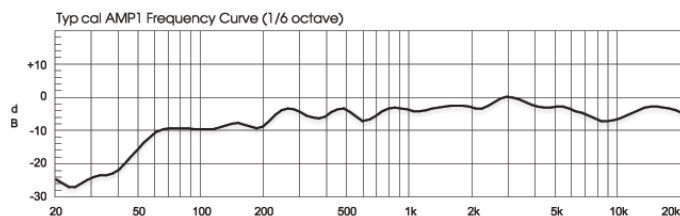


World Leader • In-Rack • Audio & Video Monitoring

# WOHLER AMP1A

Compact, High Quality Analog Self-Powered Speaker System - 1 Stereo Channel

January 14, 2004



## Features:

- Full Fidelity Audio Monitoring in only 1U of rack space
- 2 Balanced Analog Inputs with Loop-Through (1 Stereo)
- 2 Unbalanced Analog Inputs (1 Stereo)
- Use Either Balanced or Unbalanced Inputs
- Powerful 98dB SPL at 2 feet (0.6m)
- Premium Quality Drivers & Power Amplifiers
- Extended Frequency Response and Low Distortion
- Focused Sound, Reduces Adjacent Bay Crosstalk
- Audible Indication of Phase/Polarity Problems
- Thorough Magnetic Shielding for Placement next to Video Monitors
- Headphone Jack, Mutes Speakers
- Blowout Proof Speakers
- Quick and Simple Installation

The AMP1A provides self-powered, full-fidelity stereo audio monitoring of 2 analog channels (1 stereo channel) in the smallest rack space possible. This unit 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 and 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. Output limiter circuits are incorporated to protect the speakers, and extensive magnetic shielding allows placement immediately adjacent to video monitors with no color impurities.

The AMP1A is ideally suited for use in VTR bays, mobile production vehicles, teleconferencing installations, multimedia systems, satellite link and cable TV facilities, and on-air radio studios. Built and rigorously tested in the USA, the AMP1A is backed by a strong warranty and a "Satisfaction Guaranteed" return policy.

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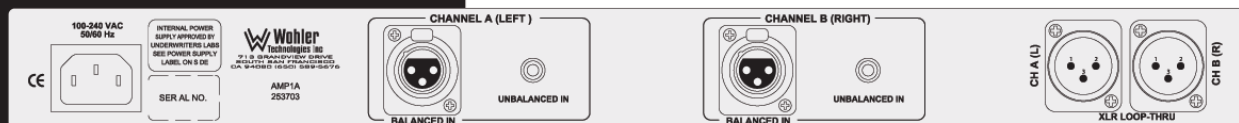
Video Monitoring

**Wohler**

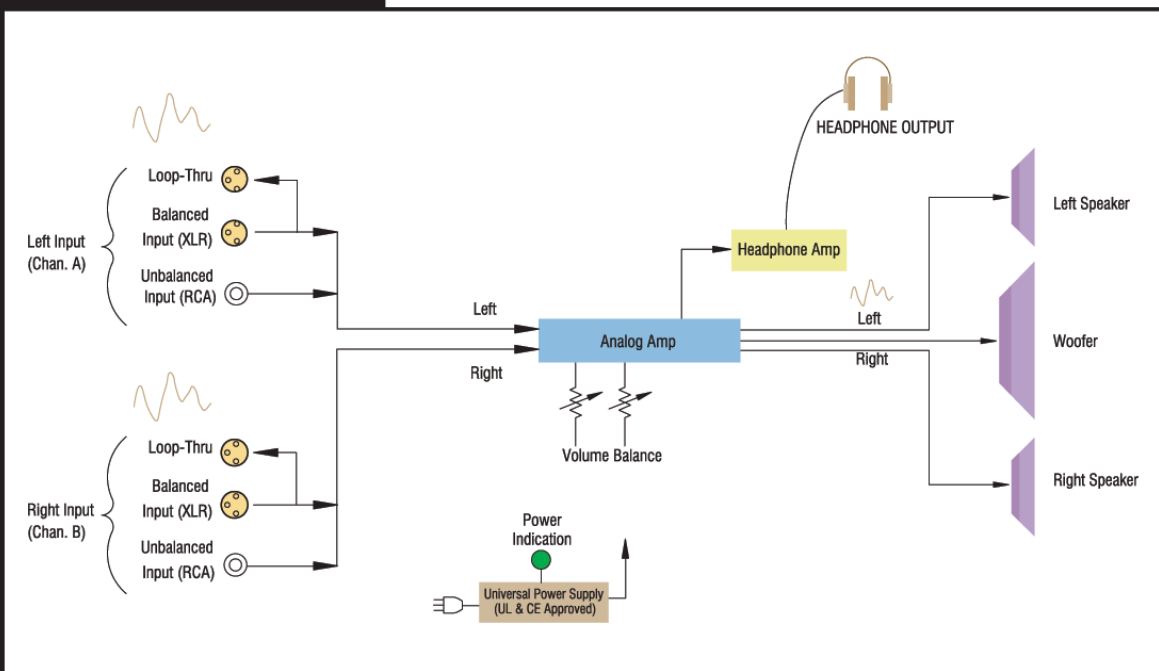
# WOHLER AMP1A

Compact, High Quality Analog Self-Powered Speaker System - 1 Stereo Channel

## Rear Panel:



## System Diagram:



## Specifications:

Input ..... 1 stereo balanced or unbalanced analog - XLR / RCA

Output ..... loop-through of balanced analog input - XLR

Analog input impedance ..... >40 kOhms balanced  
10 kOhms unbalanced

Peak acoustic output @ 2 feet ..... 98dB SPL

Frequency response (1/6 octave) ..... 80Hz - 20kHz ( $\pm 5$ dB)  
(-10dB @ 50Hz, 22kHz)

Power output ..... RMS each side (2 Ohms) - 5W, 7W peak  
RMS dual WOOFER (4 Ohms) - 11W, 16W peak

Electrical distortion ..... <0.15% at any level below limit threshold

Acoustic distortion ..... .8% or less worst case frequencies above 180Hz including cabinet resonance, typically <2%

Hum and noise ..... better than -68dB below full output

Magnetic shielding ..... <0.5 gauss any adjacent surface

Power consumption (AVG. MAX.) ..... 30W

Dimensions (HxWxD) ..... 1.75 x 19 x 12" (44.5 x 483 x 305mm)

Weight (approx.) ..... 7lbs (3.17kg)

Power supply ..... 100 to 240VAC, 50/60Hz universal input  
CE and UL approved

All specifications are subject to improvement