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Avant Plus

DIGITAL FILM & POST PRODUCTION CONSOLE



Solid State Logic



MIXING SOUND TO PICTURE IS ABOUT CONTROL

CONTROL OF SCALE

A LARGE FEATURE FILM CAN INVOLVE A MASSIVE NUMBER OF AUDIO ELEMENTS CONTRIBUTING TO A SCENE. CONTROLLING THESE DEMANDS A LARGE CONSOLE AND OFTEN REQUIRES MULTIPLE OPERATORS. ATTENTION TO DETAIL IS CRITICAL, REGARDLESS OF THE SCALE OF THE MIX.

CONTROL FOR SPEED

COMMERCIALS, PROMOS, TRAILERS AND OTHER SHORTER, POST PRODUCTION CHALLENGES OFTEN DEMAND A SESSION TURN AROUND MEASURED IN MINUTES, RATHER THAN HOURS. DIGITAL PROCESSING AND INSTANT RESET ARE THE KEYS TO ACHIEVING THESE LEVELS OF PRODUCTIVITY.

INTRODUCING AVANT PLUS - THE POWERFUL DIGITAL DUBBING CONSOLE WITH A FAST, SIMPLE, DISCRETE CONTROL SURFACE PROVIDING OPERATORS WITH AN INTUITIVE INTERFACE TO FULLY DIGITAL PROCESSING. A COMPLETE SET OF SURROUND MIXING AND MONITORING TOOLS MEAN THAT FROM COMMERCIALS TO FEATURE FILMS, AVANT PLUS HAS THE POWER AND SPEED TO MEET THE CREATIVE DEMANDS THAT MODERN PRODUCTIONS REQUIRE.



AVANT PLUS - POWER, PRODUCTIVITY AND PERFORMANCE

Avant is already a proven performer for mixing sound to picture, with consoles in daily use worldwide.

Avant Plus now brings substantial benefits made possible through the implementation of Solid State Logic's latest HS Automation Computer. The complex automation of thousands of control elements is easily managed to maintain creative focus through the most elaborate scenes, while new features such as Pre-Mix Masters mean that all the action can sit under a single fader for the ultimate in control.

Fast, intuitive control

With a discrete control surface, getting to the 'right' control is easy. This reduces operator fatigue and allows a more relaxed and creative session. Combined with digital automation and reset, tasks are completed faster and with greater confidence.

Digital processing has never been more responsive

The challenge of mixing reel after reel of complex action sequences, subtle drama dialogue, or even 30 seconds of a snappy commercial, demand enormous amounts of mixing activity. Digital processing and comprehensive automation provide a means to 'set and forget' the subtlest of changes. The latest SSL HS Automation Computer maintains lightning response even under the most demanding situations.

The capacity to cope

In a complex scene it's not unknown for a film mix to consist of over 300 audio elements, simultaneously. Specialised operators may also demand individual control sections for Music, Dialogue and Effects. From a compact, single-operator console to a significant, twin-processor, three operator section 'Hollywood' style superconsole, Avant Plus has the flexibility and processing capacity to be configured for all of these challenges. Modular and shared I/O resources may also be scaled appropriately.

Comprehensive surround tools

Creating the soundscape to accompany moving pictures demands advanced surround tools. Panning for individual sources in up to 7.1 channels, and flexible monitoring to ensure that what is mixed is what is experienced, are essential. Avant Plus meets these needs. Comprehensive controls including Joysticks and the new PanPoint™ pen/tablet options provide unrivalled creative possibilities, while paddles for pec/direct selection, or buttons for bus/tape switching provide traditional and effective monitoring control.

AVANT PLUS

THE FILM DUBBING CONSOLE

• HUGE MIXING CAPACITY

FOR LARGE FILM MIXES, A TWIN PROCESSOR AVANT PLUS PROVIDES MORE THAN 400 SIGNAL PATHS, CONFIGURED AS 192 MAIN CHANNELS PLUS 192 PRE-MIX CHANNELS, BOTH WITH AUTOMATED CONTROL. THIS IS COMPLEMENTED BY A 64 INPUT MONITOR MATRIX TO PROVIDE ENOUGH CAPACITY FOR THE LARGEST PRODUCTIONS.

• DEDICATED MUSIC, DIALOGUE AND EFFECTS MIXER SECTIONS

FOR LARGE FILM PRODUCTIONS, AVANT PLUS CAN BE CONFIGURED WITH DEDICATED MUSIC, DIALOGUE AND EFFECTS MIXER SECTIONS. COMPLEX SETUPS ARE SIMPLY STORED IN THE PROJECT MANAGEMENT SYSTEM AND MAY BE RECALLED INSTANTLY WHEN SESSIONS CHANGE.

• SOPHISTICATED FILM MONITORING

AVANT PLUS FEATURES A 64 X 8 MONITOR MATRIX PROVIDING PRESET BUS/TAPE SWITCHING, RECORD ARMING FOR INSTANT RECORDER CONTROL, AND MULTIFORMAT SOURCE SELECTION FOR MULTIPLE STEM CONTEXT MONITORING. VIRTUAL PADDLES PROVIDE PAGED ACCESS TO UP TO 48 TRACK RECORD ARMS FROM ANY SINGLE SET OF 8 PADDLE KEYS, PROVIDING FAST RECORDER CONTROL DURING PRE-MIXING.

• DEDICATED PROCESSING

PROPRIETARY, DESIGNED-FOR-PURPOSE, DIGITAL SIGNAL PROCESSING PROVIDES TASK-SPECIFIC, DEDICATED MIXING TOOLS ON EVERY CHANNEL. THIS ELIMINATES THE NEED TO ASSIGN PROCESSING AT THE START OF A SESSION, AND PROVIDES RELIABLE, PROVEN AND GREAT-SOUNDING MIXES

• TRADITIONAL FILM FEATURES

DIGITAL TECHNOLOGY DOESN'T NECESSITATE MOVING FROM TRADITIONAL, EFFICIENT AND PROVEN METHODS. A UNIQUE FEATURE OF AVANT PLUS, FOR EXAMPLE, ALLOWS AUTOMATION TO BE USED IN REVERSE PLAY, ALLOWING IN-CONTEXT CHANGES TO BE AUDITIONED WHILE PROJECTION EQUIPMENT LOCATES UNDER BI-PHASE CONTROL

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AVANT PLUS

THE POST PRODUCTION CONSOLE

• POWERFUL AND COMPACT

A SCALEABLE CONTROL SURFACE ENSURES A COMPACT AND POWERFUL CONSOLE. A 24-FADER AVANT PLUS, FOR EXAMPLE, HAS TWO BANKS OF CHANNELS WHICH MAY BE ACCESSED INDIVIDUALLY OR GLOBALLY FROM A SINGLE BUTTON PUSH PROVIDING 96 MAIN AND 96 PRE DUB CHANNELS. BAY SWAPPING ALLOWS A BAY OF CHANNELS TO BE SWAPPED WITH A DESIGNATED CENTRAL MASTER BAY. THUS, CHANNELS CAN BE ACCESSED FROM THE OPTIMAL 'SURROUND SWEET SPOT' LISTENING POSITION.

• NON-LINEAR AUTOMATION

MULTI-SPEED DYNAMIC AUTOMATION OF ALL CONTROLS AND PARAMETERS PROVIDE AVANT PLUS USERS WITH TIME-SAVING TOOLS TO SIGNIFICANTLY ENHANCE PRODUCTIVITY. MIXERS CAN UPDATE SETTINGS WHILE PARKED, AND 'FILL' A SCENE BY SIMPLY LOCATING ITS END, WITHOUT HAVING TO PLAY THROUGH IN REALTIME. COMPREHENSIVE OFFLINE EDITING TOOLS ENABLE SCENES TO BE REMOVED OR INSERTED AT WILL, WHILE THE MIX IS IN PROGRESS.

• SESSION PRODUCTIVITY

PROJECT-BASED STORAGE OF ALL SESSION SETTINGS ENSURES COMPLETE AND RELIABLE RECALL, AND MAKES ARCHIVING AND RESTORING PREVIOUS WORK A SIMPLE TASK. IN CONJUNCTION WITH SNAPSHOT, THE CONSOLE MAY BE RESET FOR NEW OR REPEAT SESSIONS IN A MATTER OF SECONDS.

• SHARED RESOURCES AND INTEGRATED ROUTING

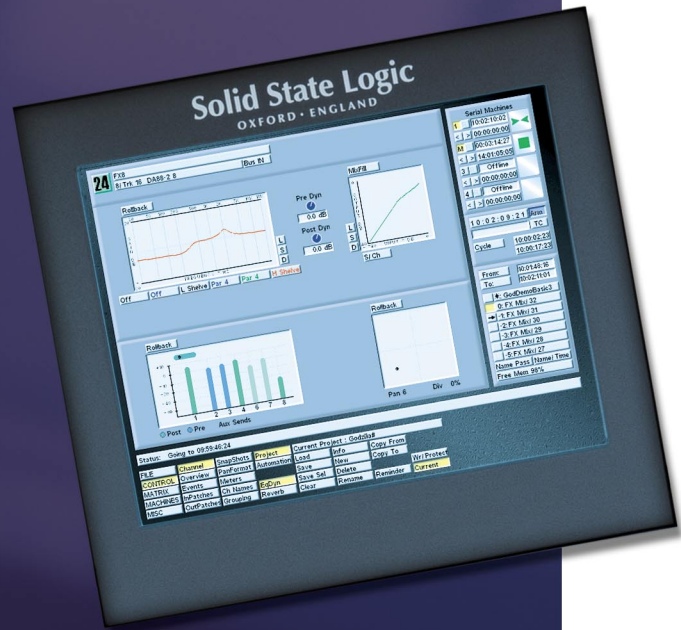
WITH AVANT PLUS, SIGNAL ROUTING IS HANDLED AS A PART OF THE SYSTEM INFRASTRUCTURE. THIS MEANS THAT IT CAN BE STORED AND RECALLED WITHIN SECONDS, AS A PART OF A PROJECT, OR SIMPLY TO CHANGE A SET-UP. ADDITIONALLY, SOLID STATE LOGIC'S HUB ROUTER FULLY MAXIMISES AVAILABLE RESOURCES IN MULTIPLE-ROOM FACILITIES, ENABLING EQUIPMENT TO BE CENTRALISED AND USED MORE COST EFFECTIVELY.

• SOPHISTICATED MACHINE CONTROL

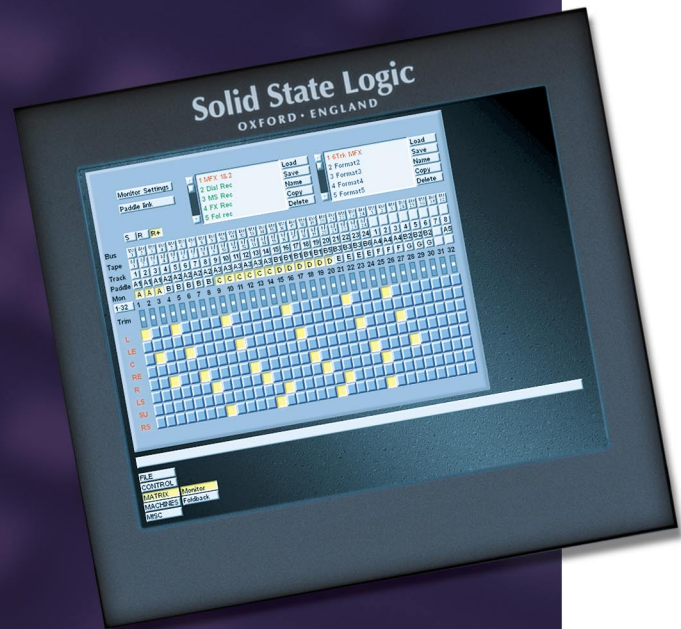
PARALLEL AND SERIAL 9-PIN MACHINE CONTROL ALLOWS AVANT PLUS TO WORK WITH TRADITIONAL TAPE MACHINES, VIDEO DECKS AND NON-LINEAR EDITING SYSTEMS.

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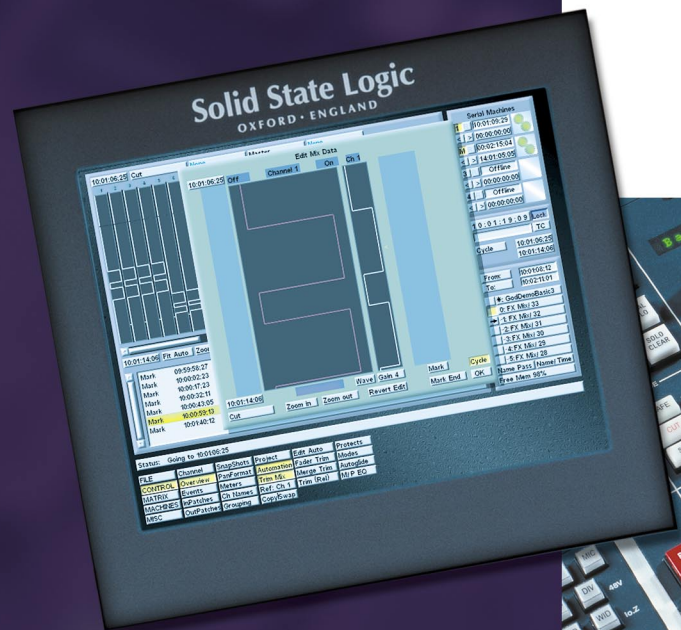




CHANNEL OVERVIEW



PROGRAMMABLE MONITOR MATRIX



OFFLINE MIX DATA EDITING

AVANT PLUS

THE FILM AND POST PRODUCTION
CONSOLE BUILT ON EXPERIENCE AND
DESIGNED FOR THE FUTURE

Channel automation

Avant Plus has fully-featured channels that provide compressor, limiter and gate, 4 band parametric EQ, high and low pass filters, and external insert point facilities. Dedicated pre dub channels provide flexible monitoring, freeing main channels and busses for layback operations. All of these signal paths and processes are fully automated to cope with the most demanding dubbing tasks.

Immediate, responsive control

Familiar knob per function control provides immediate access and feedback of all console parameters, ensuring the mix process is fast, efficient and intuitive. Channel Banking provides instant access to 2 layers of channels in a compact console frame and Bay Swapping enables any parameter on larger console surfaces to be accessed temporarily from the central sweet spot position.

Multichannel bussing and panning

Individual channels pan and bus in Mono, LR, LCR, LCRS, 5.1, 6.1 and 7.1 formats providing the ability to generate multiple stems in a variety of formats for recording and monitoring.

Comprehensive 64 x 8 monitor matrix

Fully programmable and capable of handling 64 bus/tape inputs, the console's monitor matrix provides true multi-stem 'in context' monitoring and instant recorder control. Monitor Formats and Record Presets enable the matrix to be reconfigured for different output formats or recorders at the touch of a button.

On line mix pass auditioning and instant recall

Up to 5 passes are held in temporary memory and may be auditioned on the fly by selecting the desired pass from the mix pass list. Mixes may then be stored permanently along with all other session settings for the project. This comprehensive and reliable recall provides a quick and easy method of archiving and restoring previous work, and will reset the console in seconds saving valuable session time.

EXCITING NEW FEATURES TO
BREAK CREATIVE BOUNDARIES

Pre Mix Masters™

Multiple 6 or 8 channel pre mixes can be stacked beneath individual master faders enabling a large number of pre mix channels to be 'hidden' from the main control surface and freeing channel capacity for primary audio sources.

SuperGrouper™

Using SuperGrouper™ any set of rotary controls, faders and/or switches may be freely grouped across the console. Controls may be grouped in Relative, Link, Inverse Relative or Inverse Link modes, providing fast access to a range of powerful mix tools for creating totally unique effects.

PanPoint™ Panning

Complementing its joystick control, Panpoint™ Panning from the pen and tablet provides the most comprehensive and accurate surround sound panning yet available.

INFO™ Faders

New hot-swappable INFO™ faders provide tactile identification of null points and provide operators with unsurpassed information feedback during the mixing process.



SOLID STATE LOGIC

Serving the professional audio community for over 30 years, SSL has thousands of consoles in daily use around the world. Devotees of SSL award-winning technology encompass every strand of the audio industry from eminent music recording artists and producers to the world's most prestigious broadcasters, film studios and post production facilities.

Located near Oxford, UK, SSL's headquarters are equipped with the latest production techniques that, coupled with rigorous test and Q/A procedures, ensure that every component meets demanding specifications.

On-site commissioning by SSL engineers, together with a technical support hotline service and remote diagnostics is designed to safeguard customers still further.

Complementary to the provision of on-site training, a purpose-built training school at Oxford ensures that customers' operational and engineering staff are fully conversant with SSL technological advantages.

SSL has a worldwide network of sales and service centres comprising a number of subsidiary companies supported by authorised regional distributors, all of which provide a comprehensive programme of technical support.

