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Model No.

SMGA-25 Sound Masking Generator/Amplifier

Model SMGA-25 provides an analog noise signal along with an amplifier (25W into 70V or 8 ohm) for sound masking applications. The generator produces a pink noise output signal that is fed to masking speakers to mask ambient noise, allowing for more conversational privacy and improved productivity. Order sound masking speakers separately.

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 (25W maximum).
- **Controls:** Bass, mid, and treble controls allow for basic noise spectrum shaping without an external equalizer.
- **Steel Chassis:** Measures 12.2"W x 3.2"H x 6"D. Includes mounting brackets for rack, shelf, wall, or under counter.
- **Power Supply:** Universal input (100–240VAC) and 24 VDC @2.5A output.

A&E Specifications

The sound masking generator/amplifier shall be Model SMGA-25. 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 25W 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 unit shall be housed in a steel chassis measuring 12.2"W x 3.2"H x 6"D. It shall include mounting brackets (for wall, shelf, rack or under counter), and a power supply with universal input (100–240VAC) and 24VDC @ 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 2.5A (power supply included)
- Dimensions: 12.2"W x 3.2"H x 6"D
- Dimensions w/brackets: 19"W x 3.5"H(2U) x 6"D

Compatible Components (order separately)

- **SM Series Speakers:** Sound masking speakers with 4 in. or 8 in. driver, for above ceiling installation.
- **LT/SM Series Speakers:** Music/paging and sound masking speakers with 8 in. driver, for lay-in tile ceilings. 1x2 or 2x2 format.

Technical Drawings

Measurements are inches unless indicated otherwise.

