

AWS 900+ SE options

Total Recall™

Available as an option for the AWS 900+ SE, SSL's world famous Total Recall™ system allows users to take a 'snapshot' of all console control settings and provide storage for them either by MIDI SYSEX or **Logictivity**. Mix settings can be recalled and returned quickly and accurately to their stored settings. The centre section TFT screen provides an intuitive visual status display system of a selected channel's components and that of the whole centre section.

AWSomation

AWSomation is a fully featured analogue automation package based on the heritage of the G and K Series Ultimatum. AWSomation utilises the classic SSL look and feel, familiar to thousands of audio professionals worldwide, and features dynamic fader and cut automation. Using 100mm motorised faders provides precise, intuitive level control automation.



Solid State Logic

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

© 2009 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. 01.01.09. SSL Part No. 82BRODIN

AWS 900+ SE. This is SSL.

Solid State Logic
SOUND | | VISION

AWS 900+ SE Analogue Workstation System



**Digital control for
analogue souls**

AWS 900+ SE. This is SSL.

Solid State Logic
SOUND | | VISION

Digital control for analogue souls

Offering a unique fusion of compact world-class analogue mixing console and comprehensive DAW controller, the SSL AWS 900+ SE provides everything you need to record, edit and mix professional audio. Since its launch it has defined a new category in console design, becoming the first choice of leading international artists, producers and engineers.

The AWS 900+ SE delivers all of the benefits of a legendary Solid State Logic analogue audio console; ultra clean SuperAnalogue™ mic pre's, the precision and unique character of our dual curve 4-band parametric analogue EQ, SSL Dynamics processing, full 5.1 mixing and monitoring, AWSomation motorised fader mix, TotalRecall™ of analogue console controls, complete integration of analogue audio sources, and the facility to inject some depth into your digital audio by summing your mix on the finest quality analogue mix bus.

At the same time, AWS 900+ SE takes charge of the modern Digital Audio Workstation studio. The highly-evolved hardware control surface enables the operator to manipulate both analogue audio paths and the

digital audio paths from the heart of the console. With dedicated DAW transport & track navigation, multifunction encoders, DAW fader mode, routing control and built-in TFT display for advanced plug-in editing, the AWS delivers streamlined hardware control over your entire studio environment.

Connection to the studio DAW computer is via a single Ethernet cable. This provides MIDI over Ethernet for all DAW control functions as well as a console browser interface that allows for the renaming, archiving and storage of all console data. Project Session Management is kept simple through SSL's proprietary Logictivity interface.

Key Features

- Unified SSL console and DAW controller
- Classic SSL SuperAnalogue™ audio signal path
- Comprehensive control of DAW recording, editing and mixing functions
- Classic SSL EQ & Dynamics with unique sonic character
- AWSomation motorised fader mix automation
- Unique Total Recall™ system for recall of analogue controls
- 5.1, Stereo or Mono main outputs
- Full monitoring system up to 5.1 surround
- MIDI via Ethernet for DAW connectivity
- Logictivity browser for session management

Since the launch of the original AWS 900, hundreds of private and commercial studios have chosen to install the console, here are a few comments from just a few AWS owners:

"When SSL came along with this compact design, it was all my dreams come true in one box. With the AWS's analogue inputs and my favourite gear, it really is incredibly powerful and gives me the best of both worlds. The console is just fabulous. The way it interfaces with Pro Tools™ demonstrates its great design. It's just great - really, really great."

David Tickle, Producer

"First and foremost, the AWS 900 gives us super high-quality analogue summing. Add to this the SSL-reputable automation, control room facilities, EQs, and SuperAnalogue™ mic preamps and you have a winning package."

Tal Herzberg, Engineer & Mixer

"I love mixing analogue. For me it is an important part of getting space and all of the other things that make mixes work. The AWS has got all of that but in a compact package that sounds as good as and in some respects even better than a big mixing console."

Simon Gogerly, Producer & Mixer

"There's no competition, because there's nothing else like it."

Mike Elizondo, Producer



785 Studio
USA



HUB
UK



Gearbox Studios
UK

AWS 900+ SE. This is SSL.

Solid State Logic
SOUND | | VISION

The audio benchmark

The AWS 900+ SE is a SuperAnalogue™ console, featuring the audio performance specifications that have established the benchmarks by which other manufacturers are measured. Exceptionally low THD, noise floor & crosstalk levels keep your audio absolutely pristine, while our legendary headroom carries every nuance of your audio and allows engineers to mix 'hotter' without distortion.

Channel Input

The AWS Channel Input section features a balanced Line Input with +/- 20dB of gain and a world class SuperAnalogue™ Mic Amp featuring 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 globally via the console centre section.

EQ

Taken from the legendary XL 9000 K Series console, the AWS 900+ SE features a highly flexible EQ section, switchable between a default 'E Series' operation and the characteristic '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.

HPF - 18dB/Octave high-pass filter with detente 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.



Stereo Bus Compressor

The AWS centre section stereo compressor is based on the legendary G Series bus comp and can be assigned to either the REC or MIX stereo busses. Activated, the AWS Stereo Bus Compressor instantly adds cohesion and strength to your mix without compromising clarity, bringing the classic SSL 'audio glue' to your mix with spectacular SuperAnalogue™ audio performance. Combined with improved input and output circuitry, this revised unit provides superb audio performance, while retaining the dynamics characteristics that have provided numerous hit mixes for the world's best audio engineers.

Dynamics Processing

Two classic SSL channel dynamics processing strips with separate Compressor and Gate/Expander sections can be assigned to any channel. The assignable channel dynamics section features SSL's standard RMS compressor, switchable to peak sensing, with hard knee characteristic via the 'PK' button. There are separate controls for the Expander/Gate section encompassing range, threshold, release and hold. Expansion is selected via the 'EXP' switch. Each processing strip includes dedicated metering, fast attack buttons & key input.

Communications

The AWS features comprehensive talkback routing with dedicated independent communication buttons for independent foldback sends. A full complement of GPIO connection, SLATE, the famous LMC input, and RED light activation are all standard on the AWS.

Monitoring & Metering

The AWS 900+ SE 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, and a dedicated Headphone Out. Comprehensive bass management is also included. 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 foldback feeds. A six channel wide monitor insert point and a separate six channel external meter output allow full interfacing with additional third-party monitoring systems and 5.1 surround encoder/decoder combos.

There are dedicated Stereo VU meters for the MIX and REC busses, 5.1 monitor metering, 8 individual Track Bus meters and all Cue and FX send level indication. Each channel sports a dual 12-segment meter which allows DAW Stereo track monitoring. Other features in the AWS 900+ SE include AUTOCUE functionality, MONITOR VOLUME POT CALIBRATION, SOLO ISOLATE, the ability to control two DAW's simultaneously, and the addition of SOFT BOOT power cycling. Above all, latency free punch in record monitoring is standard, this is analogue!



AWS 900+ SE. This is SSL.

Solid State Logic
SOUND | | VISION

Unrivalled DAW control

While the AWS 900+ SE offers a powerful large format console feature set within a compact console design, it also 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.

Plug-in Control

In the console **Centre Section** the **DAW Control Panel** includes a high quality TFT to display DAW status and Plug-in parameters, plus additional console set-up information. Below this is the **DAW Plug-in/Process Controller** - four rotary encoders auto mapped from the DAW 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 also be controlled via the faders.

DAW Mixer & Environment Control

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

DAW Transport Control

Dedicated transport buttons allow easy access to **PLAY**, **RECORD**, **REWIND**, **FAST FORWARD** and **STOP** buttons. A further 10 buttons are available for various commonly used shortcut keys. Controls are included for simple zooming, navigation and selection of DAW objects. The jog wheel supports scrub and track navigation functionality.



Logictivity Browser Software

The AWS 900+ SE version introduces the **'Logictivity Browser'** concept first introduced on the SSL Duality console. This allows the AWS to connect to a standard computer via a simple Ethernet connection.

The browser software is a simple Java application that runs on both Mac and PC. Currently supported functionality includes the saving, naming and restoration of **Total Recall™** and **AWSomation** data, the ability to add names to the channels' scribble strips, and a number of other studio session project management tools. Archived console data can be treated as standard computer data and sent via email, transferred to a USB stick, etc., greatly simplifying data exchange between sessions. Furthermore the AWS can connect directly to SSL X-Rack outboard for integrated X-Rack Total Recall data consolidation.

Another advantage of a direct console computer Ethernet connection, is that now all MIDI data is passed through Ethernet rather than traditional 5 pin MIDI cabling. This greatly simplifies installation and set up, removes the need for an external MIDI interface and provides a tighter integration with your chosen DAW. All future console software updates will take place via Ethernet, thus significantly improving the speed of AWS console software upgrades.

