

Model No.

# SMGA-5

## Rackmount Sound Masking Generator & Amplifier



The rackmount sound masking generator with amplifier is designed for stand-alone applications (sound masking or sound masking/music/paging) or for interfacing with existing music/paging systems. Order speakers separately. See page 2 for typical wiring diagrams.

### Features

- 1U chassis (19"W x 1.75"H x 4"D) with barrier strip plug-in terminations is formed 20-gauge steel with 16-ga. front panel. Black powder epoxy finish.
- Generator produces a pink noise (equal energy/octave) signal that is fed to speakers (ordered separately) to produce characteristic wind sound that masks ambient noise, creating conversational privacy. Generator controls include output level and adjustable low pass filter to shape frequencies at 9dB per octave with roll off at 300Hz.
- Amplifier (5W into 70V, 25V or 8ohm) includes auxiliary Hi-Z input for a paging, music or signaling source. Amplifier controls include level adjustment for auxiliary input signal and master level plus individual controls for shaping bass, midrange and treble frequencies.
- UL Listed power supply with activation delay of 1-3 seconds, input 100-240VAC, output 24VDC 500mA, 6 ft. cord and 4 plug adaptors (NEMA 1-15 for No. America—factory installed, SCHUKO CEE 7/16 for central Europe, BS1362 for the U.K., AS3112 for Australia and New Zealand.
- Compatible with Lowell's sound masking speakers for suspended or T-bar installation. Order speakers separately.

### A & E Specifications

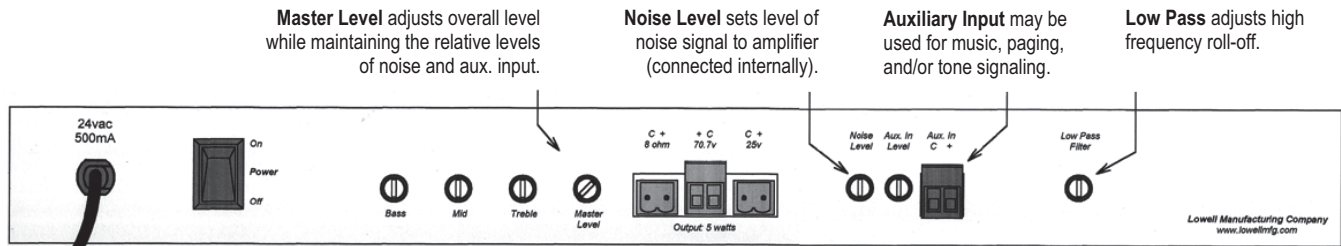
The sound masking generator/amplifier shall be Lowell Model No. SMGA-5. Generator controls shall include output level and low pass filter. Amplifier output shall be 5 watts into 70V, 25V or 8ohms. Auxiliary amplifier input for paging, music or signaling shall be a plugable barrier strip. Amplifier controls shall include input level and master level control plus bass, mid and treble controls. The chassis shall be formed 20-gauge steel with 16-ga. front panel. It shall measure 19"W x 1.75"H (1U) x 9"D and have a black powder epoxy finish. The unit shall include a UL Listed power supply with six ft. cord and four plug adaptors. Power requirements shall be 100-240VAC; output shall be 24VDC 500mA.

### Technical Specifications

<b>Generator Output Signals:</b>	Pink noise (equal energy/octave)
<b>Generator Controls:</b>	Output level, Low pass filter (flat to approx. 9dB/octave roll-off at 300Hz)
<b>Amplifier Output Power:</b>	5 watts into 70V, 25V or 8-ohms
<b>Auxiliary Input:</b>	Hi-Z (500mv) line for paging, music, or signaling
<b>Internal Input:</b>	Noise (connected internally)
<b>Output Connections:</b>	Plugable barrier strip
<b>Amplifier Controls:</b>	Master level plus bass, midrange, and treble controls ( $\pm 12$ dB); and auxiliary input level.
<b>Power Requirements:</b>	100-240VAC 0.5A
<b>Size:</b>	19"W x 1.75"H (1RU) x 9"D

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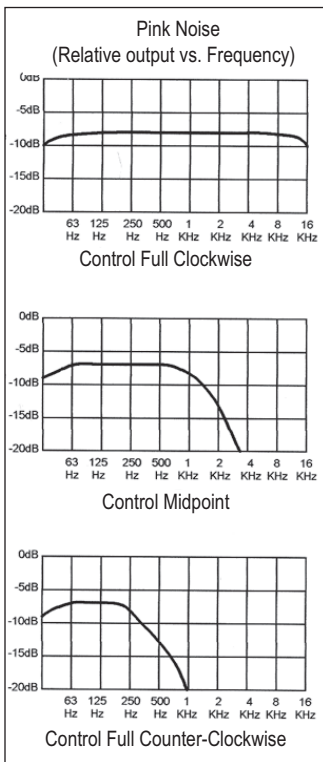
## Rear Panel Layout



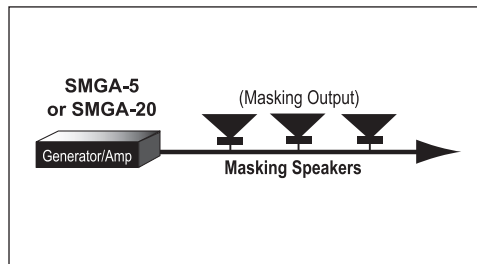
Move connector to appropriate output and connect to speaker load (5W max for 70.7V or 25V outputs).

## Charts & Wiring Diagrams

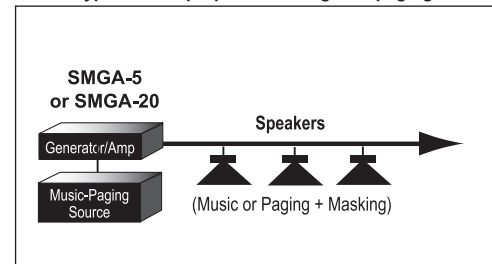
**Low Pass Filter Response**  
(approximate representation)



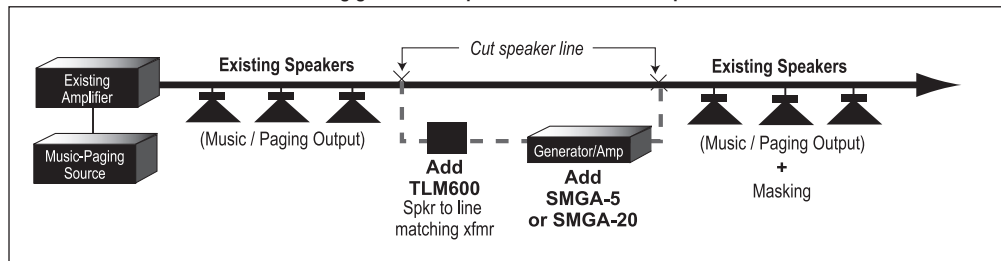
**Typical stand-alone application**



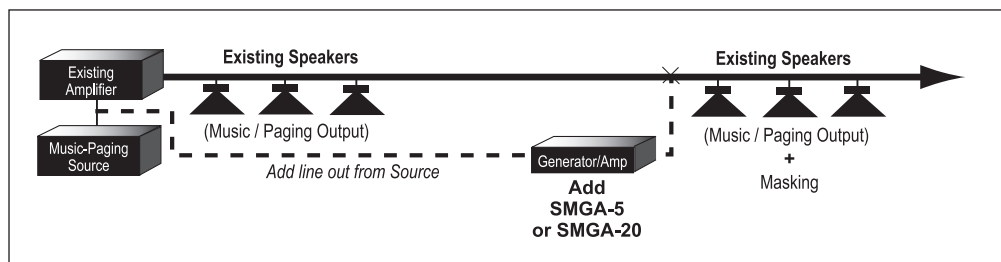
**Typical multi-purpose masking with paging**



**Typical masking addition to an existing system using a line matching transformer and masking generator amplifier connected to the speaker line.**



**Typical masking addition to an existing system using a masking generator amplifier connected to a new line-out from the music-paging source.**



**Bass, Mid, and Treble Controls**  
(approximate - assuming input is flat)

