

**AMP1A-VTR2**

**AMP1-V2DA**

**AMP2-VSDA**


## Description

The AMP V Series monitors provide self-powered, full fidelity stereo audio monitoring. These units feature four LED level meters showing simultaneous VU and PPM for accurate level-metering of all four input sources from the selected input group. These units contain high performance transducers driven by three power amplifiers: one amplifier/driver combination handles midrange and high frequency information, 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. 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. The front panel features an innovative LED display of phase/polarity relationships. 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 AMP V Series monitors are 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.

## Order Part Numbers

AMP1A-VTR2:	8100-0170
AMP1-V2DA:	8101-0040
AMP2-VSDA:	8103-0120

## Features

Tri-color level meters displaying simultaneous VU and PPM

Eight balanced analog inputs

Independent selection of 2 from 4 mono sources to left and right outputs

Balanced analog output of 2 selected sources

## Benefits

Premium quality drivers and power amplifiers provide excellent reproduction

Focused sound reduces adjacent bay crosstalk

Thorough magnetic shielding for placement next to video monitors

Powerful 98dB SPL at 2 feet (0.6m)

Innovative LED display of phase/polarity relationships

Headphone jack mutes speakers

Blowout proof speakers

Extended frequency response and low distortion

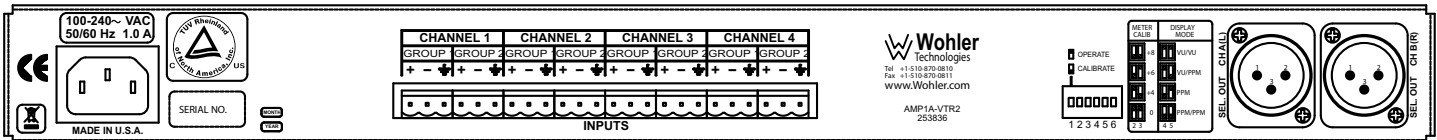
Audible Indication of phase/polarity problems

Full fidelity audio monitoring

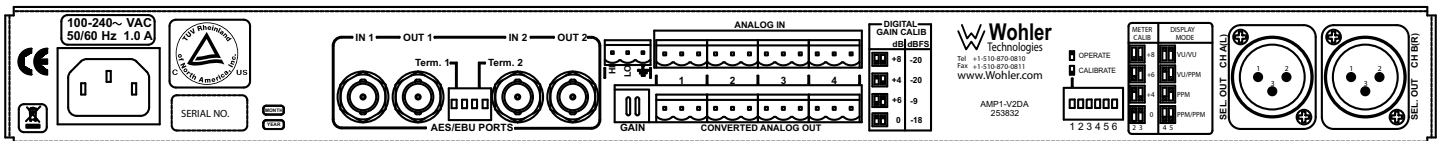
Quick and simple Installation

## Rear Panels

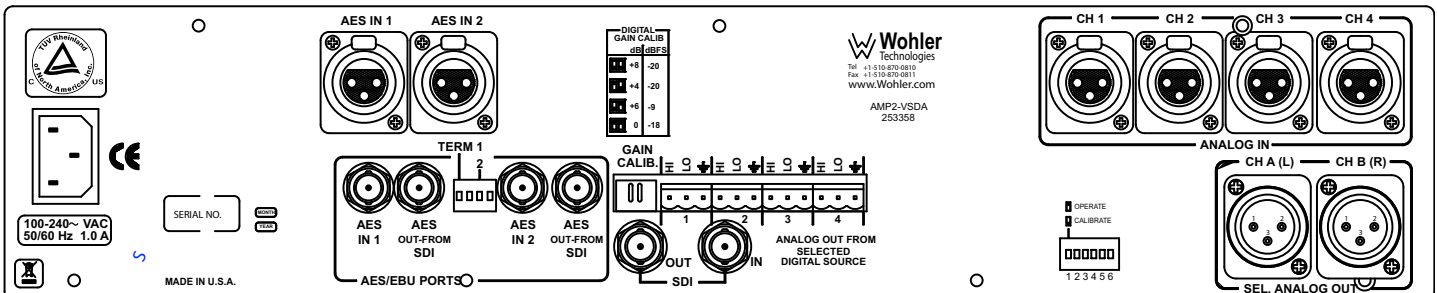
AMP1A-VTR2



AMP1-V2DA



AMP2-VSDA



## Physical Specifications

Specification	AMP1A-VTR2	AMP1-V2DA	AMP2-VSDA
Dimensions (H x W x D)	1.7" H x 19" W x 12" D (43 mm x 483 mm x 305 mm)		3.5" H x 19" W x 12" D (89mm x 483mm x 305mm)
Shipping weight	10 lbs (4.5 kg)		18 lbs (8.16kg)
Space requirements	1RU		2RU
Supplied accessories	AC power cord		
Power requirements	Power to the unit is 100 to 240 VAC ± 10%, 50/60Hz.		
Power consumption	35 W		45 W

## Inputs and Outputs

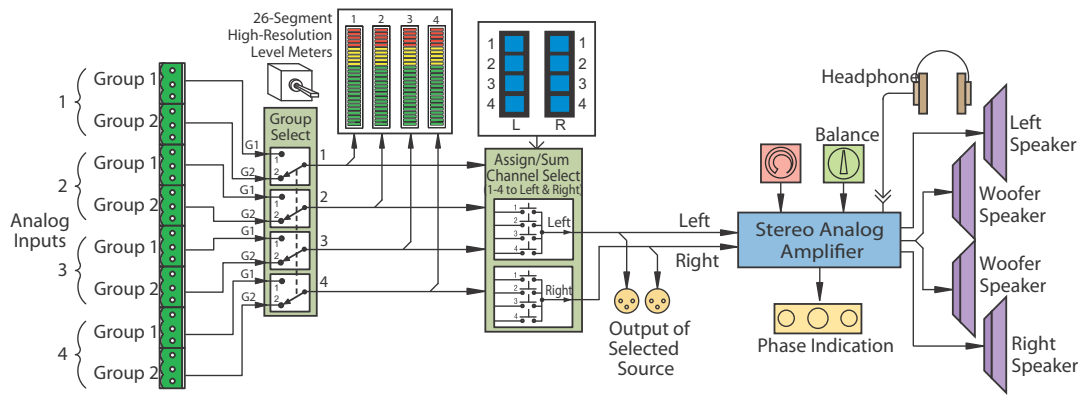
Connectors	AMP1A-VTR2	AMP1-V2DA	AMP1-VSDA
Inputs	8 analog (Phoenix)	4 analog (Phoenix) 2 AES (BNC)	4 analog (XLR) 2 AES (BNC) 2 AES (XLR) 1 SDI (BNC)
Outputs	2 analog audio on XLR (left & right)	2 analog audio on XLR (left & right) 2 AES (BNC)	2 analog audio on XLR (left & right) 2 AES out from SDI (BNC) 1 analog out from selected digital source (BNC) 1 SDI Re-clocked

## Technical Specifications

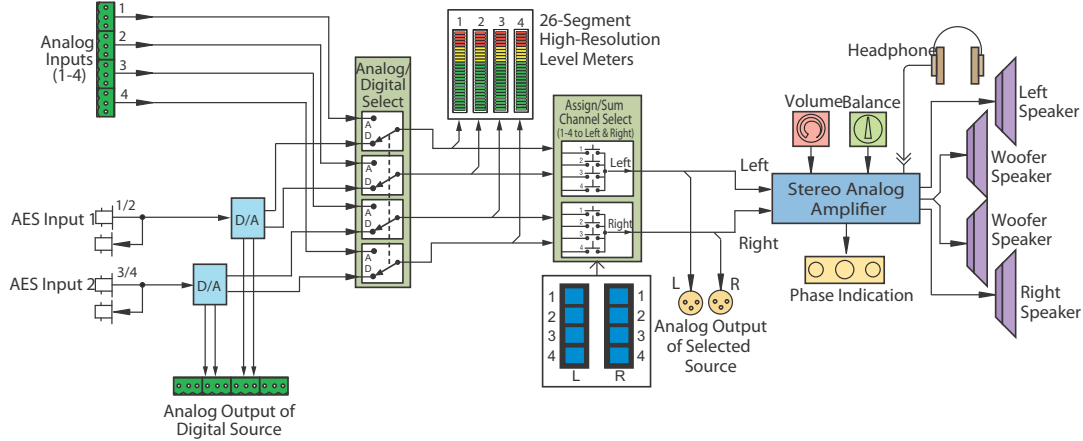
Specification	AMP1A-VTR2	AMP1-V2DA	AMP2-VSDA
Analog input impedance	Phoenix: 200k Ω balanced	Phoenix: 90k Ω balanced	XLR: 70k Ω balanced
Digital input impedance	BNC: 75 Ω unbalanced		BNC: 75 Ω unbalanced XLR: 110 Ω balanced
Peak acoustic output (at 2 ft.)	98 dB SPL		104 dB SPL
Response, 6th octave	80 Hz to 16 kHz ± 7 dB (-10 dB @ 50 Hz, 22kHz)		80 Hz to 16 kHz ± 5 dB (-10 dB @ 40 Hz, 20kHz)
Power output			
RMS each side	10 W transient/5 W continuous		14 W transient/ 10 W continuous
RMS base	20 W transient/10 W continuous		35 W transient/ 25 W continuous
Hum and noise	Better than -68 dB below full output		

## Block Diagrams

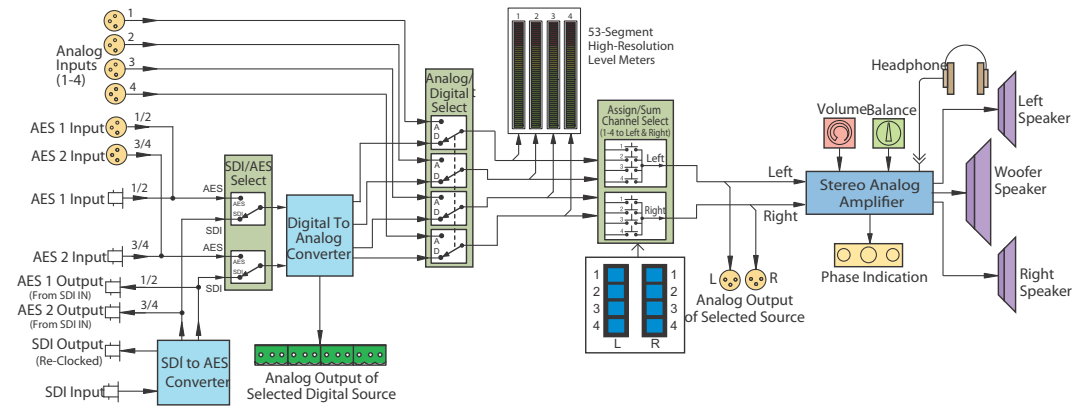
AMP1A-VTR2



AMP1-V2DA



AMP2-VSDA



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