

# XLogic Alpha Channel



Analogue hit maker.

It's time to show your DAW who's boss.



SSL analogue channel processing for your audio workstation

Pro mic preamp with line and instrument level switching

Studio class EQ, Filter and Dynamics sections

Variable Harmonic Drive circuit - a time machine of distortion characteristics

Analogue or digital outputs direct to your DAW

## All great sounding recordings have to start somewhere...

With the classic combination of a mic preamp, filter, EQ and dynamics, the XLogic Alpha Channel brings SSL's sonic legacy bang up to date in an analogue channel strip designed to provide the perfect front end to your digital audio workstation.

With all the features needed to record great vocal or instrument tracks, the Alpha Channel offers a studio class mic pre and processing based on SSL's years of experience in designing the world's leading analogue recording consoles.

A huge proportion of the music you know and love was recorded on SSL, renowned for the superior audio qualities you've heard on countless hit records. That elusive sonic ingredient is here in the Alpha Channel.

### Key features:

- Professional ultra clean mic preamp with line level & Hi Z instrument input switches
- 'Variable Harmonic Drive' circuit; a Time Machine of distortion characteristics
- High Pass Filter with selectable 40Hz, 80Hz or 120Hz cutoff frequency
- Built in professional quality Analogue to Digital conversion - as standard
- Auto sample rate sensing and self adjustment
- Three band SSL parametric EQ with mid freq Q control and dual LF curves
- Intelligent auto compression that maximises recording headroom and avoids DAC clipping

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[www.solid-state-logic.com](http://www.solid-state-logic.com)

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# XLogic Alpha Channel

## The SSL Channel Strip for your Audio Workstation



After four decades designing the world's finest analogue music consoles, the Solid State Logic team know precisely what needs to be done to make music sound the way you want to hear it ...

### Input Stage

- Convenient front panel combi XLR/1/4" jack input connection
- Ultra clean SSL mic preamp with 75dB of gain and phantom power
- Pad and Hi Z switches to accommodate line level and instrument level signals
- VHD™ : Innovative Variable Harmonic Drive circuit adds warmth to your Digital Audio recordings. The VHD™ Drive control adds controllable 2nd or 3rd Harmonic distortion enabling you to add gentle 50's valve style or harsher 70's transistor style distortion.



In conjunction with the preamp gain control anything from sophisticated gentle warmth to extreme analogue distortion can be injected into your mix.

- A High Pass Filter with 40Hz, 80Hz or 120Hz cut switches is there to eliminate incidental low frequency microphone noise.



### Classic SSL Equalisation

- The Alpha channel features three band parametric EQ, designed to give great results with the minimum of fuss so you can catch performances as they happen.
- The Low Frequency section offers +/-16dB of cut/boost between 40Hz and 600Hz. It can be switched between Shelving and Bell curve modes for selection of sharper or more rounded frequency manipulation.
- The Mid Frequency section offers +/-16dB of cut/boost between 300Hz and 5kHz. This section is an adjustable Bell type EQ featuring a Q control that determines the width and shape of the attenuation curve on either side of the selected frequency.
- The High Frequency section offers a shelving EQ with +/-16dB of cut/boost between 1.5kHz and 22kHz.
- The entire EQ section can be bypassed for comparison of original and processed results.

### Dynamics

- The Alpha Channel features a 'Lite Limit' dynamics section that draws upon decades of dynamics circuit design. When active the system provides automated limiting designed to prevent clipping and avoid overloading the Digital to Analogue Converter and to remain as transparent as possible. You really won't know it is there most of the time but it will give you the headroom you need to make clip free audio recordings every time.
- There are rear panel balanced insert in/out connections to facilitate use of more sophisticated compression.
- The insert input can be switched to return pre or post EQ or it can be summed into the master output for use as an additional audio input.
- A pair of DC sidechain link outputs enables the compression circuits of multiple Alpha channel units to be synchronised for mastering or other multi channel applications.

### Output and Connections

- Alpha Channel provides superior quality SSL Analogue to Digital Conversion as a standard feature.
- Digital audio output is via RCA S/PDIF and there is an S/PDIF input used to detect Word Clock and automatically set the appropriate sample rate to match connected equipment. Analogue audio output is via balanced TRS 1/4" jack and there is a six segment master signal level meter.

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