

### Quality Features

- avlelec's sound masking generators provide a digital noise signal for sound masking applications.
- Choose compact 1RU rackmount chassis style or space-saving 6" x 5" non-rackmount style to meet installation requirements.
- Versatile outputs include a high impedance line and a balanced line that may be switched between line level and mic level.

### SMG-1R, SMG-1 Specifications

<b>Generator Output Signals:</b>	Pink noise (equal energy/octave) or White noise (equal energy/frequency)
<b>Generator Output Levels:</b>	500mv (Hi-Z), 5mv (Low-Z mic level)
<b>Generator Connections:</b>	RCA phono jack (unbalanced Hi-Z) Plugable barrier strip (balanced Low-Z)
<b>Generator Controls:</b>	Output level (0-500mv max.) Low pass filter (flat to aprox. 9dB/octave roll-off at 300Hz)
<b>Power Requirements:</b>	117 vac, 60Hz, 18-watts
<b>Size:</b>	SMG-1R: 19"W x 1.75"H (1RU) SMG-1: 6"L x 5"W x 1.5"H

### Description

Models SMG-1R and SMG-1 are sound masking generators with a 1RU rackmount and space saving 6" x 5" non-rack-mount chassis design respectively. These generator-only models produce a digital noise signal (pink or white) for masking system applications that utilize a separate amplifier, or amplifiers, to drive the masking speakers.

The generator produces a digital output signal for sound masking that is *pink noise* (equal energy / octave) or *white noise* (equal energy / frequency). The selected noise signal is fed to the masking speakers to produce the characteristic "whoosh" sound that "masks" ambient noise in a properly designed masking system to create conversational privacy. The generator output levels include an independent Low-Z (balanced) line that is switchable to mic level and a Hi-Z (unbalanced) line. Controls include output level and an adjustable low pass filter that shapes frequencies at 9dB per octave with roll off at 300Hz.

*Versatile generator units are also handy for system equalization and audio equipment testing. Each includes Hi-Z and Low-Z output levels for matching input circuits of most commercial equalizers and amplifiers.*

AVlelec also offers Model SMGA20 generator with built-in 20W amplifier for a single source approach to small masking applications, and a wide selection of 8" and 4" masking speakers for suspended installation above the ceiling or for mounting on to the T-bar grid.

# A & E Specifications

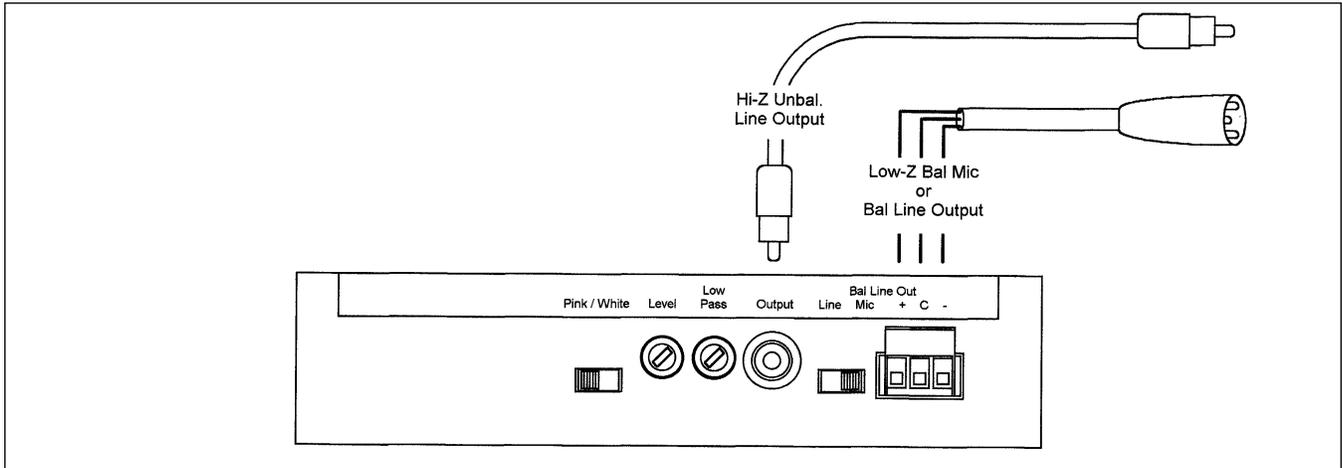
The sound masking generator shall be Avlelec SMG Series Model \_\_\_\_\_ (SMG-1R, SMG-1)

For applications where a generator device (without amplifier) is required to produce a digital white or pink noise signal Avlelec 1RU rackmount Model SMG-1R or compact 6" x 5" Model SMG-1 shall be specified.

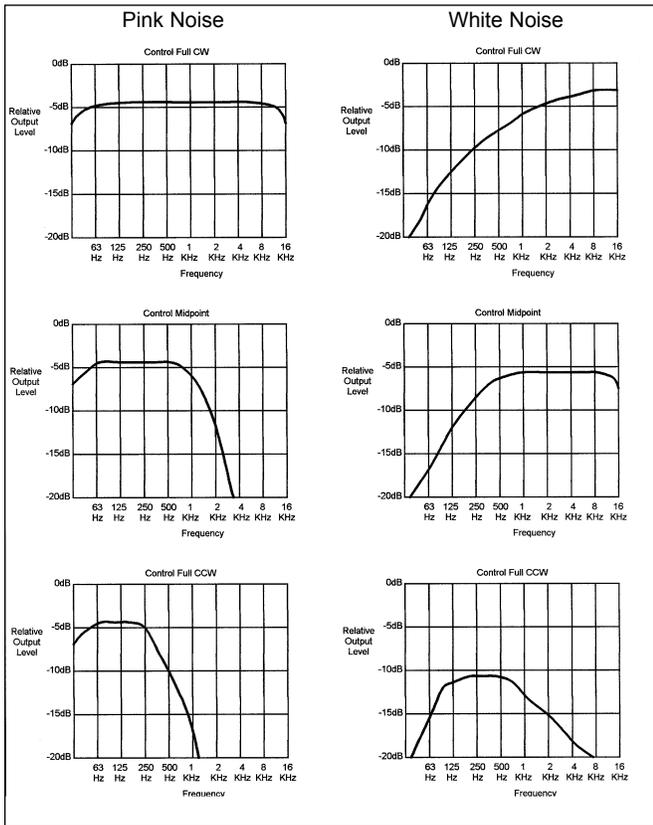
The generator shall have a balanced low-impedance line output that may be switched between line level (500mv) and mic level (5mv)

and a high-impedance unbalanced line output (500mv). Generator controls shall include output level and low pass filter.

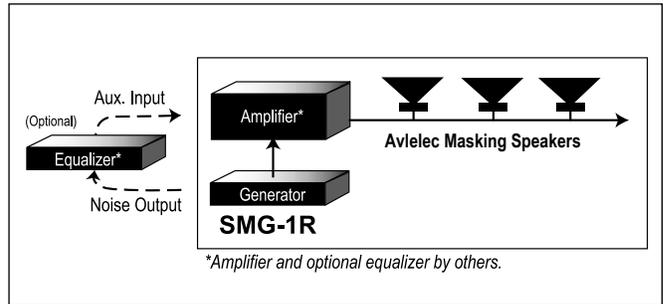
The chassis assembly shall be formed from heavy gauge steel and finished in black powder epoxy paint, Chassis shall measure \_\_\_\_\_ [SMG-1R 19"W x 1.75"H (1RU), SMG-1: 6"L x 5"W x 1.5"H]. An external power supply shall be included.



**Rear Panel Layout  
Sound Masking Generator Models SMG-1R, SMG-1**



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



**Typical Configuration  
Sound Masking Generator Models SMG-1R, SMG-1**

*\*Amplifier and optional equalizer by others.*