

# AMPx-E8 Series

## 8-Channel Dolby Audio Monitors



Advanced 8-channel dual 3G/HD/SD-SDI embedded Dolby D, E, DD+, and AES audio processor with metering and alternate undecoded Dolby, AES and analog inputs.

The AMPx-E8 Series monitors are the world's first in-rack audio monitors capable of outputting and/or displaying encoded, multi-channel (up to 8 channels) audio from Dolby E®, Dolby Digital®, or Dolby Digital Plus®, streams de-embedded from either 3G/HD/SD-SDI without prior Dolby encoding.

The ability to switch seamlessly between encoded or discretely embedded sources, in addition to providing full, simultaneous demuxed output of the multichannel source, offers a significant new operational capability in a single monitor unit.

These units feature 3 audiophile-quality drivers, and 3 power amplifiers; 2 speakers and amplifiers reproduce midrange and high frequency information in stereo, while a third amp/driver combination handles summed LF information below the 500Hz crossover point.

Extended HF response reveals potential problems with audio whine or hiss and electronic, rather than acoustic, cancellation of bass frequencies provides positive audible detection of reversed polarity audio feeds.

### Features

- Front panel summing of any combination of up to 8 channels to the left and/or right speakers and selected analog outputs
- Powerful 104dB SPL at 2 feet (0.6m)
- Excellent frequency response and low distortion
- Phase correlation display of selected channels
- Eight 53-segment tri-color LED bar graphs display simultaneous VU and PPM

### Benefits

- Select the channel or channel pair that you want in the left, right, or both speakers, or select a predefined downmix.
- 4 presets let you change the entire system configuration with the press of a single button.
- Separate brightness adjustments for left and right level meters.
- Decodes, monitors, and plays decoded Dolby E, D, or DD+ bitstreams.
- Display phase indication with the press of a single button.
- LED screen displays phase, signal type, (3G/HD/SD-SDI group for the MDA models), Dolby program, and more.



### Order Part Numbers

AMP1-E8-MDA: 8102-0070 (1RU: Analog, AES, Dolby E, D, DD+, and 3G/HD/SD-SDI)

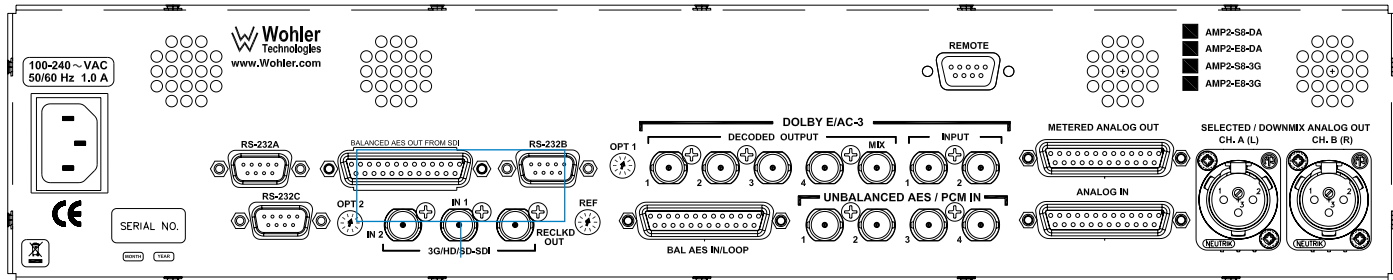
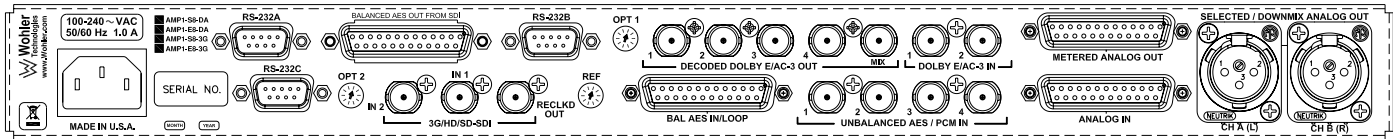
AMP2-E8-MDA: 8102-0080 (2RU: Analog, AES, Dolby E, D, DD+, and 3G/HD/SD-SDI)

AMP2-E8DA: 8102-0010 (2RU: Analog, AES, and Dolby E, D, and DD+)

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### Rear Panels



The SDI connectors are not available on the AMP2-E8DA model.

### Specifications

	AMP1-E8-MDA	AMP2-E8DA	AMP2-E8-MDA
Common Inputs	4 AES/PCM [BNC] 8 Channels AES Balanced (1 DB-25) 2 Dolby D, E, DD+ (on BNC) 8 Channels Analog (1 DB-25) 3 RS-232 (DB-9)		
Unique Inputs	2 3G/HD/SD-SDI [BNC]	N/A	2 3G/HD/SD-SDI [BNC]
Common Outputs	4 Unbalanced AES (on 1 HD-15) (Replaceable option: 1 balanced AES on DB-25) 5 Decoded Dolby E, D, DD+ (on BNC) 8 Channels metered Analog (1 DB-25) 2 Selected downmix Analog (2 XLR)		
Unique Outputs	1 Reclocked 3G/HD/SD-SDI [BNC]	N/A	1 Reclocked 3G/HD/SD-SDI [BNC]
Dimensions (H x W x D)	1.75" x 19" x 11" (4.5 mm x 483 mm x 30 mm)	3.5 x 19 x 12" (89 x 483 x 305mm)	
Shipping Weight	13 lbs. (5.9 kg)	22 lbs. (9.98 kg)	
Space Requirements	1RU in a standard 19" rack	2RU in a standard 19" rack	
Power Requirements	Mains power (100 to 240 VAC ± 10%, 50/60Hz).		
Power Consumption	Approximately 60 W		
Power Output	RMS each side (4 W) - 10W, 14W peak RMS center woofer (4 W) - 25W, 35W peak		
Level Meter Resolution	0 to -66 dB in 53 segments		
Level Meter Scaling	Simultaneous VU and PPM		
Peak Acoustic Output at 2 feet	104 dB SPL		
Acoustic Frequency Response	80Hz - 16kHz (±5 dB) (-10dB @ 40Hz, 20kHz)		
Hum and Noise	Better than -68 dB below full output		
AES Input Termination	110 W balanced, 75 W unbalanced		
Analog Input Impedance	>40k Ω balanced		
SDI Input Impedance	75 W unbalanced	N/A	75 W unbalanced
Electrical THD	<0.15% at any level below limit threshold		

[View the complete list of specifications online at wohler.com](http://www.wohler.com)

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