

# AMP1-S8-MDA-3G

## 8-Channel Multi-format Audio Monitor



**High-quality audio monitor offering premium quality 8-channel analog, AES/EBU, 3G/HD/SD-SDI multi-channel audio monitoring and conversion as well as professional level metering.**

The AMP1-S8-MDA-3G monitor is an exceptionally high-quality audio monitor system offering premium quality 8-channel analog, AES/EBU, 3G/HD/SD-SDI multi-channel audio monitoring and conversion as well as professional level metering. These units contain 4 audiophile-quality drivers and three power amplifiers; 2 speakers and amplifiers reproduce midrange and high frequency information in stereo, while a third amp and 2 speakers handle summed LF information below the 500 Hz crossover point.

These units feature eight 26-segment highresolution, tri-color LED level meters showing simultaneous VU and PPM for superior levelmetering. The front panel features an innovative LCD 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 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, 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 that automatically mutes the speakers.

These units are ideally suited for use in space-critical environments such as TV facilities, studios, VTR bays, mobile production vehicles, satellite links and indeed, any rack mount environment where multi-channel audio monitoring is required.

### Features/Benefits

- Eight 26-segment tri-color LED bar graphs displaying simultaneous VU and PPM
- Front panel summing of any combination of up to 8-channels to the left and/or right speakers and selected
- Headphone jack (mutes speakers)
- Optional AES balanced output from SDI (DB-25) replaces standard AES unbalanced output (HD-15)
- Audible indications of phase/polarity problems
- Front panel summing of any combination of up to 8-channels to the left and/or right speakers and selected
- Premium quality drivers and power amplifiers
- Phase-correlation display of selected channels
- Output limiter protected speakers

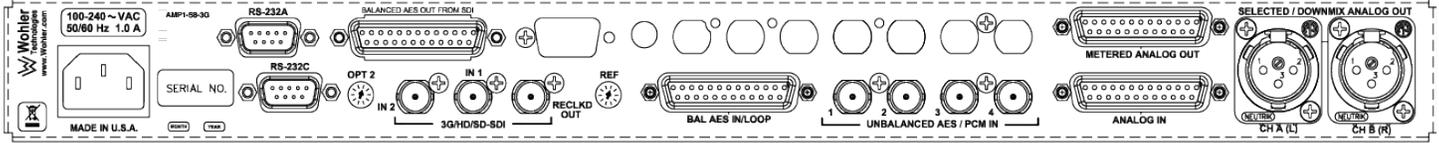


Order Part #8101-0090 AMP1-S8-MDA-3G

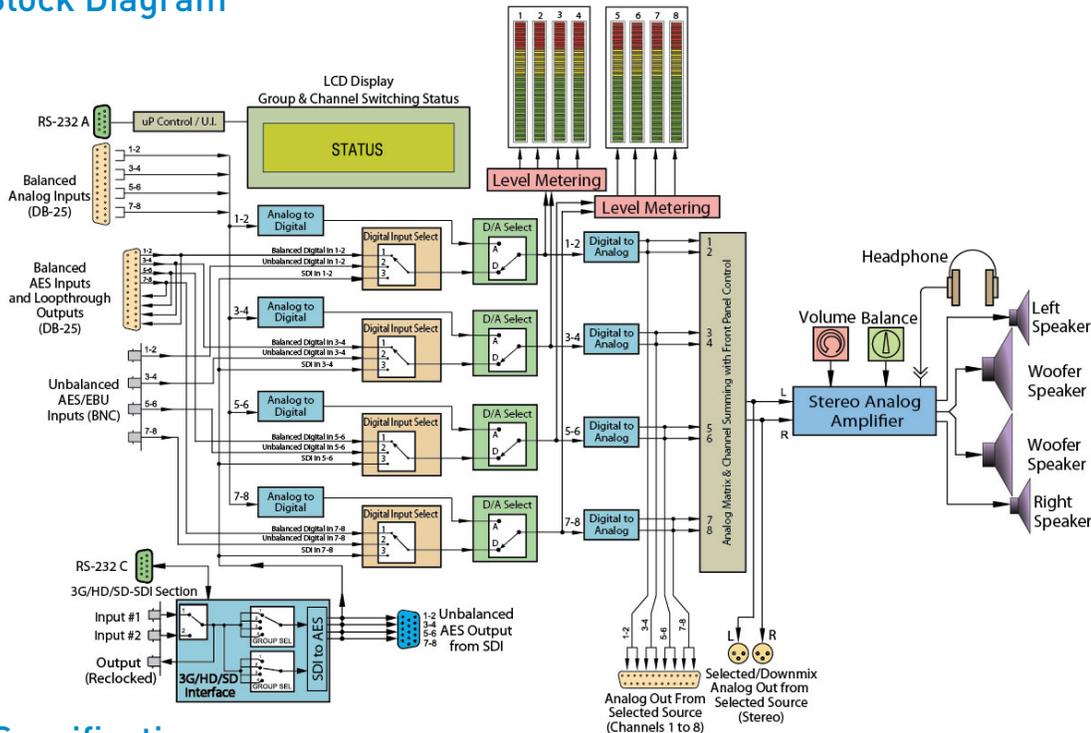
# AMP1-S8-MDA-3G

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### Rear Panel



### Block Diagram



### Specifications

Inputs	8 balanced analog (DB-25) 4 balanced AES/EBU pairs (DB-25) 4 unbalanced AES pairs (4 BNCs) 2 3G/HD/SD-SDI (2 BNCs) (Level A only)
Outputs	1 3G/HD/SD-SDI re-clocked (BNC) 4 balanced AES pairs loop out (DB-25) 4 unbalanced AES out from SDI (HD-15) or Option: 4 balanced AES out from SDI (DB-25) 8 balanced metered analog out (DB-25)
Other Rear Panel Connectors	2 RS-232 (DB-9)
Level Meters	8 26-segment
Level Meter Scale	0 to -66 dB
Level meter threshold	0, +4, +6 or +8 dBv, switch selectable
Acoustic Frequency Response	150 Hz to 16 kHz (+- 5 dB) acoustic • 40 Hz to 20 kHz (+- 1dB) electrical
Peak Acoustic Output	104 dB SPL at 2 feet
Power Consumption	660 W
Power	100 to 240 VAC ± 10%, 50/60Hz 60 W; self-contained power supply
Dimensions (W x H x D)	1.75" x 19" x 11" (4.5 mm x 483 mm x 279 mm)
Shipping Weight	13 lbs (5.9 kg)