



MVXA-2008 / MVXA-2016

**SPECIFICATIONS**

<b>Size</b>	1¾" x 9½" x 19" (34 x 241 x 482mm) One Rack Unit
<b>Weight</b>	7 lbs. (3.2 kg)
<b>Supply Voltage</b>	15 VAC power supply (included)
<b>Channels</b>	MVXA-2008 is 8 channels MVXA-2016 is 16 channels
<b>Total Harmonic Dist.</b>	< 1%
<b>Floor Noise</b>	76dB
<b>Internal Speaker</b>	3 Watts / 8 ohm
<b>Power Consumption</b>	6 Watts
<b>Frequency Response</b>	35 Hz - 20 kHz
<b>Channel Turn-On Delay</b>	1 Second
<b>Inputs Avail. "0dB" Ref:</b>	Line Level (1 Vrms), 25 Vrms, 70 Vrms, 100 Vrms
<b>LED Display</b>	
Accuracy	1.5dB
Sensitivity	-30dB to +3dB
Monitoring Range	0.0316 Vrms (-30dBV) to 141 Vrms
Dynamics	Bottom 10: Green, VU Response (-30dB to -2dB) Top 2: Red, Peak Response (0dB to +3dB)
<b>Audio Outputs</b>	3 Watt Amplifier (5 Watt Peak) into: Internal Speaker, Headphone Jack, External Speaker Output (4Ω or 8Ω), and Line Level Output.

**FEATURES**

- Sophisticated Electronic Design Achieves 8 or 16 Channel Audible & Visual Monitoring in a Single Rack Space
- Each Meter Can be Individually Referenced to Line Level (1Vrms), 25Vrms, 70Vrms, or 100Vrms Input to Collectively Monitor Multiple Signal Types in any Combination
- An Internal Speaker, Headphone Jack, Line Level Output, and an External Speaker Output are Available for Versatile Aural Monitoring of Each Channel
- A 12 Segment LED Meter for Each Channel Provides Accurate Visual Monitoring of all Channels Simultaneously
- Green LED's Indicate Standard VU Ballistics of -30 to -2dB, Red LED's indicate Peak Response at 0 to +3dB Above Reference Level for Easy Identification of Critical Signal Levels
- Top Panel Diagram Depicts Functional Operation and Jumper Settings for Easy Installation and Service

**GENERAL DESCRIPTION**

Atlas-Sound's MVXA monitor panels (patent pending) are active devices for aural and visual monitoring of eight or sixteen different speaker and line level circuits in any combination. Superior single-circuit board design offers outstanding performance with easy visual assessment in an ultra-thin single rack unit chassis.

MVXA-2008 and MVXA-2016 are eight and sixteen channel monitor panels respectively. Both are equipped with the finest components including DC coupled capacitors at each input to maintain signal integrity without distortion, noise, or ground-loop occurrence (no transformer required).

The MVXA Series will simultaneously monitor any combination of 25V, 70V, 100V, or line level signals from -30dBV (line level reference) to 200Vrms (100Vrms reference).

Each input signal is individually calibrated using easy to position jumpers (see chart on front). Clear, visual monitoring of each signal is accomplished using individual twelve segment LED bargraphs with a resolution of 33dB each. The bottom ten LEDs are green and have standard VU ballistics of -30dB to -2dB. The top two LEDs are red to identify peak response at 0dB to +3dB above reference level. These easy-to-see red LEDs provide quick identification of critical signal levels.

*General Description - continued on reverse side*

*Specifications subject to change without notice*



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**GENERAL DESCRIPTION - CONTINUED**

The MVXA also provides for audio monitoring of each signal utilizing a 3 watt amplifier with front panel volume control to drive an internal speaker, a headphone jack, and/or an external speaker output. For high fidelity purposes, a line level output with 35 Hz - 20 kHz response is also provided on the rear panel. The internal speaker may be bypassed or used in conjunction with the external speaker or line level device by simply moving the speaker/headphone disconnect jumper.

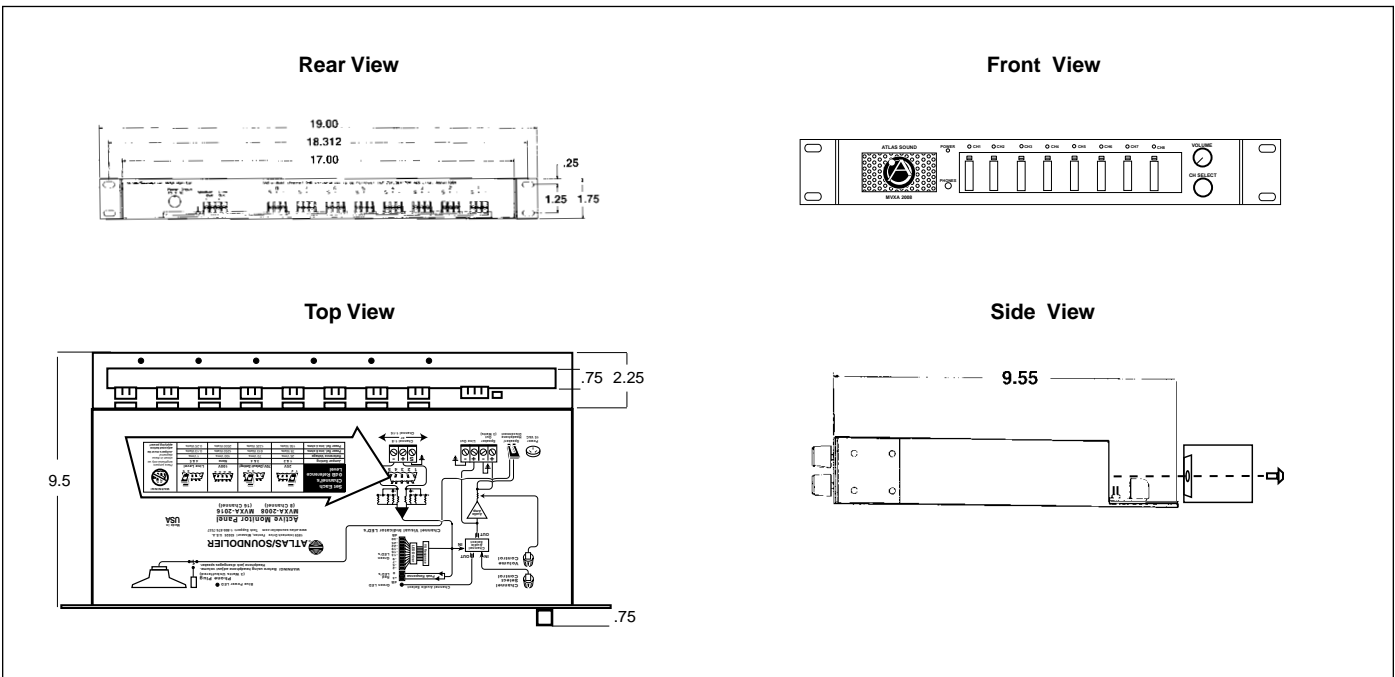
The back panel includes: 15 VAC power input connector (power supply included); speaker out terminals; line level out terminals; speaker/headphone disconnect jumper; and eight or sixteen input terminals that are individually selectable to a 0dB reference for 25V, 70V, 100V, or line level using extended tab jumpers. To facilitate wire management, the bottom panel extends outward to offer a 3/8" full-length opening for wire access and holes for tie wrapping. To protect terminal connections, a back panel cover (equipped with knockouts) secures in position. The top panel features an easy-to-follow circuit diagram of the unit's basic operation. Units are finished in black and include rack mount brackets. Weight is 7 lbs. (3.18 kg).

**APPLICATIONS**

Rely on Atlas Sound monitor panels for operational supervision of control centers when head-end amplification is remotely located. Models MVXA-2008 and MVXA-2016 are ideal for aural and visual monitoring of multi-channel commercial or industrial sound and communications systems in office buildings, auditoriums, airports, convention halls, sports/recreation areas, theaters, schools, churches, hospitals, factories, and service centers. The compact design of the MVXA is ideally suited for shelf, rack, or wall mounting.

**ARCHITECT AND ENGINEER SPECIFICATIONS**

Multi-channel, amplified monitor panel shall be Atlas Sound Model \_\_\_\_\_ (MVXA-2008 or MVXA-2016) or approved equal. Unit shall be capable of visually monitoring 8 or 16 channels simultaneously. Independent aural monitoring of each channel shall be provided by an internal speaker, a headphone jack, a 3-watt speaker level output, and a line level output to drive an external amplifier. It shall be able to monitor any combination of line level, 25V, 70V, and 100V inputs. It shall feature standard E.I.A. spacing for mounting within 1 1/2" of vertical panel space (1 rack unit). It shall include a circuit diagram on the top panel of the unit's basic operation. Unit shall also include a power supply with input voltage of 10-30 VAC, 60 Hz. It shall be finished in black and weigh 7 lbs. (3.18 kg).



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