ASP-MG24
Masking Processor/
Loudspeaker Controller

Atlas Sound ®

COMPLEX PROBLEMS

- It's hard to find a DSP versatile enough to handle both sound masking and loudspeaker processing applications.

- DSPs are often either hard to configure or do not have enough "horsepower" to deliver what is needed.

- Commissioning a professional sound masking system is difficult and time consuming.

ATLAS SOLUTIONS

- The ASP-MG24 DSP architecture is equally suited for complex masking systems and for control of Atlas Sound full range speakers and/or subwoofers.

- The intuitive ASP-MG24 set-up GUI is designed to simplify even complex setups that utilize multiple sources plus masking in the same zone.

- Easy downloads from the Atlas Sound MEQ masking program make system tuning a breeze.

WE PROMISE — TRUST ATLAS™ — WE DELIVER

Atlas Sound ®

Atlas Sound VARIZONE™
DIGITAL PUBLIC ADDRESS SYSTEM

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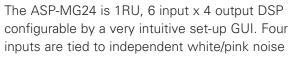
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ASP-MG24

The ASP-MG24 advances sound masking control to a whole new level while providing the secondary benefit of loudspeaker processing for the most popular Atlas Sound loudspeaker systems.

The ASP-MG24 is 1RU, 6 input x 4 output DSP configurable by a very intuitive set-up GUI. Four inputs are tied to independent white/pink noise generators with adjustable ramp-up to allow gradual acclimation to masking levels. Two additional inputs are available for mic or line sources to allow paging and/or music sources to be blended with the masking sources to any of the 4 outputs.

Dedicated 1/3 octave filter sets are available for each of the 4 generator outputs, 8 band parametric EQ blocks along with dynamic control is available for each of the two mic/line inputs. Any mix of all 6 inputs may be easily matrixed to the 4 output DSP blocks for additional parametric equalization, delay, and limiting (if required).

Factoring in all features, a very complex 4 zone sound masking system can be easily configured with 2 external music or page sources. The optional MGTDB internal plug-in module is also available for the ASP-MG24 to allow timing and level control of all outputs for holiday and weekend scheduling.

For loudspeaker control functionality, the ASP-MG24 may be configured in 2 input x 4 output mode for stereo full range. Other configurations include full range plus sub operation with Atlas Sound FAP ceiling speakers, SM series surface mount speakers, or AH series stadium horns for complete control of crossover types, equalization, delay, and dynamic control.

Computer interface is simplified by USB, RS-232 **and** Ethernet connection (no hard to use USB to Serial adaptors required!). External UL listed international voltage power supply is included.

Input Impedance	Output Impedance	Max. Input & Output Level	Frequency Response	Dynamic Range	CMM	Crosstalk	Distortion
Line 10k Ohms, Mic	50 Ohms	+20dBu	0.1dB (20 to 20kHz)	115dB typical (unweighted)	> 60dB (50 to 10kHz)	< -100dB	0.02% (1kHz @+4dBu)

Processor	Sampling Rate	Analog Converters	Propagation Delay	Power	Dimensions	Weight
32-bit (40-bit extended)	96kHz	High Performance 24-bit	3ms	115V 20W UL Rated External DC Power Supply	19"x1.75"x8" (483x44x203 mm)	13.2 lbs / 6 kg

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