



RJM & Associates, LLC
Broadcast Solutions

Data Sheet

SoundPals ASDM-8 Auto-Sensing HD/SD SDI to Analog Audio De-embedder



The power supply is sold separately

Key Features

- Active looping input
- 8 line-level analog outputs
- 2 channel headphone output with independent volume control
- AES/EBU group and channel selectors
- Compact size: 5.2"W x 1.62"H x 6.625"D (15.2x4.1x16.8 cm) less connectors

RJM and Associates produces the ASDM-8 HD Audio de-embedder which offers the user an economic yet versatile means of ingesting the various digital video standards and de-embedding up to eight channels of analog audio at line level.

The unit auto-senses the video format (HD or SD/SDI) that is applied to the looping input.

All eight line-level outputs are available on Phoenix connectors at the rear of the unit. Provision is made for two-channel headphone monitoring along with embedded group and channel selection.

Like all of the SoundPals line, the ASDM-8 is housed in a compact, rugged aluminum enclosure.

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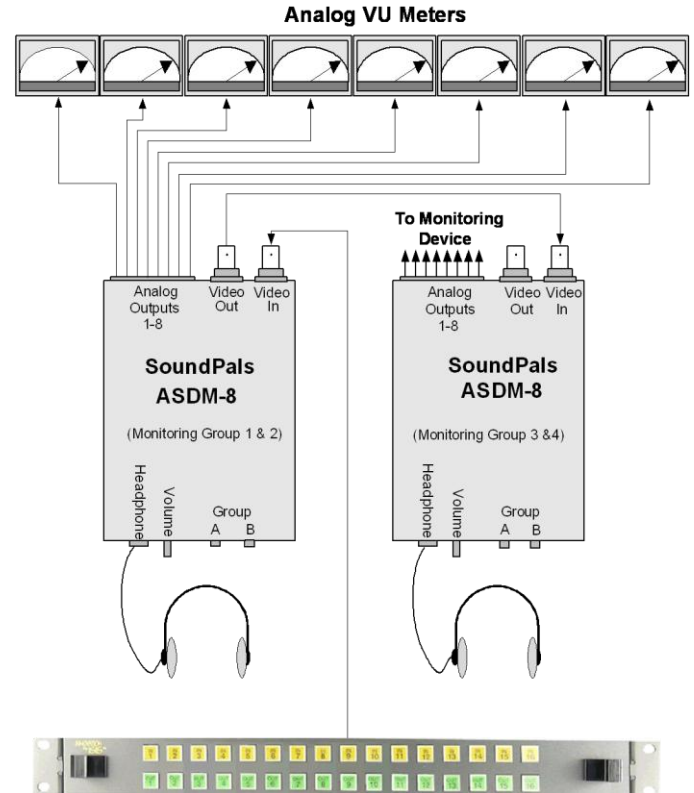
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Technical Data	
Video Input:	
Video with embedded audio	SMPTE 259M / SMPTE 292M
Impedance	75Ω
Amplitude	800mV ± 10%
Equalization	>300M Belden 1694A @ 270 Mbps >100M Belden 1694A @ 1.485 Gbps
Data Rate	270MBPS, 1.485Gbps or 1.485/1.001 Gbps
Input Return Loss	<15dB
Video Formats	1125/60, 1080i, 1080p (except 1080p 50/60), 720p, 525/59.94, 625/50
Standards	SMPTE 260M, 274M, 295M, 296M, 259M, 125M
Audio:	Digital:
Sample Rate	48kHz Synchronous to Video
Resolution	24 bits before D to A conversion
Embedded format	SMPTE 299M / SMPTE 272M
Audio:	Analog Out:
Impedance, balanced	30Ω
Impedance, unbalanced	15Ω
Level, balanced	+4dBu at -20 dBFS, Adj ± 4dB
Level, unbalanced	-2dBu at -20 dBFS
Max output	+24dBu, bridging load +22dBm, 600Ω load
THD+N	-86dB at max output
Dynamic range	>96dB
Frequency response	+0, -0.2dB 20Hz to 20KHz
Headphone out:	
Min Load	20Ω
Dynamic range	>91dB
Options	
RT-2	1RU rack tray for mounting up to 3 units, with power supply
PSU-1	90-260V 50/60Hz in-line power supply, with detachable IEC power cord

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Application Diagrams

There are many uses for SoundPals in music recording, radio or television broadcasting, DVD/CD/CR-ROM mastering, and video production and post-production.



In this application, the INNOVATION HD-SDI routing switcher is fed to the first ASDM-8 SoundPal, which is selected to monitor Group 1 & 2 and drive the eight Analog Meters. The video signal is then fed from the active video output connector to the second ASDM-8 which is selected to monitor Group 3 & 4. The eight analog audio signals are then fed to a monitoring device. Both ASDM-8 SoundPals have a set of headphones connected to them, making it easy for the operator to monitor any stereo pair of the four groups.

