

Model No.

SMG-1R: Rackmount Sound Masking Generator



Rackmount generator produces analog signal for systems that use a separate amplifier to drive sound masking speakers. The signal is fed to the masking speakers to produce random low-level background noise that masks ambient noise, aiding conversational privacy.

Construction & Features

- 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.
- Also handy for system equalization and audio equipment testing.
- Includes Hi-Z and Low-Z output levels for matching input circuits of most commercial equalizers and amplifiers.
- Outputs include high impedance line and balanced line that can be switched between line level and mic level.
- UL Listed power supply, input 100-240VAC, output 24VDC, 500mA, 6 ft. cord and four plug adaptors — NEMA 1-15 for North America (factory installed) Schuko CEE 7/16 for central Europe, BS1362 for the U.K., AS3112 for Australia/New Zealand.
- Made in USA with global components

Rear Panel Layout



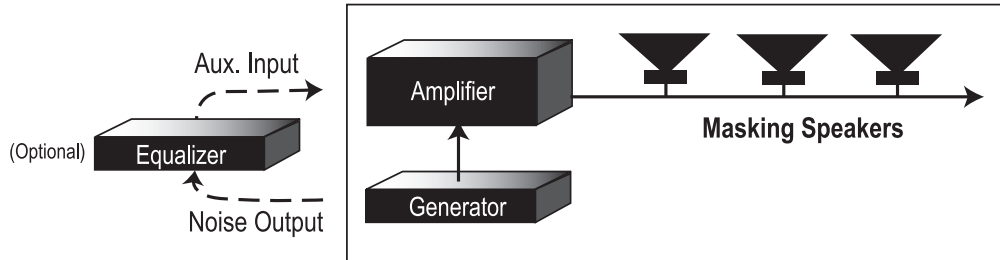
A&E Specifications

The sound masking generator (without amplifier) shall be Lowell Model SMG-1R, which shall produce an analog pink noise signal. It 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). Controls shall include output level and low pass filter. The rackmount chassis shall be formed from heavy gauge steel with black powder epoxy finish and measure 19" x 4" x 1.75." An external power supply with four plug adaptors shall be included.

Specifications

Noise Type:	Analog Pink (equal energy/octave)
Unbalanced Output:	~500mV
Balanced Output:	~500mV (line) ~5mV (mic)
Low Pass Filter:	Full Right (flat) Full Left (~300Hz roll-off)
Power Supply:	24VDC 500mA
Chassis:	19" x 4" x 1.75" (1U)

Typical Configuration



Low Pass Filter Response (approximate)

