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 do their magic; to help their 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 help 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 support for 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.
Welcome to the world of Duality, 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 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 excellent operator environment.

- The analogue console for the modern studio
  - Comprehensive analogue console with integrated DAW control
  - NOW: Delta control automates your console within your DAW like a plug-in
  - Comprehensive analogue console for the modern studio
  - Beautiful, precise SSL SuperAnalogue™ mix bus
  - Near linear phase, flat frequency response, 0.005% THD, exceptionally low noise floor, ultra-linear

- Highly versatile audio capture with transparent and coloured pre’s
  - Transparent SuperAnalogue™ and versatile discrete VHD™ Mic Pre

- Classic console SSL analogue console processing toolkit
  - E & G Series EQs and Dynamics on every channel (including Legendary Monitor Bus Compressor)

- Innovative SPiT® channel signal path architecture
  - Mix console processing integrated within the DAW signal path

- Unrivalled levels of visual feedback
  - 512 point parametric equaliser, 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 2 DAWs simultaneously

- A range of frame sizes or the V shaped Pro-Station option available in Duality Pro-Station format

- Duality large format hybrid production console.
  - The New Studio Standard
  - Welcome to the world of Duality, the large-format analogue console designed for the modern studio environment.
AWS delta

Mid-scale hybrid production console.

AWS delta is a mid-scale hybrid production console designed for mid-scale commercial recording and production facilities. It 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 delta 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 delta delivers staging, 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, pristine SSL SuperAnalogue™ mix bus
- Near linear phase, flat frequency response, 0.005% THD, exceptionally low noise floor
- 24 SSL SuperAnalogue™ mic pre's
- 16 or 24 SSL SuperAnalogue™ mic pre's
- Classic SSL analogue console processing
- E & G Series EQs every channel, assignable Dynamics and legendary Master Bus Compressor
- Innovative SPLIT channel signal path architecture
- Apply console processing anywhere within the DAW signal path
- AWS 916, 924 and 948
- 48 inputs on AWS 948 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
- 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, SSL Cut, insert switches and analogue faders can be automated
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 work流程. The new Matrix² is a significant upgrade to the original. Matrix 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 Matrix analogue faders to be controlled using DAW automation data. Devices and Chains from the insert Matrix can now be loaded from the console surface as well as the browser software. SSL’s Surround everything is now included as standard. Fully equipped to partner your monitors, workstations and outboard gear, Matrix lets you shape your project studio around the way you work.

Key Features:

- 16 motorised fader, 40-input SuperAnalogue summing mixer
- Switchable Input/DAW monitoring paths across all 16 channels for tracking
- Dual stereo/mono 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 (SPDIF and AES/EBU) with SSL converter technology
- Programmable function keys for keyboard key strokes/macros
- A-FADA driven analogue automation system
- Fader linking for stereo stems
- Load devices and Chaos 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

“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... Matrix is a very intuitive system and it’s very easy to use so the Matrix is a great thing. Matrix has a clear transient signal path that isn’t coloured much but is just punchy and full. The added benefit of being able to do all your fader movements and automation actually on a work surface as opposed to just using a mouse is a very cool thought too.”

Engineer, Coldplay
Nucleus

The centre of your professional audio environment.

Advanced DAW control meets benchmark quality front end, monitoring and audio interface.

Nucleus re-defines the professional project studio with a perfect blend of advanced DAW control, transparent SuperAnalogue™ monitoring, high class analogue mic pres, pro quality USB audio interface and bundled SSL Duende Native plug ins. There is no other product available which offers the professional producer/engineer these elements in a single unit, with benchmark audio performance and elegant ergonomics.

Not only is it unique but Nucleus is also outstanding value, these elements bought separately would cost more and deliver a less elegant solution.

Nucleus is a compact, portable desktop unit 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 quickly and efficiently without resorting to your mouse. Nucleus streamlines your workflow and helps you focus on your sound, not your screen.

- 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
- Ten 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 separate +4dBu & -10dBV connections
- High quality USB audio interface stereo record and playback path for your DAW
- 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 built-in high pass filters, phase reverse and phantom power
- Insert send/return connections switched between inputs and DAW playback for monitors
- Additional 'external' SuperAnalogue input monitor path for another audio interface
- Two headphone outputs, jack monitor input and Standard 1/4” jack footswitch
- Four USB sockets for use as a 4 port USB hub
.sigmacase

Designed for the DAW user that seeks the legendary big sound of an SSL console while retaining the convenience of working in the box, Sigma is a unique DAW automated SuperAnalogue summing engine.

Sigma seamlessly brings the analogue joy of mixing on an SSL console into your DAW dominated workflow. Using MDAC technology unique to SSL, 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, using a hardware control surface and/or software automation within your DAW. Now anyone who can drive a DAW can mix on an SSL.

Consistent feedback from the world’s leading producers demonstrates that analogue summing still brings a record together in a special way that no emulation plug-in can match. Sigma and SSL’s no-compromise approach to designing audio circuits, delivers summing with an extended low-end frequency response, wide stereo imaging, clarity, depth and detail. When it comes to sonic tone and character many leading engineers state that a significant part of their ‘sound’ is the magic that happens when you drive the analogue mix buss of a console a little too hard...that delicate cohesive distortion only a pushed analogue mix buss brings their mixes. This is exactly the case with Sigma. It is at its best when pushed to that ‘sweet spot’, to the point where it yields that extra sonic dimension which has always been part of the legendary SSL sound.

Sigma combines its true analogue tone and depth with complete integration into a DAW dominated workflow. To today’s commercial environment, DAWs are at the center of sound creation, with multiple mix tweaks and necessary corrections and revisions depend upon instant recall of all their settings. Sigma meets this demand. As Sigma’s levels are driven from your DAW, the mix is instantly recalled upon session load. Furthermore, every setting in Sigma is DAW-automatable, making sessions and settings can be saved and recalled at the click of a button.

Sigma also features a Dual Output monitor and headphone switcher and talkback system which is completely remotely controllable. Sigma is set up using a cross-platform, tablet ready html 5 software browser interface. Running on an iPad or other tablet, the browser also performs as a superb remote control for the monitor switcher/talkback.

Key Features:
- Advanced DAW automation driven SSL SuperAnalogue mix engine
- Works with all major DAWs including Pro Tools, Logic, Cubase/Nuendo, Ableton Live
- 16 flexible channels individually switchable between stereo or mono for up to 32 channels at mixdown
- A stereo mix buss 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

SSL SIGMA

Remote Controlled Analogue Summing.
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 professional tool, but it's also a console that's easy to use and affordable to operate. It's packed with an incredible collection of features. It has an 8-channel strip for input, 16-channel main input (switchable between main input or DAW return) and a 4-channel matrix. The last eight channels have VHD Mic pre's. It has an eight 500 format rack built-in, that can be used for processing or for mixing. XL-Desk ships with a built-in SSL Stereo Bus Compressor module at slots 17 & 18 which feed into the Matrix Buss, A, B, C, D, with buses B, C and D able to be summed into Mix A.

The bus and channel 18 slots can be used for mix Buss, the first eight channels have A and B, C and D sidechain compression for processing. Three of these eight inputs and three channel inputs/outputs. Direct stereo outputs, Talkback and Compressors. The SSL Studio Bus Compressor module at slots 17 & 18 can be used for input or mix bus compression.

Each channel has a four-band SSL Compressor section with Pan and Volume control to provide extra input stereo width. Direct outputs are available for each channel input, main output, and mix bus for convenient stem printing. Each channel has a four-band SSL Compressor section with Pan and Volume control to provide extra input stereo width. Direct outputs are available for each channel input, main output, and mix bus for convenient stem printing.

Key Features:

- 20 + 1 fader, over 40 input SuperAnalogue™ SSL console
- 8 built-in Variable Harmonic Drive (VHD) mic preamps
- 16 dual input mono channels (swappable between main input or DAW return)
- 4 stereo channels (swappable to mono for tracking)
- The legendary Stereo Bus Compressor, with new high-pass filter sidechain
- 16-40 format rack built-in, accessible from channels or mic boxes
- Additional 8 aux input channels, each with four-band SSL compressors and the SSL Bus Compressor module at slots 17 & 18
- MIDI control for all SSL console functions
- Balanced D-Sub main input/output & 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 digital bus for your studio. X-Desk fulfils all the essentials of the audio mixing process, with typical SSL attention to detail and design, including volume overs, stereo faders, compressor-optimized multi-fader and edit buttons, stereo and mono aux sends, channel and Master Bus Trimmers and an intuitive graph work environment.

- 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-Desks or X-Rack units for up to 128 channel systems

X-Rack
Modular console grade technology.
Legendary SSL Mic Amp, EQ, Dynamics, Mix Bus 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. You could build a standard SSL mixing desk or fit networked SSL Mic Amplifiers, EQ, Dynamics, Mix Bus and Total Recall™ technology in a modular rack.

- SuperAnalogue Mic Pre & Dynamics modules for a pristine front end recording system.
- Duality and AWS modules for classic SSL mixing.
- Line Input modules for summing and monitoring.
- Stereo Bus Compressor module for legendary SSL dynamics.
- Sixteen modules to choose from the possibilities are extensive. See the full range of modules on the next page.
Build your perfect SSL.

Configure your perfect X-Rack or Mynx system from the following modules:

Mic Amp Module

Angelically pure and versatile input section with a choice of three separate input amplifiers; Mic, Amp, Instrument and Line input. Designed for transparency and versatility with a set of High and Low Pass filters, phase response 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 includes a Master Section, which provides 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 classic 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.

Stereo Bus Compressor Module

The centre section compressor from the 80’s G Series analogue console is a mixing production legend. It is a simple unit with a single 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.

Build an X-Rack Mixer

Adding a Master Bus Module turns X-Rack into a console grade SuperAnalogue Mixer. The Master Bus Module is essentially constructed for its Section, Master Insert with ‘Insert Source’, Level, Gain and Cut buttons, Metering, Output AFL, Solo and a Headphone Output. Adding Line Input Modules enables high channel count summing mixers to be configured. The 8 Line Input Module offers four stereo inputs, with mono inputs and inserts onaka and yaka. The 4 Line Input Module adds four mono inputs each with Pan & Level controls, Solo, Insert and routing to either Bus.
**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’ feature to you with spectacular SuperAnalogue audio performance. The 500 format version also features an adjustable High Pass Filter for expanded flexibility.

**VHD Pre Module**

The VHD Pre Module makes the uniquely versatile VHD based preamp technology from Duality, SSL's industry leading large format studio console, 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 more, the distortion becomes more extreme until at high gain settings it delivers fierce trashy transistor-groan. 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 switch 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 bandwidth subtraction mode for complete creative control.

**E-Series EQ Module**

The E-Series EQ Module reproduces the legendary sonic signature of an early eighties studio, the Solid State Logic SSL 4000 series channel strip. It features reconstituted classic settings from the 1980’s to the present. The E-Series EQ Module features a total of five different EQ’s, one for each of the SSL 4000 series channel strip. Each EQ has unique response curves and tonal character. Historically the type of EQ fitted to 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 engine channel strip. The E Series Dynamics Module features a compressor/limiter and an expander/gate, both of which faithfully to the circuitry and key components which defines the sound of the original SL 4000 E Series dynamic modules. A true RMS detector and a fixed threshold are used in the side chain while the gain element is a 6-fader design identical to the Class A VCA chip used in the original unit. The compressor contains additional switching options to dial in the exact curve and to allow a cleaner release instead of the more usual logarithmic curve. The result is a compressor with three distinct voices, each with its own musical character.

**SSL modules for API 500 format racks**

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

There are five modules are available in the range:

- Stereo Bus Compressor Module
- VHD Pre Module
- LMC+ Module
- E-Series EQ Module
- E Series Dynamics Module

SSL modules for API 500 format racks

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

There are five modules are available in the range:
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

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 '50s valve-style overdrive through to hard-edged '70s 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
- 70dB Pad switches with tri colour level indication
- Hi Z switch provides two different mic impedance settings
- Four independent Variable Harmonic Drive systems
- 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 Combo 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 in 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

Solid State Logic

Music Production Tools.

www.solidstatelogic.com
XLogic I/O Range
High Performance Digital Audio Interfaces, Converters & Routing.

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 in a sampling environment. The XLogic I/O Range delivers excellent audio conversion, versatile high channel count digital audio interfaces and an innovative solution for sharing audio between multiple recording areas and control rooms. 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 four different Alpha-Link A-D/D-A converters which can be used as stand-alone converters or combined with our MadiXtreme, MX4 or Delta-Link MADI audio interfaces and the ground breaking MADI-X8 multi room audio router/splitter/aggregator.

SSL I/O is in use in conjunction with our large format consoles in commercial and private studios around the world, in mobile and small studio environments and in classical recording environments. SSL I/O has become an industry leader anywhere that high channel count, high quality audio capture and reproduction is valued. The SSL I/O range consists of four different Alpha-Link A-D/D-A converters which can be used as stand-alone converters or combined with our MadiXtreme, MX4 or Delta-Link MADI audio interfaces and the ground breaking MADI-X8 multi room audio router/splitter/aggregator.

Key Features
- High quality SSL A-D/D-A converter technology
- 64 channel Fibre Optic MADI digital audio In/Out
- Alpha-Link MX 4-16: 4 analogue In, 16 analogue Out (balanced)
- Alpha-Link MX 16-4: 16 analogue In, 4 analogue Out (balanced)
- Cascade up to 4 units for up to 80 analogue connections (In and/or Out)
- 44.1 to 192kHz operation with varispeed up to ±10%
- Switchable reference level with a range of settings between +24dB and +14dB
- Perfect Partner for SSL MadiXtreme, MX4 & Delta-Link MADI audio interfaces

SSL I/O is in use in conjunction with our large format consoles in commercial and private studios around the world, in mobile and small studio environments and in classical recording environments. SSL I/O has become an industry leader anywhere that high channel count, high quality audio capture and reproduction is valued. The SSL I/O range consists of four different Alpha-Link A-D/D-A converters which can be used as stand-alone converters or combined with our MadiXtreme, MX4 or Delta-Link MADI audio interfaces and the ground breaking MADI-X8 multi room audio router/splitter/aggregator.

Alpha-Link MX
New generation SSL A-D/A converters with versatile cascade system.

Scalable high performance D/AW I/O for the pro project studio.

The Alpha-Link MX range consists of two units that can be used individually or combined to create larger systems. Each unit features fibre Optic MADI In/Out connections which can be used to deliver to SSL’s own MadiXtreme, MX4 or Delta-Link computer interfaces or to cascade multiple MX units. The Alpha-Link MX 4-16 has 16 analogue inputs and 4 analogue outputs, making it an ideal solution for 16 channel analogue summing with a channels of audio capture. Up to four MX units can be cascaded in any combination on a daisy chain. In this way systems with up to 64 analogue connections can be created. Each unit has a switchable reference level to enable matching with the rest of your studio system, with front panel selection of a range of settings between +16dB and +24dB.

Key Features
- Perfect Partner for SSL MadiXtreme, MX4 & Delta-Link MADI audio interfaces
- Sample front panel setup controls
- Dedicated tri-colour signal activity LED’s
- BNC Word Clock sync In/Out
- Rear panel analogue connection for 25 pin D-sub
Alpha-Link SX & AX

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

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

The Alpha-Link MADI SX and MADI AX are well established as reliable high quality multi-channel audio converters in professional studio installations around the world. Each unit is designed of fixed Fibre Optic MADI inputs and outputs which can be used to connect to SSL’s own MadiXtreme, MX4 or Delta-Link computer interfaces. In MADI equipped consoles and routers to create powerful systems that offer exceptional value. There are two different models available each of which features 24 channels of high quality SSL A-D/A conversion which can operate at up to 96kHz. The Alpha-Link MADI SX also has 24 channels (12 stereo pairs) of AES/EBU digital inputs and outputs. Both units feature a front panel hardware switch based control interface with LED status indication, and dedicated tri-colour LED's provide signal activity indication.

Alpha-Link MADI SX shared features

- High quality SSL A-D/A converter technology
- Lossless 64 channel Fibre Optic MADI digital audio input and output
- 24 analogue inputs and outputs with SSL A-D/A conversion 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 mixing and routing in SSL A-D/A setup
- Analogue input/output activity indication via 24 tri-colour LEDs

Alpha-Link MADI AX

Professional MADI to AES/EBU & A-D-A converter. 24 analogue, 24 AES/EBU digital and up to 64 MADI digital.

Alpha-Link MADI AX

Professional MADI to ADAT Lightpipe & A-D-A converter. 24 analogue, 24 ADAT Lightpipe digital and up to 64 MADI digital.

Audio Interfaces

Delta-Link MADI HD

64 channel MADI to Pro Tools HD® Interface

The Delta-Link MADI HD is a professional MADI to Pro Tools HD® interface for Studio, Live & Broadcast Applications. Delta-Link enables interconnection of audio converters, digital consoles and routers to Pro Tools HD® systems via Fibre Optic MADI. By combining Delta-Link with SSL Delta-Link audio converters, high-channel count systems with simple cable interconnection, reduced rack space requirements and superior audio quality can be configured. Delta-Link MADI HD is compatible with Pro Tools HD Core and Accel Cards or HD Native and HD Cards. HD Native and HD Cards require Digilink to Digilink Mini Adapter not supplied by SSL.

MadiXtreme

64 or 128 channel digital audio interfaces using Fibre Optic MADI.

High performance PCIe card interfaces for Mac or PC DAW systems. MadiXtreme is a family of multichannel PCIe audio cards for Mac and PC. MadiXtreme delivers digital audio input and output for your DAW, console or router via convenient and efficient optical MADI and is the perfect partner product for SSL’s Alpha Link converters. Featuring our PCIe-Core Audio Pipeline technology, the drivers are fully multichannel capable allowing several applications to simultaneously access the device and allow multiple systems to run.

MX4

128 channel digital I/O with DSP powered software mixer environment and plug-ins.

MX4 combines three system elements: a 128 channel digital audio interface – a versatile Software Mixer – and DSP powered plug-ins. The MX4 flexible mixer architecture, true Multi-client operation and stunning “near zero” latency creates a powerful system with the versatility to create multiple (or duplicate) multichannel record feeds, multiple headphone/artist monitor feeds or Mix Minus monitor feeds. SSL channel EQ, Dynamics and Bus Compressor plug-ins provide console grade precision processing, with DSP power ensuring that processing is available even at high channel counts.
**MADI-X8**

The Heart of your Intelligent Audio Network.

Versatile And Cost Effective 8 Port MADI Router/Splitter System.

MADI-X8 is an affordable, powerful and versatile MADI routing system. In addition to allowing simple point to point bulk routing, MADI-X8 offers Source Distribution (any source to any destination), Device Splitting (any combination of individual sources to any combination of destinations), Source Aggregation (any combination of channels from various inputs) and Device Aggregation (any combination of individual channels from various inputs). MADI-X8 is therefore a versatile low cost solution for audio distribution and aggregation challenges including Broadcast Production Studios and OB Vehicles, large scale Film/Game Scoring, multi room studio complexes requiring real-time asset sharing and Live Sound.

MADI-X8 is astrom with 8 MADI I/O. It provides a 512 x 512 point routing matrix controlled by cross-platform SSL Logictivity™ Browser software. The Browser allows creation of even the most complex routing configurations very straightforward. The MADI-X8 powerhouse can step up to 128 Presets and continues to function when the formerly bottlenecked MADI x8 is driven by a Master Clock source or a Clock Reference, 해제 되어 MADI/Bridge and/or Word Clock connections. It has a high resolution Clock setting with Auto Fallback which can monitor both a Primary Master Clock and a Secondary Clock source and switch automatically should the Master Clock source fail. Up to four MADI-X8 units can be controlled by a single browser and multiple browsers can control a single MADI-X8 over a wired or wireless network.

**MADI-Bridge**

MADI to Dante IP Audio Network Interface

Fully redundant connectivity.

Dante IP Audio Networks offer a powerful and extremely versatile method of audio distribution. Dante uses embedded IT network technology and Ethernet cabling and allows easy expansion of existing IP networks. The system is plug & play with automatic device discovery, routing can be controlled from any computer attached to the network and there are hundreds of products available from different audio manufacturers ready to share audio via Dante networks.

The SSL Network I/O: MADI-Bridge is an interface between digital MADI and Dante IP Audio Networks. It provides 64-channel interconnection per Bridge (≤48kHz). It has redundant PSU, MADI ports, IP Network ports and sync inputs. It also features a front panel headphone output (with variable level control) and inbuilt headphone monitor routing for confidence monitoring and fault finding in the IP Audio domain. Front panel controls have front panel monitoring or stereo output from MADI In, MADI Out, Dante In or Dante Out directly to the headphones with an LCD screen providing signal present metering. GPIO connections allow for transfer of tally and switching functions across the network.
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. The suite is made up of some of the superior circuits, innovative feature set and legendary tonal characteristics of SSL console products in affordable VST/AU/AAX plug-in form.

www.solidstatelogic.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 inspired 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, X-Phase also a new release is designed to help you fix awkward phase issues with its high-precision frequency-specific phase control tool.

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 section offers both fully parametric 4-band and Q2-Max sections allowing G-B湖 versions (4-A & 4P switch to B). The whole unit can be switched between A & 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 unit 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 split G Series analogue console is an audio production legend. It is the secret behind countless classic recordings, it is 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, reverberant and true sound profiles all at the affordable price that you will ever need. Unlike most plugins, X-Verb is not a Convolution Reverb, it is a True Reverberation Generator based on unique S310 algorithms, designed to rival the dynamic subtleties of movement and depth that real, living spaces create. The sheer sonic might of X-Verb is wrapped in a user-friendly GUI that provides comprehensive, yet intuitive control with ‘quick controls’ and full set of parameter controls. A powerful ‘Scrub’ feature allows automatable crossfading between different reverberant ‘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 amplitudes (gain) of selected frequencies, X-Phase keeps all frequencies of a signal at equal amplitudes 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 overdubs causing phase problems when mixed with close mics, 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! A wide variety of 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 studio 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 second order harmonics 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 drum 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 second order (valve style) or third order (transistor style) distortion. It can be switched between Peak or RMS modes and has input and output level controls. There are Input and Output Meters with separate kick drum compression indication and Input and Output level controls. There’s a Gain Make Up control and a Side Chain input with high and low pass filters on the compressor’s internal side chain.

### 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 enable 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, along with the right processing order, 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.