

# Also available

Other processing and I/O products from SSL include:

**XLogic Alpha Analogue. SSL analogue processing essentials.**



Alpha Channel



Alpha VHD Pre

**XLogic Alpha-Link & Delta-Link. SSL multi-channel audio converters.**



Delta-Link MADI HD



Alpha-Link

**Duende. DSP-powered plug-ins with the SSL sound.**



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**XLogic.** This is SSL.

**Solid State Logic**  
SOUND | | VISION

# XLogic Engineered by SSL

**SSL's legendary console  
processing for your rack**



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# This is SSL

The secrets of the world's finest analogue processing

Over three decades Solid State Logic have designed and built the world's finest audio consoles. With over three thousand SSL consoles in use worldwide, the 'SSL sound' has become an integral element of the sound of countless hit recordings. With Duality, AWS 900+ & C200, SSL consoles continue to be leaders in the field of high-end music production. The same technology and sound of the SSL console legacy is now available to mix and match to suit your need in our modular X-Rack system or individual rack strips.

SSL consoles are a blend of a few simple but crucial design elements...

## Pristine Audio Foundations

Through use of our trademarked SuperAnalogue™, DC coupled circuit design implemented in modern surface mount manufacturing techniques, our rack processors enjoy an extraordinarily transparent audio path with ultra-wide and flat frequency response, extremely low distortion and an almost unmeasurable noise floor. It provides a bandwidth greater than 192kHz recorders and a dynamic range well beyond that of 24-bit A-D converters. The perfect platform for first class recordings and summing outside the box on a pure analogue mix bus.

## SSL Mic Amps

There are three different microphone pre amps available in the XLogic range. The SuperAnalogue™ mic amp matches the rest of the SuperAnalogue™ circuit for transparency and purity, so it will not colour the sound of your microphones. The E-Signature preamp precisely replicates the transformer coupled design of the classic 1980's E Series console and its fabled, warm character. The new VHD Mic amp takes the SuperAnalogue™ mic amp and adds the innovative SSL VHD circuit.

## VHD Preamps

Our VHD technology is 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.

## The Dual EQ Curve Thing

SSL EQ has a reputation for versatility and unique tonal character. There are several flavours available within the range.

Our Duality & AWS 900+ consoles, the X-Rack EQ and SuperAnalogue™ Channel feature a four-band equaliser that can be switched between two different sets of curves, one based on

SSL's G Series Console EQ and the other based on a version of the classic E Series Console EQ. The gentle curves of the G EQ are excellent for overall shaping of instruments and vocals while this version of the E EQ offers relatively high Q at low gain settings and is superb for drums and more surgical work.

The E-Signature Channel features the EQ characteristics of two different generations of E-Series Console. It defaults to the original 'Brown' Knob circuit that was standard on all early production E Series consoles with its unique rounded character. In 1983 a new version of E EQ was developed in conjunction with the legendary George Martin. The BlackKnob EQ, as it became known, features enhanced cut and boost ranges together with a different control law as well as a steeper 18dB/octave high-pass filter for tighter control of low frequencies. It is this design which is retained today as the E Series EQ option of today's SSL consoles, the X-Rack EQ and SuperAnalogue Channel.

## Cool Dynamics

There are three flavours of dynamics available within the XLogic SuperAnalogue™ range. Our classic Compression & Gate/Expander circuits are renowned for their transparency and versatility making them ideal for every day recording duties. The legendary Listen Mic Compressor is an extremely aggressive circuit that is awesome on drums. The Stereo Bus Compressor is a simple but devastatingly effective stereo master bus compressor that instantly makes mixes sound bigger and stronger without compromising clarity.

## Total Recall

SSL Total Recall is the closest thing you will get to digital console style instant mix parameter recall in an analogue recording device. Our patented system uses an LED associated with every control to guide the return of all controls to settings stored previously in a snapshot of mix parameters. It is a standard feature on X-Rack.

## A to D via SSL

SSL continues to pioneer digital audio console technology. Our Analogue to Digital Converters deliver 24-bit/192kHz performance to match our pristine SuperAnalogue™ signal path.

# Build the perfect SSL. 4U

X-Rack - 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 900+ 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 eight different modules on offer. You could build a stunning SuperAnalogue™ front end for your recording system, with two different flavours of mic pre (SuperAnalogue™ and VHD), EQ, transparent dynamics and a powerful master section. Or create an SSL summing mixer with an ultra-pure analogue mix buss, using two different line input modules to achieve high channel counts or combine additional sources during mixdown to the legendary Stereo Bus Compressor. X-Rack delivers the very highest quality analogue recording and summing path and is the perfect configurable solution for studio or live applications.



## The X-Rack Chassis

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 onboard capacity to store 32 system snapshots (the snapshots can also be stored as MIDI SysEX).

**XLogic X-Rack. This is SSL.**

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# Build the perfect SSL. 4U

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



## X-Rack 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.

- Electronically balanced ultra high bandwidth input with -5dB to +75dB gain control & Pad switch
- Continuously Variable input impedance control (1.2kOhm to 10kOhm) can accommodate signals from instruments or be adjusted to suit a wide range of microphones
- Phase Reverse & Phantom Power
- Dedicated Additional XLR Line Input
- Front panel instrument input with ground lift switch
- Independently switched 12dB/Octave HF (Low-Pass) Filter
- Independently switched 18dB/Octave LF (High-Pass) Filter
- Independent routing to L & R Record bus



## NEW! 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.

- Electronically balanced ultra-high bandwidth Mic input with +20dB to +70dB gain control
- Hi-Z and Pad Switches on Mic Amp Input
- Dedicated Additional XLR Line Input
- Variable Harmonic Drive circuit adds a controllable blend of 2nd or 3rd Harmonic distortion
- Dedicated Trim control after the VHD stage
- Classic Listen Mic Compressor with fixed attack and release curves... ideal for drums
- High- and Low-Pass Filters



## X-Rack Channel EQ Module

Classic SSL four-band parametric EQ that is a superb all round frequency adjustment tool kit. Whether you need pinpoint accuracy for surgical problem solving, smoother broader sound shaping or a little more aggressive character the SSL EQ will give you what you need. This is a fully featured EQ with high- and low-bands switchable between shelving or fixed Q bell curves and two mid-bands each with variable Q control.

- Direct copy of the XL 9000 K Equaliser as used on Duality & AWS900+ consoles
- E and G characteristic switching
- High- and low-bands switchable between shelving and fixed Q bell curves
- Mid-bands switchable between SSL E and G characteristics
- EQ IN switch for A/B comparison



## X-Rack 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.

- Fully balanced XLR input and output
- Switched -10dB/+4dB operating level
- Dedicated compression meter display
- Over-easy RMS compressor, switchable to peak sensing hard knee
- Variable Ratio, Threshold and Release
- External key operation
- Independently switched Gate/Expander section
- Link facility for multiple module linking



## NEW! 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.

- Classic sonic character and mix finalising capabilities of SSL Stereo Bus Compression
- True Stereo side-chain input for external signal keying
- Link control enables several modules to be combined for surround compression
- Gain reduction meter as fitted to the classic SSL console range
- Electronically balanced XLR connections



## X-Rack Eight Input Module

The essential module for creating a SuperAnalogue™ summing mixer, this module is designed for situations where the aim is high channel counts, particularly bringing large numbers of audio channels out of a DAW and onto an analogue mix bus to assure the depth and space that only summing outside of the box in the analogue domain can achieve.

- Eight line level inputs configured as four stereo pairs
- Mono/stereo switching for each stereo pair
- Additional insert points for inputs 1&2 and 3&4
- Independent On/Off switches for each stereo pair



## X-Rack Four Channel Input Module

The perfect alternative to the Eight Input module provides four inputs each with features suited to the tracking process or combining line level sources into a final mix. Each input features, Pan & Level controls, Solo, Insert connection and routing to either the Record or Main Stereo Bus.

- The line input module for tracking
- Four line level inputs with independent Pan and Level controls
- Route to master bus or record bus
- Insert points on each channel



## X-Rack Master Bus Module

The vital component that turns X-Rack from a processing solution into a mixer. The Master Bus Module provides a signal path to the two X-Rack stereo buses for all of the other modules and offers the user a compact console master section that is surprisingly sophisticated for its size.

- Controls the X-Rack's two internal stereo busses.
- Two pairs of speaker outputs with dedicated controls for level, dim and cut.
- Master Level control & Metering
- Master Insert & additional 'Insert Sum' feature
- Monitor Output Level control
- Master section external MIDI control
- Monitor Output AFL Solo
- Monitor Output Routing
- Dedicated Monitor Dim & Cut switching
- Headphone Output Section

For detailed X-Rack feature and specification information visit: [www.solid-state-logic.com](http://www.solid-state-logic.com)



# Legendary console processing

SSL rack processors put the uncompromising performance and features you expect from SSL's world-class studio consoles directly within your studio rack



## SuperAnalogue™ Channel

The SuperAnalogue™ Channel is angelically pure; it offers a superb mic preamp, pristine audio path that will not colour your recordings and impeccable processing. The perfect accompaniment to high-quality recording equipment whatever your chosen format.



## E-Signature Channel

The E-Signature Channel delivers all of the warmth and vintage character of the classic E Series console, with a modern twist via the addition of our Variable Harmonic Drive (VHD) circuit. With a choice of selectable transformer-coupled or Variable Harmonic Drive (VHD) mic amps, E-Signature Channel offers two distinctive EQ options coupled with the most musical dynamics processor available in either the analogue or digital domain.



## G Series Compressor

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.



## Multichannel Compressor

The Multichannel Compressor is the ultimate analogue 5.1 surround compressor. It is a 2U six-channel compressor with classic G Series Compressor design elements and audio characteristics. It delivers spectacular surround audio performance with a comprehensive set of controls.

- SuperAnalogue™ preamplifier with Mic, Line or Instrument inputs, with switched gain for easy reset
- Twin-Curve Dynamics. RMS or peak sensing for subtle to dramatic compression including soft distortion
- Twin-Curve G Series and E Series four-band parametric EQ with variable Q on both mid-bands, and shelving/bell high- and low-bands
- High- & Low-Pass Filters with routing into the dynamics side-chain allows frequency-dependent gating
- Variable output level with switchable metering
- Optional digital interface card. High quality A-to-D conversion and externally synchronised digital output

- Jensen Transformer or VHD mic amps with +20dB to +70dB gain control Hi-Z & Pad Switches and Phantom Power
- Variable Harmonic Drive circuit adds a controllable blend of 2nd or 3rd Harmonic distortion.
- Dedicated Trim control after the VHD stage
- Classic Listen Mic Compressor with fixed attack and release curves... ideal for drums
- High- and Low-Pass Filters
- Class A VCA Dynamics processing with Compressor & Expander/Gate
- SSL E Series 'Brown' and 'Black' knob EQ profiles
- Patch free process order configuration with additional option for dynamics side chain processing
- Optional 192kHz ADC card

- Classic sonic character and mix finalising capabilities of SSL Stereo Bus Compression
- True Stereo side-chain Input for external signal keying - great on piano or drums!
- AutoFade function with rate control for set and forget fade-outs (and fade-ins)
- Gain reduction meter as fitted to the classic SSL console range
- Electronically balanced XLR connections

- Universally acclaimed XL 9000 K series centre section design elements
- Multi-purpose 5.1 surround or dual stereo operation
- 'Side chain sum' switching between 'dominant' signal and 'true' sum
- Trim controls allow different thresholds for all inputs
- Circular 'Max' display for monitoring dynamics side chain contribution
- 'ISO' switches for centre and surround disconnect the respective channels from the compressor (though they are still controlled by the master fader)
- AutoFade function with rate control for set and forget fade-outs (and fade-ins)

For detailed XLogic SuperAnalogue™ feature and specification information visit: [www.solid-state-logic.com](http://www.solid-state-logic.com)