

# AMP1A-PLUS

## 2-Channel Analog AudioMonitor



### 2-channel analog audio monitor, 1u

The AMP1A-Plus monitor provides self-powered, full fidelity stereo audio monitoring of 2 analog channels (1 stereo pair) in the smallest rack space possible. It contains four high performance transducers driven by three power amplifiers: one amplifier/driver combination handles midrange and high frequency information in stereo, while the second handles summed low frequency information below the 500 Hz crossover point.

The unique design provides optimally focused sound for operators in an ultra near field (1 to 3 ft.) working environment and offers performance comparable to that of many separate monitor pairs, yet does so without the installation hassles, awkward speaker placements and “added-on” look. This provides for a higher SPL for the operator while reducing overall ambient sound and adjacent bay crosstalk.

Extended HF response reveals potential problems with audio whine or hiss. Electronic rather than acoustic cancellation of bass frequencies provides positive audible detection of out-of-phase (reversed polarity) audio feeds. A headphone jack is provided on the front panel; usage automatically mutes the speakers.

#### Features

- Full fidelity audio monitoring in only 1RU
- Premium quality drivers and power amplifiers
- Two balanced analog Inputs with loop-through (1 stereo)

#### Benefits

- Thorough magnetic shielding allows placement next to video monitors.
- Extended Frequency Response and Low Distortion provide excellent reproduction.
- Audible indication of phase/polarity provides instant information.



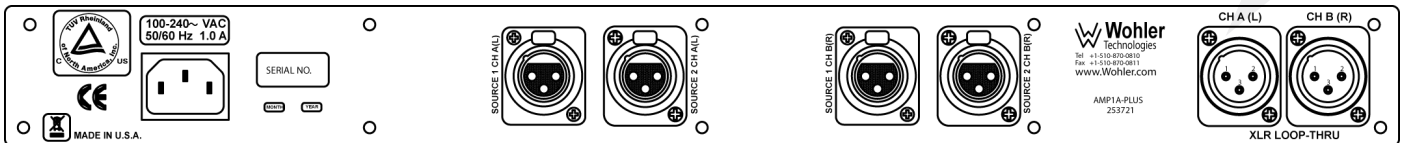
Order Part Numbers

AMP1A-Plus: 8100-0320 (no level meters)

# 2-Channel Analog Audio Monitor

AMP1A-Plus

## Rear Panel



AMP1A-PLUS

## Specifications

|  |  |
|--|--|
| <b>Inputs</b>                              | <b>4 balanced analog on XLR (left &amp; right)</b>   |
| <b>Outputs</b>                             | <b>2 analog audio on XLR (left &amp; right)</b>  |
| <b>Power Requirements</b>                  | <b>Mains Power 100 to 240 VAC 10%, 50/60Hz</b>   |
| <b>Power Consumption</b>                   | <b>Approximately 35W</b>   |
| <b>Supplied Accessories</b>                | <b>AC power cord</b>   |
| <b>Peak Acoustic Output at 2 feet</b>      | <b>98 db SPL</b>   |
| <b>Power Output</b>                        | <b>10W transient /5W continuous 20 W transient /10</b>   |
| <b>Acoustic Frequency Response</b>         | <b>80 Hz to 16 kHz <math>\pm</math> 7 db (-10db @ 50 Hz to 22 kHz)</b>                                   |
| <b>Hum &amp; Noise</b>                     | <b>Better than - 68 dB below full output</b>   |
| <b>Analog Input Impedence</b>              | <b>40k <math>\Omega</math> &gt; Balanced</b>   |
| <b>Distortion, Electrical</b>              | <b>&lt; 0.15% at any level below limit threshold</b>   |
| <b>Distortion, Acoustic</b>                | <b>8% or less at worst case frequencies above 180 kHz including cabinet resonance; typically &lt; 2%</b> |
| <b>Magnetic Shielding</b>                  | <b>&lt; 1 Gauss any adjacent surface</b>   |
| <b>Dimensions (W x H x D) &amp; Weight</b> | <b>19" x 1.75" x 10" Weight: 8lbs</b>  |
| <b>Shipping Dimensions &amp; Weight</b>    | <b>23" x 12"x 6" Weight:10lbs</b>  |

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