



Open office landscaping and mobile partitions are popular concepts within commercial and institutional buildings. In order to maintain conversational privacy for the individual, Atlas Sound has merged the expertise of leading acoustical consultants and its own practical manufacturing experience to produce sound masking loudspeakers and signal generators.

DSP-BASED SOUND MASKING GENERATOR/EQUALIZER

MG3001. The MG3001 represents the latest technology in digital signal processing (DSP) engines for sound masking generator/equalizers. This model features two built-in digital noise generators and two analog noise generators allowing the versatility of digital, analog, or mixed noise at either of its two outputs. Each noise source is separately adjustable-between 80dBu and 0dBu in 0.1dB steps. The MG3001 offers a variety of user selectable filter options including one-third octave, parametric high/low pass, and high/low shelving filters. Each filter offers precision .1dB level and 1Hz frequency steps. All set-up and operating functions of the MG3001 are conducted from a PC using software provided for Windows 95/98/2000/XP/NT4. After defining and downloading the control functions through the PC, the settings will be stored within the unit in non-volatile memory (no battery required). The MG3001 model features 12 storage memories and 12 preset functions. The unit power supply capable of operating between 94-260VAC at either 50 or 60Hz. The MG3001 includes a clock circuit that allows for varying parameters at different times of day. The device will ramp up gradually so that workers do not notice a difference in the noise level.



MG3001



MG2500



GPN1200B

CE MG2500. The Atlas Sound MG2500 Sound Masking Processor is a digital pink-noise generator that includes a balanced line-level audio input and a 2-channel DSP processor, all in a single rack-space unit. An extended "non-apparent" repeat time of noise (200 minutes) and output delay with distance/delay calculation per channel helps ensure the masking source will not be decoded in high security installations. The MG2500 includes two independent matrixes for channel-to-channel mixing and balanced input & outputs on plug-in barrier strip connectors. Noise & audio levels, plus two channels of combined 1/2" (Windows 95/98/2000/XP/NT4). Sixteen presets can also be recalled via contact-closures, RS-232, or other remote control options. There are no manual controls on front panel, to prevent tampering. All programming software & serial cable included. UL Listed.

GENERAL PURPOSE GENERATOR

GPN1200B. Digital generator with switchable output produces pink or white noise for application in sound masking systems and for system equalization and audio equipment testing. Output level is .3V into 600 Ohm (-8dBm) for matching input circuits of most commercial equalizers and amplifiers. Low-pass filter shapes frequencies from 16kHz to 250Hz at 12dB per octave. Self-contained unit with built-in power supply operates at 117VAC at 60Hz and includes replaceable fuse, 1/4" phone jack and screw-terminal output connections. Chassis with rear-mounted controls is attached to a 16"W x 1 1/4"H rack panel and finished in black semi-gloss epoxy.

"THE MASKER" SELF-CONTAINED SYSTEM

AM1100 Series. Complete self-contained masking unit is suitable for applications where distributed constant-voltage systems are not practical. Economically priced unit provides confidentiality and can be installed above or below the ceiling (as field conditions require). System could be used in individual office areas, common waiting areas and professional offices where confidential conversations occur. The equalized masking sound lowers intelligibility and "masks" disruptive outside sounds.

System is available in 117VAC and 16VAC versions. Each model includes built-in power supply, digital pink noise generator, 2 Watt amplifier, 4" loudspeaker with 10 oz ceramic magnet and selection of installation and operational features described below. All components are packaged within a specially designed 6" (152mm) metal cube enclosure featuring one-point suspension to allow 360° positioning capability. Controls include power switch, screwdriver-adjust master volume control, attenuator with 1 1/2dB per step, and two screwdriver-adjust low pass filters. For convenience, sound output curves have been calculated and shaped at the factory (specially designed curves to meet customer specifications are available). 117V models include transformer with IC electronic regulator and resettable circuit breaker. 16V versions include 8" leads for connection to external power transformer. The following options are included on specified models: (L) AC line cord with molded plug, (H) 4' suspension chain with "S" hook. Listed under UL Standard



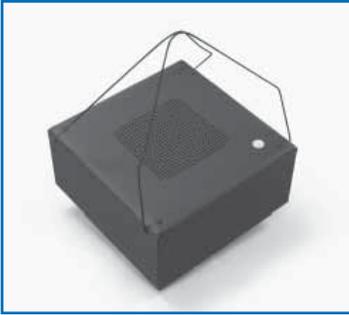
AM1100-LH

MODEL	POWER REQUIREMENTS	DESCRIPTION
AM1100-LH	117VAC, 60Hz	Masker with line cord and chain
AM1100-16VH	16VAC, 60Hz @ 350mA	Masker with chain

1480.

Also available: **PS16-40 AC.** 16VAC power supply - will power up to (7) AM1100-16VH Maskers.

NINE



M1000

SUSPENSION MOUNTING SOUND MASKING LOUDSPEAKER (UL 1480 & UL 2043)

M1000 Series. The new M1000 masking speaker assembly is designed to accurately reproduce the needed spectrum of masking signal into the plenum space. The innovative 712 cubic inch square enclosure ensures ample low frequency response. A specially designed 8" dual cone loudspeaker is included in the package. A high efficiency 70.7V internal transformer is coupled to an external selector switch for easy system tuning. For more precise adjustments, a wide selection of wattage taps ranging from ¼ Watt to 4 Watt plus off are provided.

The exclusive Atlas Sound EZ hang brackets simplify installation. This innovative suspension system utilizes (2) collapsable galvanized hangers configured to allow quick upward or side firing installation. The hangers are factory-installed on the unit and sold flat for shipping. To meet most any local code requirement, the M1000 includes an innovative cover containing both knockouts and a strain relief. This system will allow the use of rigid or flexible conduit (if required) and easily accommodates "through" connections on the removable plate. UL 1480 & 2043 listed.

T-BAR/CHANNEL SUPPORT SOUND MASKING LOUDSPEAKER

M812-S2T7-BX-RS. Loudspeaker/enclosure masking assembly helps maintain a successful acoustic environment in open plan and partitioned office designs with T-Bar supported ceiling systems. Unit includes square enclosure with upward sound dispersion, 8" loudspeaker with pre-mounted 70.7 Volt transformer, channel support rails, rotary switch wired to transformer primary, BX style conduit box complete with ½" conduit knockouts and all necessary mounting hardware. 529 cu. in enclosure is finished in black epoxy and acoustically treated with undercoating and fiberglass to absorb resonance associated with high-frequency sound transmission. Transformer is supplied with .5, 1, 2, and 5 Watt primary taps. Unit also may be used in access floor masking systems.



M812-S2T7-BX-RS

BASE MODEL	TRANSFORMER	CONDUIT BOX	ROTARY SWITCH	SPEAKER		ENCL. VOLUME (cu. in.)	DISPERSION ANGLE
				SIZE	MODEL**		
M812-S2T7-BX-RS	70V	-BX	-RS	8"	C10A	529 cu. in.	Upward