

## Sound Masking Generator with Amplifier #SMGA-5A

Analog pink noise signal generator with 5W amplifier



Model #SMGA-5A generator with amplifier (5W into 70V or 8 ohm) produces an analog pink noise output signal that is fed to sound masking speakers (ordered separately) in order to produce random low-level background noise to mask ambient noise and aid conversational privacy.

### features.

- **Noise Generator:** Outputs include a Pre-EQ and a Post-EQ line level (~500mV) pink noise signal. The Pre-EQ output has a flat spectrum that can be used as the input to equalizers that feed power amplifiers for masking systems that require precise equalization. The Post-EQ output spectrum is adjusted by the bass, mid, and treble controls and can be used for less demanding applications that utilize basic spectrum shaping.
- **Amplifier:** Speaker line output is adjusted by bass, mid, and treble controls.
- **AUX Input:** Independent level control is provided to add paging or background music to the masking system.
- **Outputs:** Include hi-Z line level, Pre-EQ and Post-EQ, 8ohm speaker, and 70V speaker line (5W maximum).
- **Controls:** Bass, mid, and treble controls allow for basic noise spectrum shaping without an external equalizer.
- **Mounting Aids:** Includes mounting brackets for rack, shelf, wall, or under counter use.
- **Power Supply:** Universal input (100–240VAC) and 24 VDC @2.5A output.
- **Specifications:**
  - Generator output: Pink noise (equal energy per octave)
  - Generator output level: 500mV hi-Z unbalanced
  - Connections: RCA phono jacks and pluggable barrier strip
  - Controls: Bass, mid, treble, volume, aux volume
  - Amplifier output: 8 ohm or 70V
  - Aux input: Hi-Z line
  - Power requirements: 24VDC 1.5A
  - Steel chassis: 12.2"W x 1.5"H x 6"D. Dimensions with brackets: 19"W x 1.75"H (1U) x 6"D
  - Origin: Made in the U.S.A. with global components



### a&e specifications.

The sound masking generator with amplifier shall be Lowell Model #SMGA-5A. The generator shall produce an analog pink noise signal and have both Pre-EQ and Post-EQ hi-Z line level outputs. Generator controls shall include level, bass, mid, and treble. The amplifier shall provide up to 5W amplification to drive sound masking speakers (ordered separately), and feature outputs at 8ohm and 70V line. The amplifier shall have an independently controlled auxiliary Hi-Z line level input to mix paging, music, or signaling with the masking system. The steel chassis (12.2"W x 1.5"H x 6"D) shall have a black powder epoxy finish. The unit shall include mounting brackets for wall, shelf, rack or under counter use, which shall slightly increase overall dimensions. It shall also include a power supply with universal input (100–240VAC) and 24VDC @ 2.5A output.

### SMG & SMGA Series Overview

Model No.	Description	Style	Signal Noise Type	Chassis
SMG-1	Sound masking generator	Standalone chassis	Analog Pink	6" x 5" x 1.5"
SMG-1R	Sound masking generator	Rackmount chassis	Analog Pink	19" x 4" x 1.75" (1U)
SMGA-5A	Sound masking generator w/amplifier, 5W	Chassis w/universal mtg. brackets	Analog Pink	12.2" x 6" x 1.5" *
SMGA-25	Sound masking generator w/amplifier, 25W	Chassis w/universal mtg. brackets	Analog Pink	12.2" x 6" x 3.2" **

\* Size with brackets – 19"W x 6" x 1.75" (1U)

\*\* Size with brackets – 19"W x 6" x 3.5" (2U)



### drawings

