To the casual observer SiX looks like any other compact desktop mixer. Look a little closer and like all SSL consoles, SiX reveals a deeply considered feature set that is driven by an obsessive desire for total flexibility, to encompass every creative eventuality. It may be small but SiX is a classic SSL design. It carries the DNA of 40 years of true expertise in creative studio workflow. Listen to SiX and you will experience the impeccable sonic performance that is the hallmark of every SSL console. It is powerful and intuitive. Inspired and rewarding.

Two Mono Money Channels: SiX gives you a pair of recording channels that deliver outstanding results quickly and easily. They include transparent SuperAnalogue™ Mic' Pre's with a wide 66dB of gain range, phantom power, 75Hz high pass filter and separate line-level input which can be switched to instrument level. Each has a brand-new one knob compressor circuit based on and with the same sound as the classic SSL Channel Compressor. It has program-dependent attack time, fixed release time, fixed ratio and automatic gain make up. There is a new two-band SSL EQ that may be switched between shelf and bell curves, with different centre frequencies for each type. Each channel has a balanced insert point for integrating other processors, and like all SSLs the insert send is always active – so it can be used as a record send to your DAW. SiX has 100mm faders with carefully set fader tapers that give the most control over the most useable gain range for both studio and live production control.

Twelve Line Inputs at Mixdown: SiX has two stereo line input channels with -10/+20 dB trim, balance controls and 100mm faders. If only the Left input of a stereo channel is connected the channel will automatically switch to mono, panned centre. Using the two mono input and the two stereo input channels gives SiX its name, but it also has two stereo EXTernal inputs (with level controls) which can be sent to the mix bus. Include the ALT inputs and we have up to 12 channels that can be summed into the main mix bus.

The Mighty Bus Compressor: SiX has a G Series Bus Compressor on the main outputs. This uses the classic console circuit design but with a fixed ratio, attack, and release settings and a more modern quad-VCA chip. The simplified controls make it very easy to get that SSL glue and snap on whatever you push through your master bus.

Professional Routing & Monitoring: SiX has two foldback buses for artist mixes. The Master Section has main and alternate monitor outputs with a proper monitor source matrix, as well as mono check, dim and cut. We also have a talkback mic' input with phantom power and SSL's classic, crunchy Listen Mic Compressor.

Key Features:

A fully professional condensed console for use in the studio, in post-production, on stage, and for podcasting.

- **Benchmark SuperAnalogue™ audio performance**
  Ultra low noise : ultra-low distortion : pristine sound
- **Stunning Record Path**
  Two SSL console grade SuperAnalogue mic pre's
- **Classic SSL Channel Processing**
  Essential versions of SSL Channel EQ and Dynamics
- **The unique Listen Mic Compresso**r
  Nothing slams drums quite like it!
- **Professional Routing & Monitoring**
  The hidden versatility of truly professional features
- **12 Input Summing @ Mixdown**
  12 line level inputs with channel and Master Bus inserts
- **Legendary Master Bus Compressor**
  An essential version of the incredible SSL legacy
- **Completely balanced signal path**
  Everything except the headphone jack is fully balanced

X-Rack System Modules *Explore Online*

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.

VHD Input 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.

Mic Amp Module

VHD Input Module

Dynamics Module

Channel EQ Module

E Series EQ Module

E Series Dynamics Module

Stereo EQ Module

Stereo Dynamics Module

SSL Modules for API 500 Format Racks *Explore Online*

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

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.

X-Desk

Classic SSL summing system

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 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.

Key Features:

- 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)

Alpha Analogue

Built from the stuff that studio dreams are made of

Affordable superior quality front end for your DAW

Alpha VHD Pre

The Alpha VHD-Pre offers four of SSL's widely acclaimed VHD Pre circuits in compact 1U format. First featured on our flagship Duality console and now the go to circuit for leading engineers worldwide, the VHD Pre is a patented SSL preamp design that can deliver ultra-clean SSL grade recordings but also features a patented 'Variable Harmonic Drive' circuit which can be switched into the signal path.

Each Pre has XLR in/out on the back, an instrument level 1/4" jack on the front panel. Each circuit has a Hi Z switch to accommodate mic, line and instrument level signals, a PAD switch to facilitate use as a line level processing device and 48v phantom power switch. There are three rotary controls: Input Level, VHD and Output Level.
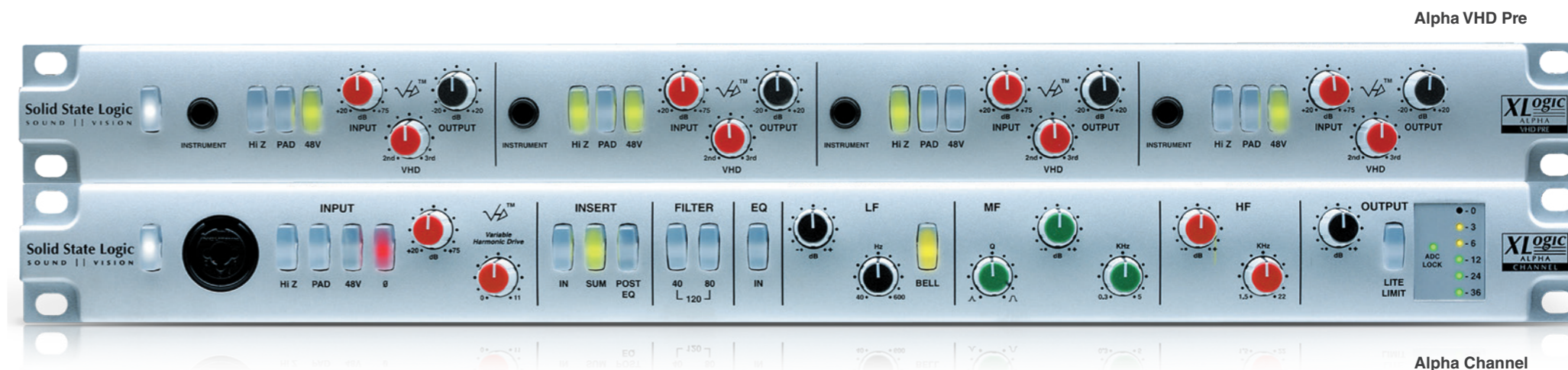
Explore Online

Alpha Channel

With the classic combination of mic preamp, filter, EQ, dynamics, and A/D conversion, the Alpha Channel draws upon SSL's sonic legacy to provide an affordable analogue channel strip designed to provide the perfect front end to your DAW.

The Alpha Channel packs in a sophisticated and versatile collection of features; a high-quality mic/instrument/line input, phantom power and phase invert. A VHD circuit for added analogue tone, an Insert that can act as a summed second input, a three band SSL channel EQ design with selectable Bell curve for the LF, a High Pass Filter with 40/80/120Hz cutoff frequency selection, a switched lite limiter to prevent digital clipping, a high quality Analogue to Digital audio converter, and an S/PDIF digital output.

Explore Online

Alpha VHD Pre

Alpha Channel

Fusion

New colours from the masters of analogue

Fusion is an all-analogue 2U outboard processor created for the modern hybrid studio. Fusion introduces five completely new analogue colouration tools designed to bring the perfect combination of added tonal character, weight and space to your mix bus or stereo stems, with the detail, warmth and finesse that only real analogue circuits can provide.

The SSL sonic legacy is built upon a much-emulated collection of analogue audio processing tools that have featured in generations of studio consoles; pristine mic pre's, classic Channel EQ & Dynamics, the legendary Stereo Bus Compressor, the Listen Mic Compressor, and the unique SSL summing bus. Fusion takes SSL into a new era with the introduction of a suite of new analogue processing tools that offer exceptional tonal character and versatility. Fusion expands the processing palette for hybrid studio owners and is a superb partner for the SSL Stereo Bus Compressor.

Fusion features five analogue processors that can be used individually or combined:

- **Vintage Drive** - is a non-linear harmonic enhancement circuit that brings cohesion and strength to your mix. Drive and Density controls interact to produce harmonic saturation and soft compression derived from overloading an analogue circuit. It can be used lightly for subtle thickening saturation or driven hard for more extreme distortion.
- The **SSL Violet EQ** - a new minimum phase-shift, two-band shelving EQ. The first new SSL analogue EQ circuit for more than 25 years draws on the SSL legacy of carefully selected frequencies and response curves to create a musical and intuitive EQ designed to quickly dial in low-end weight and high-end sheen. High and Low frequency circuits each offer four switched frequency points and +/-9dB attenuation.
- The **High Frequency Compressor** delivers the distinctive sound of high frequency rounding in the analogue domain. A compressor that effects high frequencies only, optimised for smooth and transparent harshness reduction and a tape-like high-frequency roll off – great for taming brittle high frequency fizz.
- The **Stereo Image** enhancer provides a true analogue Mid-Side circuit that manipulates the Side signal, allowing for widening and spatial manipulation of the stereo field.
- A switched, custom-designed SSL **Transformer** circuit introduces subtle low-frequency saturation, alongside a high-frequency phase-shift. The result is a simultaneous thickening of the low-end and an added sparkle to the high-end.

Expertly designed for today's hybrid studio.

SSL has also always been known for clever connectivity and features that streamline and accelerate production workflow. Fusion fits right in with a collection of workflow enhancing features including: +/-12dB Input and Output Trim controls, an Input overload LED, large peak-hold metering, a front-end 3rd order High Pass Filter with three selectable cut off frequencies, and tri-colour status indicators for the Vintage Drive and HF Comp sections.

A set of XLR connections can be used either as a Stereo Insert for stereo mix bus processing or switched to function as a Mid-Side (MS) circuit enabling separate compressors or EQ to be applied to the middle (centre) and sides of a stereo signal. In Stereo Insert mode the insert point can be switched to pre-Violet EQ, when in MS mode the insert can be switched to pre-Stereo Image controls. Input and Output connections are via XLR.

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

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 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.

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.

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.

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 transistoresque 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

βeta, 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. βeta 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 βeta HDK are pre-assembled – it is a kit of parts for users to assemble from scratch.
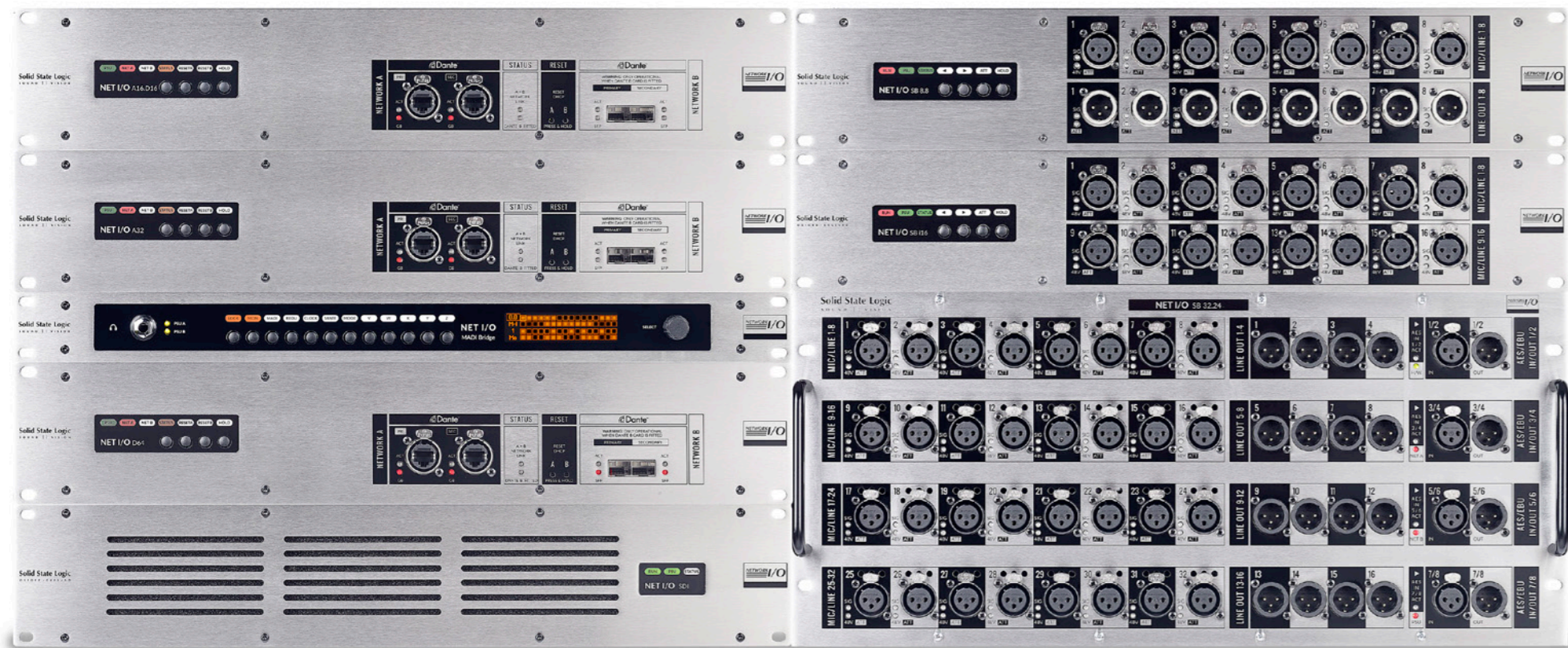
SSL Network I/O

SSL's renowned SuperAnalogue™ sound for Dante networks

SSL Network I/O is a range of I/O devices which bring SSL's quality and innovation to Dante, AES 67 or SMPTE-2110 based IP Audio networks. IP Audio networking provides a hugely versatile solution for environments where audio sources are shared by multiple users across multiple recording areas and control rooms. Dante uses standard IT infrastructure (Ethernet cables, 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 be the established industry choice for the use of IP networks for audio distribution.

Solid State Logic :: Studio Tools

The SSL Network I/O range provides a comprehensive collection of analogue and digital audio interfaces to provide audio connectivity, format conversion and distribution throughout even the most sophisticated multi-use facilities.

SSL Network I/O **Stageboxes** offer SSL's SuperAnalogue™ mic preamp design with its superior audio performance. There are three different models available; **SB8.8** (eight mic/line in/out), **SB i16** (16 mic/line inputs) and **SB32.24** (32 mic/line in/24 AES digital in). The SSL **Stagebox Remote Control Application** provides comprehensive remote control of Network I/O Stageboxes via the Dante network. The software can be installed onto any PC located anywhere on the network and multiple instances of the software can coexist on the network, with all instances of the application having access to all SSL Stagebox units on the network.

The **A16.D16** provides a combination of SuperAnalogue and AES3 digital I/O. A16. D16 has 16 line inputs - four of which also have switchable mic circuits, 16 line outputs and 16 digital I/O in 8 AES3 pairs. The **A32** offers 32 line in and 32 line out.

Format conversion interfaces include the **MADI-Bridge** (64 channel MADI-Dante converter/splitter/aggregator with added headphone monitoring), **D64** (64 channels of AES3 digital I/O) and **SDI** (16 stereo SDI embedder/de-embedders for interfacing video technology). SuperAnalogue SuperAnalogue SuperAnalogue SuperAnalogue

The SSL Native Collection

SSL Console Grade Processing For Your DAW

The SSL 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. SSL Native 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.

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

There are 9 plug-ins in the Native collection:

- The **Channel Strip** 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-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.

Solid State Logic f 𝕏 Live f in ▶YouTube ⊙
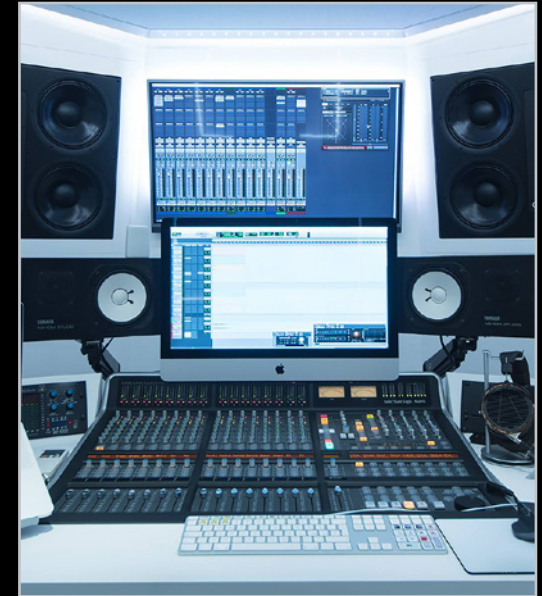
International HQ: Begbroke, Oxford, England OX5 1RU · Tel +44 (0)1865 842300 · sales@solidstatelogic.com

Los Angeles: Tel +1 213 249 9229 · lasales@solidstatelogic.com   Paris: Tel +33 (0)1 48 67 84 85 · frsales@solidstatelogic.com   Tokyo: Tel +81 (0)3 5474 1144 · jpsales@solid-state-logic.co.jp
New York: Tel +1 212 315 1111 · nysales@solidstatelogic.com   Singapore: Tel +65 6438 2272 · sales@solidstatelogic.com