

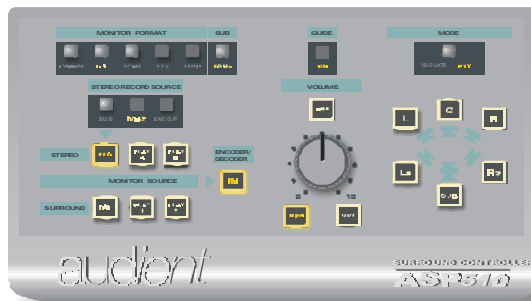
SURROUND CONTROLLER

The **ASP510** integrates easily and seamlessly with any mixing console to provide comprehensive control of the monitoring and record functions for multiple surround sound formats including: 5.1, LCRS, Dolby Surround, DVD-Video, DVD-Audio, DTS, and SACD.

- 5 preset **MONITOR FORMATS**.
- Supports three 5.1 **SURROUND** and three **STEREO** sources.
- 8 inputs from console (5.1 **SURROUND** plus **STEREO**).
- 8 outputs to recorders (5.1 **SURROUND** plus **STEREO**).
- Switchable **ENCODER/DECODER** insertion.
- 6 speaker outputs, each with **LEVEL TRIM**.
- Individual speaker **CUT/ISOLATE** functions.
- Universal console **SOLO** and **MONITOR** system interface.
- User definable Monitor **REFERENCE** and **DIM** levels.
- Internal **PINK NOISE** generator.
- **GUIDE** track input.
- Ergonomic control surface with clear status indication.
- Easy system integration.
- State of the art performance.

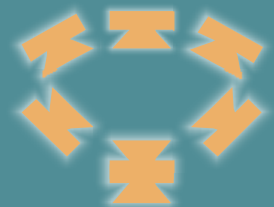
APPLICATIONS

Surround sound music production.
 DVD-V and DVD-A authoring.
 Film and Video Post-Production.
 Film Production and Foley.
 SACD authoring.
 DTS authoring.
 Video games production.
 Digital television.
 Audio visual production.
 Multi-channel OBs.



surround

ASP510
SURROUND SOUND CONTROLLER



SPECIFICATIONS

Nominal levels +4dBu
 Maximum input > +20dBu
 Maximum output > +20dBu

Frequency response +/-0.25dB
 22Hz -22kHz

THD and noise <0.003%
 @+4dBu, 1kHz

Noise <-96dB
 22Hz - 22kHz

Crosstalk(Source/source)>80dB
 1kHz

Channel matching +/-0.25dB
 0 to-47.5dB

System interfaces:

25pin D-type females for:

5.1 Surround play A and B
 5.1 Surround bus inputs
 Stereo record/transmission & play
 Console interface
 Decoder

25pin D-type males for:

5.1 Surround record A and B
 Speaker outputs
 Encoder

RJ45 for remote/rack link.

Sizes:

Rack unit: 1U x 280mm
 Remote: W 230mm
 D 120mm
 H 40mm

Power requirements:
 115/230v @ 50-60Hz (50VA)

COMPATIBLE WITH



Dolby Digital and Dolby Surround are trademarks of Dolby Laboratories Incorporated.

SACD is a trademark of Sony Corporation

DTS is a trademark of Digital Theatre Systems Inc.

The ASP510 comprises a single height rack unit and a small desk-top remote. It handles all of these tasks:

Selection of 5 preset MONITOR FORMATS : 5.1, LCRS, STEREO, MONO and BYPASS allowing surround monitoring to be 'collapsed' into 4, 2 or 1 channel formats all with the correct down-mix coefficients for instantaneous compatibility checks. The BYPASS switch allows the main Left and Right monitor speakers to be fed directly by your mixing console control room outputs when you are not working on a surround project.

Integration of your console solo logic system so that the surround monitor system can detect and insert soloed signals exactly as you're used to. The ASP510 even has a remote DIM input so that your console can continue to DIM the monitors when talkback is active.

Individual CUT and ISOLATE switches for each of the six monitors. This makes for easy calibration of the monitor system using the programmable Monitor REFERENCE and DIM utilities along with the internal Pink Noise generator.

Insertable 80Hz sub-bass filter to allow accurate LFE monitoring.

Selection of up to six MONITOR SOURCES:

- SURROUND REC** - The 6 console bus outputs used to derive the surround mix.
- SURROUND PLAY A** - Surround input A (normally the return from multi-channel recorder A)
- SURROUND PLAY B** - Surround input B (normally the return from multi-channel recorder B)
- STEREO REC** - The source being used to derive the stereo mix.
- STEREO PLAY A** - Stereo input A (normally the return from stereo recorder A)
- STEREO PLAY B** - Stereo input A (normally the return from stereo recorder B)

Selection of the STEREO RECORD SOURCE as either the console stereo bus outputs, a downmix of the surround buses or the output of a Dolby Surround Matrix encoder allowing the creation of simultaneous Surround/ Stereo or Surround /LtRt recordings and outputs - great for creating a quick client stereo copy.

Insertion of a GUIDE or Production source into the monitoring without it feeding any of the mixes - invaluable when mixing music and dialogue .

Insertion of a Dolby Surround ENCODER AND DECODER into the monitor path to allow proper preparation of encoded material.

And of course the ASP510 does all this while still maintaining the cleanest possible signal path. All switching is via sealed bifurcated contact relays and gain control is implemented using Digitally Controlled Attenuators - just what you would expect from Audient Analogue Signal



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