AWS δelta

SuperAnalogue™ Console with SSL δelta and DAW Control
AWS. This is SSL.

Digital Control for Analogue Souls

The AWS (Analogue Workstation System) was SSL’s first ‘hybrid workflow’ console, combining SSL SuperAnalogue™ technology with comprehensive DAW control hardware in a single work surface. Hundreds of consoles later the AWS is used by leading international recording artists, producers and engineers and has shaped expectations for session workflow. The new AWS delta introduces SSL’s unique ‘delta Ctrl’ system that enables console automation to be driven from within your DAW like a plug-in.

Designated for mid-scale commercial recording and production facilities, the AWS delta is available with 16 inputs (AWS 916), 24 inputs (AWS 924) or 48 inputs (AWS 948) within a compact 24 fader frame. The AWS delta has been developed to feature a new second level workflow, which establishes SSL’s benchmarking for recording consoles. All models feature plug-in compatible SuperAnalogue™ mic preamps, SSL Dynamic Channel, Legendary StudioBus Compressors, Transformer™ & IPD’s monitoring.

AWS consoles feature Ethernet connectivity for streamlined hardware control over your entire DAW environments. All models feature SSL’s new ‘delta Ctrl’ system that combines the very best of SSL console automation in the analog realm with DAW based automation workflow. AWS delta engines, ergonomic physical console with advanced SSL Dynamic control (virtual DAW transport), all the features you’d expect from Digital Control, global and channel routing control and SSL’s legendary SSL Master Bus Compressor in a format that fits perfectly within your studio environment.

The AWS is an SSL SuperAnalogue™ console, featuring the audio performance specifications that have established the benchmark by which other manufacturers are measured. Exceptionally low THD, noise floor & crosstalk levels keep your audio absolutely pristine, while SSL’s legendary headroom carries every nuance of your audio and allows engineers to mix ‘hotter’ without distortion.

Key Features

- Combination of SuperAnalogue™ console and advanced DAW Control
- NEW! ART® Delta control automation your console within your DAW like a plug-in
- SSL SuperAnalogue mix bus provides pristine audio foundation
- SSL SuperAnalogue mic pre’s provide transparent recording path
- SSL Dynamic Channel with three versatile operating modes (948 only)
- 48 inputs on AWS 948;
  - IN-LINE TRACKING = 1 mic + 1 line input per channel
  - IN-LINE MIX = 2 mono line inputs per channel
  - STEREO MIX = 1 stereo line input per channel
- Versatile Channel EQ, assignable Dynamics and SSL Master Bus Compressor
- 4-Band EQ channel with independent E/G switching of HF/LF (Stereo on 948 only)
- 5.1 Surround monitoring and Monitor calibration including Bass management
- MIDI over Ethernet multi-layer DAW monitoring control
- Digital Technology for records and Live acts
- Elegant project view via SSL’s proprietary Remote Browser and SD card storage
- SSL’s unique trademarked TOTAL RECALL™ system with TR Autoscan
- Responsible ‘green’ manufacturing and reduced power consumption
- Compact ‘eye-level’ for small control rooms

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

“AWS is an SSL SuperAnalogue™ console, featuring the audio performance specifications that have established the benchmark by which other manufacturers are measured. Exceptionally low THD, noise floor & crosstalk levels keep your audio absolutely pristine, while SSL’s legendary headroom carries every nuance of your audio and allows engineers to mix ‘hotter’ without distortion.”

David Tickle, Producer

“First and foremost, the AWS gives us super high-quality analogue summing. Add to this the SSL re-imagined automation, control room facilities, EQs, and SuperAnalogue™ mic pres 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 stands as good as and in some respects even better than a big mixing console.”

Simon Gogéni, Producer & Mixer

“...there’s no competition, because there’s nothing else like it.”

Mike Elizondo, Producer

AWS. This is SSL.
The AWS 916 & 924 continue the classic channel design of the AWS 900.

Input
The AWS 948 Channel input section features the balanced Line Inputs with +4/-20dB gain and a world class SuperAnalogue™ Mic Amp featuring continuous polar response, phase reverse and switchable +48V phantom power. An instrument-level 1/4" TRS input allows for high impedance sources such as guitars. The flip control provides the AWS console’s mic source selection and routing directly to the central console section.

EQ
DYNAMICS blocks can be re-ordered. With the DYNAMICS CHIP and CHOP routing keys, the order of the EQ, INSERT and control interaction. The INS IN switch routes the channel via the balanced Insert between a default ‘E Series’ operation and the characteristic ‘G Series’ curves and tonal characteristics.

The Basic channel features a flexible EQ section, switchable to: HPF - 18dB/Octave high-pass filter with detente bypass position. In DAW mode they default to control over channel level control but can be overridden the Master Mic/Line input selection assigned globally via DAW control. The AWS 916 & 924 feature precise L/R pan control.

Direct Channel Output (CH OP) and can also feed 8 independent Track Busses. SSL’s unique “EFX” system is present on all channels significantly enhancing creativity by allowing free assignment of send controls.

SSL’s unique “EFX” system is present on all channels significantly enhancing creativity by allowing free assignment of send controls.

Routing & Sends
Each channel has access to a main Stereo Bus (RECORD and MIX) in addition to a Stereo Bus Outputs (RECORD and MIX) and can also feed 8 independent Track Busses. SSL’s unique “EFX” system is present on all channels significantly enhancing creativity by allowing free assignment of send controls.

Cameras
The AWS 948 Channel includes a full featured Stereo channel aimed primarily at stem mixing with 4 Band EQ, HPF, Stereo Insert, Balance/Width control and parameter information for the selected analogue signal path. When the Channel V-Pot acts as the second path gain control (along with the associated SOLO/CUT switches). The V-Pots level and mute status can be controlled by the V Pot. However through “fader flip” it is possible to use the PAN/Width control. In STEREO MIX mode the PAN control becomes a stereo Width control and parameter information for the selected analogue signal path. When the Channel V-Pot acts as the second path gain control (along with the associated SOLO/CUT switches). The V-Pots level and mute status can be controlled by the V Pot. However through “fader flip” it is possible to use the PAN/Width control. In STEREO MIX mode the PAN control becomes a stereo Width control and parameter information for the selected analogue signal path. When the Channel V-Pot acts as the second path gain control (along with the associated SOLO/CUT switches). The V-Pots level and mute status can be controlled by the V Pot. However through “fader flip” it is possible to use the PAN/Width control. In STEREO MIX mode the PAN control becomes a stereo Width control and parameter information for the selected analogue signal path.

Digital Scribble Strips
The AWS 948 Channel includes a full featured Stereo channel aimed primarily at stem mixing with 4 Band EQ, HPF, Stereo Insert, Balance/Width control and parameter information for the selected analogue signal path. When the Channel V-Pot acts as the second path gain control (along with the associated SOLO/CUT switches). The V-Pots level and mute status can be controlled by the V Pot. However through “fader flip” it is possible to use the PAN/Width control. In STEREO MIX mode the PAN control becomes a stereo Width control and parameter information for the selected analogue signal path. When the Channel V-Pot acts as the second path gain control (along with the associated SOLO/CUT switches). The V-Pots level and mute status can be controlled by the V Pot. However through “fader flip” it is possible to use the PAN/Width control.
Unrivalled DAW integration

While the AWS offers a powerful large format analogue console feature set within a compact console design, it also delivers elegant hardware control over two DAW layers simultaneously. As standard, it handles a wide range of important recording, routing, mixing, and editing functions in all major DAW applications including Pro Tools™, Logic Audio™, Nuendo™, Sonar™ and many others.

**Versatile Centre Section**

- **Stereo Bus Compressor**
  - The AWS centre section stereo compressor is based on the legendary G Series Bus Compressor which has proved synonymous for the sound of the world’s best SSL mixes. It has been assigned to either the REC or MIX stereo busses. Activated, the AWS Stereo Bus Compressor features a fast attack and soft knee that is smooth and gentle to use, without compromising clarity. Boasting the famous SSL audio glue™ technology, the Stereo bus compressor provides additional transparent parallel processing for fine-tuning the stereo image.

- **Assignable Dynamics Processing**
  - Two classic SSL Channel Dynamics processing strips with separate Compressor and Expander/Gate sections can be assigned to any mono or stereo busses. The SSL G Series compressor, switchable to Peak sensing, with hard knee characteristic via the SOFT BOOT switch. The addition of SOFT BOOT improves the ability to control two DAW’s simultaneously, and a rotary encoder. This panel offers a range of control options, 'Window Select Keys' allow quick access to any currently used DAW window. Dedicated ESCAPE, ISO, SAVE and ENTER keys and a set of keyboard modifier keys beneath the keyboard for a keyboard and mouse for many DAW applications.

- **Monitoring & Metering**
  - Each track busses a dual 12-segment meter which allows DAW stereo Track Bus meters and all Cue and FX send level indication. Each channel sports a dual 12-segment meter which allows monitoring and metering. Fast attack buttons switch. Each section encompassing range, threshold, Expander/Gate button. There are separate controls 'PK' which draws the operators attention to only those channels that need adjustment. Each channel sports a dual 12-segment meter which allows monitoring and metering. Fast attack buttons switch. Each section encompassing range, threshold, Expander/Gate button. There are separate controls 'PK' which draws the operators attention to only those channels that need adjustment.

- **Communications**
  - The AWS features a comprehensive talkback facility with studio and independent centre section buttons for independent studio talkback. A further 10 buttons are available providing a collection of dedicated buttons and a rotary encoder. This panel offers a range of control options, 'Window Select Keys' allow quick access to any currently used DAW window. Dedicated ESCAPE, ISO, SAVE and ENTER keys and a set of keyboard modifier keys beneath the keyboard for a keyboard and mouse for many DAW applications.

**AWS Mixer & Environment Control**

- **DAW Transport Control**
  - The AWS Duality Control Panel includes a dedicated screen Plug-in Control wheel supports scrub and track navigation functionality. The jog/shuttle keys remove the need for a keyboard and mouse for many DAW applications. One key can control the environment of up to 5 DAW layers, including routing, zooming, navigation and selection of DAW objects. The jog/shuttle keys remove the need for a keyboard and mouse for many DAW applications.

- **DAW Input/Output Control**
  - Users can assign DAW channel levels, send levels and routing to either the REC or MIX stereo busses. Activated, the AWS Stereo Bus Compressor features a fast attack and soft knee that is smooth and gentle to use, without compromising clarity. Boasting the famous SSL audio glue™ technology, the Stereo bus compressor provides additional transparent parallel processing for fine-tuning the stereo image.

- **Solo Busses for the World’s Best Audio Engineers**
  - The AWS Solo button allows access to the plug in data in the DAW. The Duality Fader Absolute and Relative values are saved with the Duality track data when it is moved to the next track. The ‘Special’ command can be used to copy existing Pro Tools fader data to the AWS, allowing for easy integration. The ‘REVISE, MOTORS OFF and SNAP Override’ all actioned from assignable buttons. A further 10 buttons are available providing a collection of dedicated buttons and a rotary encoder. This panel offers a range of control options, 'Window Select Keys' allow quick access to any currently used DAW window. Dedicated ESCAPE, ISO, SAVE and ENTER keys and a set of keyboard modifier keys beneath the keyboard for a keyboard and mouse for many DAW applications.
AWS

Logictivity Browser Software

Onboard project data is saved to an SD Card. 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. The AWS includes 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 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. Furthermore, the AWS can connect directly to SSL X-Rack outboard for integrated X-Rack Recall.