The leading choice of broadcasters worldwide, Wohler’s re-imagined AMP2-16V could be the last audio monitor you will ever need. The open architecture design, superb quality, upgradeability and ease-of-use is why broadcasters consistently choose the AMP2-16V for their most demanding applications.

Since we invented the in-rack audio monitor, we have not stopped improving it—and the world’s best selling and most powerful monitor now offers an even broader set of critical audio management tools. Monitor and analyze all of your audio and video feeds from one compact, convenient and easy to use workstation. It’s the best we’ve ever designed and built.

Benefits
- Full 16 channels of simultaneous, mixed-format audio metering and management
- Customize two large high resolution LCD screens to display application specific audio/video data
- 32 presets enable complete reconfiguration of the entire unit with a single button press
- Added support for SMPTE2020 metadata handling, audio delay and loudness monitoring
- Mix, sum and route program audio live without the need for separate audio console
- Save and copy system presets to other units via Ethernet or Serial connection to PC

Features
- Monitor, mix, route and fully manage SDI embedded audio, AES, analog or even TOSLINK sources
- Ability for re-embedded audio in SDI output
- Dual high resolution LCD screens with auto-detecting 3G/HD/SD-SDI video
- 16 Hot Keys enable one touch access to critical functions
- Fully customizable level meters including scale, color, range, thresholds and more
- Single screen view of 16 channel meters/clusters, phase indication, loudness, Dolby presence and Hot Key assignments
- Menu lockout function and redundant power supplies for secure transmission chain operation (optional)
- “SuperPair” feature offers additional channel pair (17, 18) to monitor additional two
AMP2-16V  16-CHANNEL AUDIO/VIDEO PROCESSING MONITOR

AMP2-16V-M  16 channel dual input, 3G/HD/SD-SDI, audio with video monitor, 2RU
AMP2-E16V-M  16 channel dual input, 3G/HD/SD-SDI, audio with video monitor, Dolby D & E, 2RU

Block Diagram

3G/HD/SD-SDI Audio/Video De-Embedder/Re-Embedder
16 Channel 3G/HD/SD-SDI dual input Audio/Video module with 8 de-muxed AES output pairs from SDI

AES Output Card
8 pair (16-channel) AES audio output module

AES Input Card
8 pair (16-channel) AES audio input module

Analog I/O & TOSLINK Card
8 Channel Analog inputs on DB-25; 8 Channel Analog outputs on DB-25. Also includes optical TOSLINK input.

Dolby Decoder Card
Field upgrade for non-Dolby units. AMP2-16V models support 1 Dolby D/E/DD+ daughter card

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (W x H x D)</td>
<td>19” x 4.5” x 15” (483 mm x 89 mm x 381 mm)</td>
</tr>
<tr>
<td>Shipping Weight / Net Weight</td>
<td>23 lbs. (10.4 kg) / 18 lbs. (8.16 kg)</td>
</tr>
<tr>
<td>Level Meter Resolution</td>
<td>310 segments</td>
</tr>
<tr>
<td>Level Meter Scaling</td>
<td>AES • VU • Ext. VU • BBC • EBU • Nordic • DIN • Custom</td>
</tr>
<tr>
<td>Level Meter Parameters</td>
<td>Range • Threshold • Reference • Segment Colors • Ballistic • Pairwise Phase Indicators Limits • Lower Scale Compression • Arbitrary Phase Indicators</td>
</tr>
<tr>
<td>Loudspeaker Power</td>
<td>15 W per speaker</td>
</tr>
<tr>
<td>Acoustic Frequency Response</td>
<td>± 5 dB between 60 Hz and 16 kHz (-10 dB at 50 Hz, 20 kHz)</td>
</tr>
<tr>
<td>AES and SDI Input Termination</td>
<td>75 Ω Unbalanced</td>
</tr>
<tr>
<td>Analog Input Impedance</td>
<td>40k Ω</td>
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<tr>
<td>Noise</td>
<td>Better than -75 dB below full output</td>
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<tr>
<td>THD</td>
<td>&lt;0.15% at any level below limit threshold</td>
</tr>
<tr>
<td>Power Requirements</td>
<td>100 V to 240 V AC ± 10%, 50/60 Hz</td>
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<tr>
<td>Power Consumption</td>
<td>150W maximum</td>
</tr>
</tbody>
</table>

View complete list of specifications online at www.wohler.com

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