

## AWS 900+ Analogue Workstation System

The AWS 900+ is a complete, compact SSL console, with all of the audio quality, robustness and advanced ergonomics that this implies. AWS 900+ offers no-compromise audio performance, equivalent to SSL's celebrated XL 9000 K Series mixing console which is a feature of major studios the world over. Signal routing, inputs/outputs, monitoring and signal processing are all permanently available on the console. Quality motorised faders provide conventional audio level control as well as controlling the recording and replay levels in your DAW.

### Feature Summary

- Integrated console, signal acquisition, signal processing, studio monitoring, bass management and DAW control
- Advanced DAW control through a High Resolution integrated TFT screen
- Small elegant design frame with desk installation or freestanding options
- Innovative new large fader dual-control of both DAW and console input path with follow fader metering

### Exceptional Signal Processing

- Legendary SSL sound quality
- Identical SuperAnalogue™ technology to SSL's flagship XL 9000 K Series console
- DC Coupled for excellent low frequency response
- Balanced signal paths throughout for optimal dynamic range
- Greater bandwidth than 192kHz recorders
- 24 Ultra low-noise dual impedance mic amps
- 24 channels with Twin curve SSL E and G Series 4-band parametric equalisation

- Assignable dynamics sections with gate, expander and compressor/limiter
- G Series stereo mix buss compressor
- Flexible processing order

### Creative Flexibility

- Dual mix bus design for comprehensive control of Input and DAW mixing and monitoring
- 5.1, stereo or stereo down-mix main outputs
- 8 Track busses
- Two main busses Record and Mix
- EFX re-assign system on all 24 channel modules
- Wide range of solo modes including Solo in Front
- 4 stereo echo returns
- Unrivalled comprehensive studio monitoring section
- Hi-visibility channel meters, 4 main VU meters and complete busses metering in the centre section



# AWS 900+

## Analogue Workstation System

### Solid State Logic

International HQ: Begbroke, Oxford, England OX5 1RU · Tel +44 (0)1865 842300 · Email [sales@solid-state-logic.com](mailto:sales@solid-state-logic.com)  
France: 7 bis de la Victoire, 93150 Le Blanc Mesnil, France · Tel +33 (0)1 48 67 84 85 · Email [frsales@solid-state-logic.com](mailto:frsales@solid-state-logic.com)  
Italy: Via Timavo 34, 20124 Milano, Italy · Tel +39 0392 328094 · Email [itasales@solid-state-logic.com](mailto:itasales@solid-state-logic.com)  
New York: 320 West 46th Street, New York, NY 10036 · Tel +1 212 315 1111 · Email [nysales@solid-state-logic.com](mailto:nysales@solid-state-logic.com)  
Los Angeles: 5757 Wilshire Boulevard Suite 401, LA, CA 90036 · Tel +1 323 549 9090 · Email [lasales@solid-state-logic.com](mailto:lasales@solid-state-logic.com)  
Japan: 3-55-14 Sendagaya, Shibuya-Ku, Tokyo 151-0051 · Tel +81 (0)3 5474 1144 · Email [jpsales@solid-state-logic.com](mailto:jpsales@solid-state-logic.com)

© 2006 by Solid State Logic. All Rights reserved under International and Pan-American Copyright Conventions. Solid State Logic and SSL are trademarks of Solid State Logic. All other trademarks are the property of their respective owners. No part of this publication may be reproduced in any form or by any means, whether mechanical or electronic, without the written permission of Solid State Logic, Oxford, England. Solid State Logic has a policy of continual product enhancement and reserves the right to alter specifications without notice. E&OE. 29.03.06

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

**Solid State Logic**  
S O U N D | | V I S I O N

**Solid State Logic**  
S O U N D | | V I S I O N

Offering a unique combination of a compact world-class analogue mixing console and a comprehensive DAW controller, SSL's AWS 900+ provides everything you need to record, edit and mix professional audio.

The original AWS 900 established a new category in modern console design, becoming the choice for numerous producers, artists and engineers around the world.

Now, with the AWS 900+, this extraordinary sound quality is combined with an even more advanced digital controller section, offering a greater level of integrated control with Digital Audio Workstations (DAW) than ever before.

Since its introduction just two years ago, there are over 150 AWS 900 Analogue Workstation Systems installed worldwide, and the console has notched up an impressive catalog of credits from the Rolling Stones' 'A Bigger Bang' to Alicia Keys' 'Unplugged' and Barbra Streisand's 'Guilty Pleasures'. And despite measuring in at just 56", in 2005 AWS 900 scooped the TEC Award in the Large Format Console category.

AWS 900+ builds on the successful formula by adding tighter integration with all popular DAW platforms, enhancements to the displays and meters, and a sleek 'platinum' styling.

Solid State Logic mixing systems are the de facto standard in audio production, valued for their unrivalled audio quality and control ergonomics. SSL was the first company to integrate automation and machine control into the mixing console, and it pioneered surround mixing. The new AWS 900+ delivers the same powerful integration benefits to DAW users, who face similar challenges with an array of equipment (Mic Amps, Effects, Controllers, etc.) to produce professional results from a modern DAW.

## Key Features Summary

- Combined SSL console and DAW controller
- Legendary SSL SuperAnalogue™ mic pres and signal processing
- Full monitoring system up to 5.1 surround
- Direct control of DAW recording, editing and mixing functions
- Flexible signal routing

## Channel Module

### Input and Output Module

The channel meters section features dual 12-segment meters to indicate the post fader channel input level or Mono/Stereo DAW levels. The meter source normally follows the large fader assignment. The Mode Indicators here indicate which DAW channel is currently assigned to the Centre Section.

The pre or post channel fader signal can be routed to any of 8 Track Busses. The default post fader option can be selected pre or post the stereo bus panpot. If EFX is active, the routing source is the selected CUE/FX send level.

A flexible assignment routing system quickly enables inserting one of the console's assignable dynamics modules to the analogue signal path, and allows the user to modify the signal process ordering of the dynamics processing.



## Channel Input Section

The Channel Input section features a balanced Line Input with +/-20dB of gain and a SuperAnalogue™ Mic amp with continuous mic gain control (+15 to +75dB), and switchable 48V Phantom power. A -20dB PAD, and a discrete Instrument input allow for high impedance sources such as guitars. The Flip control overrides the Master Mic/Line input selection assigned via the console centre section.

## EQ Section

Lifted from the legendary XL 9000 K Series console, AWS 900+ features a flexible EQ section, switchable between default 'E-Series' operation to the 'G-Series' curves and control interaction. The INS In switch routes the channel via the balanced Insert Send and Return. PRE places the Insert before the EQ section. In conjunction with the dynamics CHIP and CHOP routing keys, the order of the EQ, INSERT and dynamics blocks can be re-ordered to a wide variety of configurations.

**HPF** - 18dB/Octave high pass filter with detented bypass position. G-EQ Toggles the shelving and parametric sections from the default 'E-Series' operation to the 'G-Series' curves and control interaction.

**LMF** - Low frequency parametric mid band EQ.

**HF** - High frequency shelving equalizer switchable to fixed Q parametric response via the Bell switch.

**HMF** - High frequency parametric mid band EQ section.

**LF** - Low frequency shelving EQ Switchable to fixed Q parametric response via the Bell switch.

## FX Sends

Dual Mono post fader FX Sends are each switchable between a primary, secondary or EFX bus to expand the number of possible sends from a channel module. A Push-Push switch activates or de-activates the send.

The PRE/EFX switch sources the channel from either the isolated pre-fader signal or the active EFX send. The EFX switch isolates the selected send from its bus and routes the output to either the Track Busses or the channel module's Direct Output if PRE/EFX is active.

## Console Dynamics Module

The assignable channel dynamics section features SSL's standard RMS compressor, switchable to peak sensing, with hard knee characteristic via pull switch on Ratio control.

There are controls for Expander/Gate range, threshold, release and hold. Expand is selected via a pull switch on the hold control.



## Centre Section Control

The AWS 900+ Centre Section offers an uncompromising approach to global console function management, monitoring and DAW control. The compact yet extremely flexible control area gives direct access to all the most important DAW functions and monitoring for both control room, studio, headphone foldback mixes and talkback functions. Alternate key sets allows optimisation for a variety of popular workstations when operating using Mackie/Logic control emulation.



## Main Stereo Outputs

The Master Stereo Bus Selector Panel controls the status of the console's two main stereo outputs. Full routing of the motorised master fader, the main bus compressor and the channel dynamics processors together with the bus inserts is carried out through two path select switches and a vertical row of function keys. Additional keys select a unique insert sum feature which allows sub-mixing of the stereo bus insert return to the main busses and a +10dB boost can also be added to either of the main stereo busses shifting the fader scale to match the channel fader.

## Monitoring

The AWS 900+ offers a new level of sophistication when working with control room monitoring. The centre section affords total control over two independent 5.1 main loudspeaker outputs plus two stereo mini LS outputs, which can be derived from an advanced Stereo Downmix Summing Matrix. Full Bass management is included which can be used with the Mini LS outputs as well as the main 5.1 monitor outputs. A highly flexible External source selector section can sum, assign and route up to four 5.1 sources, and four stereo input sources to either control room, studio loudspeaker and headphone feeds. Available Monitoring sources include the Record bus, Mix bus, Track Busses 1-6, four external 5.1 sources and four external stereo sources.

A 6 channel wide monitor insert point and a separate 6 channel external meter output allow full interfacing with additional third party monitoring systems and surround encoder/decoder combos.

A console as versatile as the AWS 900+ requires an equally versatile and sophisticated solo system. Channel Solos can be selected between: Normal Latching destructive solo, Stereo AFL, mono PFL, inter-cancelling ALT mode, Fleet and non-latching solo switches. The Solo-in front option provides a mix of LR with the selected AFL signal. The Solo-in front control adjusts the relative levels of AFL and mix signals.



## DAW Workstation Control Panel

The AWS 900+ offers a powerful large format console feature set contained within a compact console design; however the AWS goes further than any other analogue console to integrate seamlessly into a DAW based facility by incorporating hands-on control of important recording, routing, mixing, and editing functions in all major DAW applications including Pro Tools™, Logic Audio™, Nuendo™, Sonar™ and many others.

A high quality TFT displays DAW status and Plug-In parameters, plus additional console set-up information. Underneath this is the DAW Plug-In/Process controller - four rotary encoders with integral push-push switches, and four assign keys. Two additional keys are for page up/down control. The Plug-In Editor is assigned via the channel SEL switches in conjunction with the EDIT switch. Plug-Ins can now also be controlled via the faders.

## Dedicated DAW Control Panel

The DAW control panel includes a Master Rotary encoder, together with six function keys and a 2-digit display. Users can assign DAW channel levels, send levels and routing functions to the channel rotary encoder. Channel and Send levels can be 'flipped' on to the main channel fader from this panel.

Five vertical buttons (the Window Select Keys) allow for quick access to the most commonly used DAW windows such as the edit/arrange window or the DAW mixer window.

The four uppermost buttons duplicate commonly used keyboard functions on a standard computer keyboard, including ESCAPE, UNDO, SAVE and ENTER. The lower four buttons shadow the keyboard modifier keys. In combination these buttons can remove the need for a keyboard and mouse for almost all tasks.



## Motion Control Panel

Two rows of 5 buttons include the frequently used shortcuts to AUDITION, PRE, IN, OUT, POST buttons. The second row includes RTZ, END, LOOP, Q-PUNCH and DAW ON-LINE buttons. Controls are included for simple zooming, navigation and selection of DAW objects. Transport buttons allow easy access to the most common transport functions: play, record, rewind, fast forward and stop buttons.

