

AMP2-16MSDI™ CONFIGURABLE AUDIO MONITOR

PRELIMINARY



Wohler Solutions:
Unsurpassed Quality, Service,
and Value Delivered by the
Leader in Broadcast Monitoring
Applications

The AMP2-16MSDI from Wohler Technologies is our latest solution offering 16 channel, multi-rate SDI audio monitoring with Dolby capability.

The AMP2-16MSDI represents leading edge technology and features. The aural fidelity of our most popular models have been improved with a ClassD digital amplifier system to drive the integrated speakers and sub-woofer. 16 channels of embedded HD/SD-SDI audio can be selected for simultaneous display, and concurrently monitored on an innovative LCD screen that is easily user configured for bargraph meter look, scale and ballistics. All popular scales are available on screen, at the touch of a button. Gone are the days of stick on labels.

Any chosen signal can be routed to either the left, right or both speakers

for stereo or mono applications.

All serial audio channels are de-embedded and available on the rear panel as 8 unbalanced AES signal pairs. A reclocked loop out provides a ninth output, allowing the AMP2-16MSDI to be racked with a series with video monitors.

The operational feature set of the AMP2-16MSDI is unmatched! This unit provides instant access to solo monitoring of individual channels or gangs. When the solo function is enabled, each channel selected is highlighted for easy identification, while all other channels remain active for visual evaluation. Power tools like loudness measurement complies with ITU-1770, and delay-to-match LCD monitor and ingest process are included.

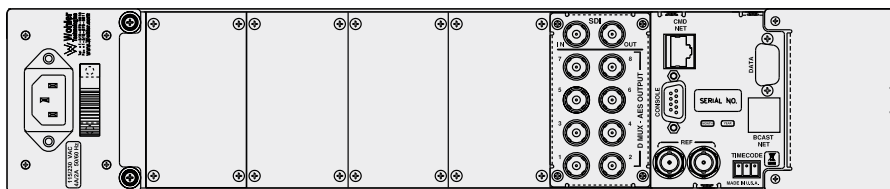
Monitoring of encoded Dolby (Dolby D/E) is an available option and adds even more tools to the AMP2-16MSDI.

FEATURES

- MONITORING FOR UP TO 16 CHANNELS OF EMBEDDED AUDIO IN A SINGLE MULTI-RATE SDI SIGNAL
- TOTALLY DIGITAL SYSTEM ARCHITECTURE WITH HIGH FIDELITY CLASS D AMP
- STEREO OR MONO MONITORING AS ASSIGNMENT TO SPEAKERS
- PLACE ANY INPUT ON THE LEFT OR RIGHT SPEAKER
- RECLOCKED LOOP OUTPUT OF SDI SIGNAL
- INCLUDES DEMUX OUTPUTS FOR 8 AES PAIRS ON UNBALANCED 75Ω BNC
- CREATE AND STORE 4 USER DEFINED OPERATION CONFIGURATIONS
- MEASUREMENT OF LOUDNESS AND DIAL NORM DATA CAN BE PROMINENTLY DISPLAYED ON LCD SCREEN
- STEREO PHASE INDICATOR FOR STEREO PAIRS
- COMPACT 2RU SYSTEM

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PREMIER PRODUCTS



TECHNICAL SPECIFICATIONS

Level Meters	User defined on the LCD display
Level Meter Scale	210 segments, configurable
Reference	Configurable
Level Meter Representation	Simultaneous VU & PPM, configurable
Ballistics	Configurable
Midscale Resolution	1 dB
Peak Acoustic Output @ 2 Feet	104 dB SPL
Power Output	RMS each side (6 ohms) - 9W, 12W peak, RMS center WOOFER (4 ohms) - 22W, 60W peak
Frequency Response (1/6 Octave)	80 Hz - 16 kHz (±5 dB) [-10 dB @ 40 Hz, 20 kHz]
HD/SD-SDI Input Termination	75 ohms unbalanced
Hum and Noise	better than -68 dB below full output
Electrical Distortion	<0.15% at any level below limit threshold
Acoustic Distortion	6% or less worst case frequencies above 140 Hz including cabinet resonance, typically <1.5%
Magnetic Shielding	<2.0 Gauss any adjacent surface
Power Consumption (Max.)	(Max.) 150W
Dimensions (H x W x D)	3.5 x 19 x 12.63 (inch), 89 x 483 x 321 (mm)
Weight (Approx.)	19 lbs / 8.6 kg
Power Supply	100 to 240 VAC, 50/60 Hz universal input

*Specifications and features subject to change. 1/09

BENEFITS

→ **Highly Configurable** – The AMP2-16AES is a truly adaptable product. You can customize practically every function to best meet your needs.

→ **Superior Display** – A color LCD wide-screen not only allows you to customize colors for easy monitoring but also displays up to sixteen high-resolution bar-graph level meters.

→ **Unsurpassed Control** – You decide how your audio is handled with extensive settings for meter display, channel routing to the speakers and output connectors, mute functions, loudness, and other parameters.

→ **Rich Metering Display** – Each displayed meter can feature stereo phase indication, user-defined channel labeling, and selectable scales and ballistics, such as AES, BBC, and Nordic. A custom setting allows user-defined limits and colors.



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