

Model No.

SMG-1R

Rackmount

Sound Masking Generator



Rackmount generator produces digital signal (pink or white noise) for masking systems that use a separate amplifier to drive the speakers. The selected signal is fed to the masking speakers to produce random low-level background noise that masks ambient noise and aids conversational privacy.

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 with activation delay of 1-3 seconds, 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 U.S.A. with domestic and imported components

Technical Specifications

Output Signals:	PINK noise (equal energy/octave) or WHITE noise (equal energy/frequency)
Output Levels:	500mv (Hi-Z), 5mv (Low-Z mic level)
Connections:	RCA phono jack (unbalanced Hi-Z) Plugable barrier strip (balanced Low-Z)
Controls:	Output level (0-500mv max.) Low pass filter (flat to approx. 9dB/octave roll-off at 300Hz)
Power Required:	100-240 VAC 0.5A
Chassis:	19"W x 4"D x 1.75"H (1U)

A&E Specifications

The sound masking generator (without amplifier) shall be Model No. SMG-1R. The generator shall produce a pink or white 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 chassis assembly shall be formed from heavy gauge steel and finished in black powder epoxy paint. Chassis shall measure 19"W x 4"D x 1.75"H. An external power supply with four plug adaptors shall be included.

Model Number

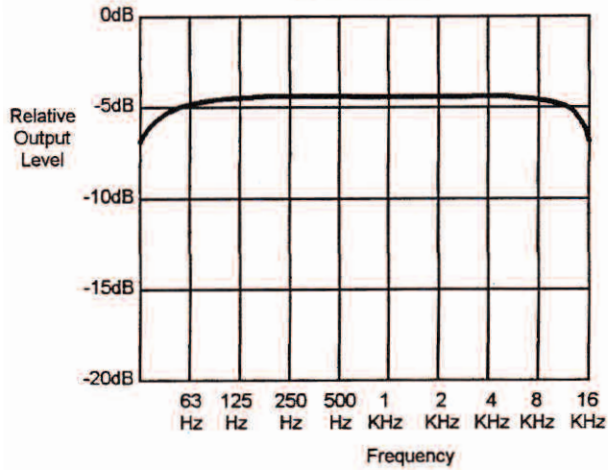
Model No.	Description	Chassis Height	Chassis Width	Chassis Depth
SMG-1R	Rackmount sound masking generator	1.75" (1U)	19"	4"



Low Pass Filter Response (approximate representation)

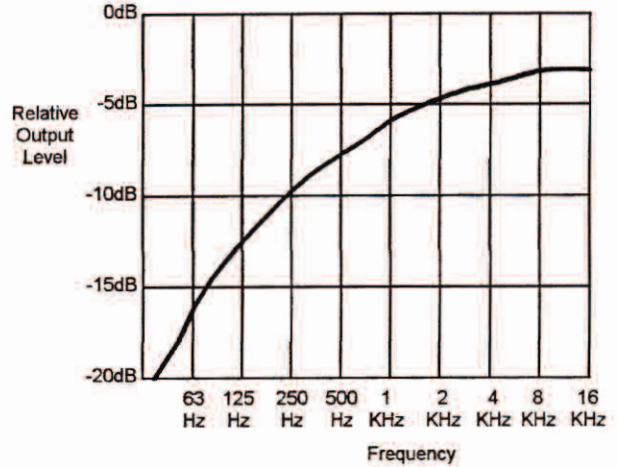
Pink Noise

Control Full CW

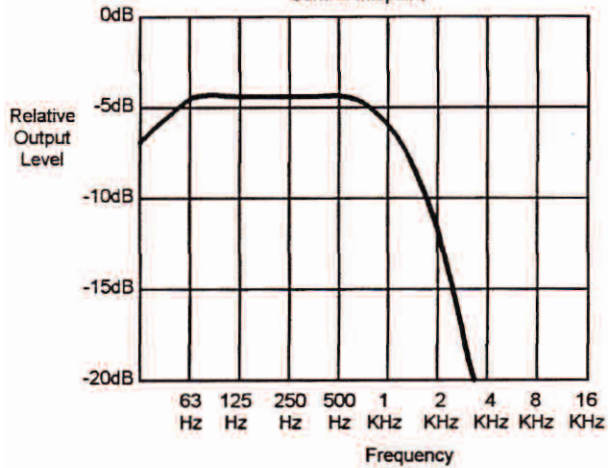


White Noise

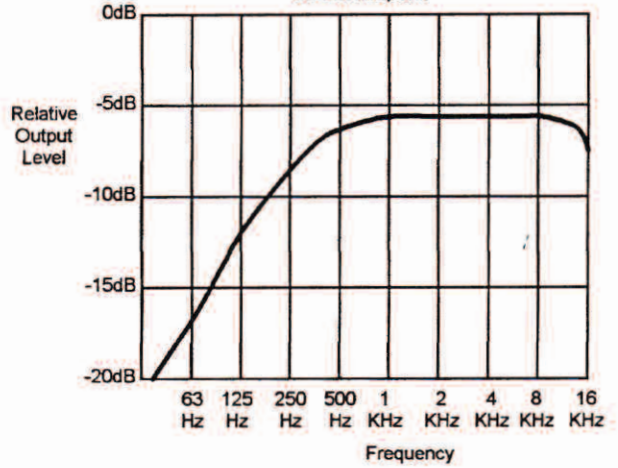
Control Full CW



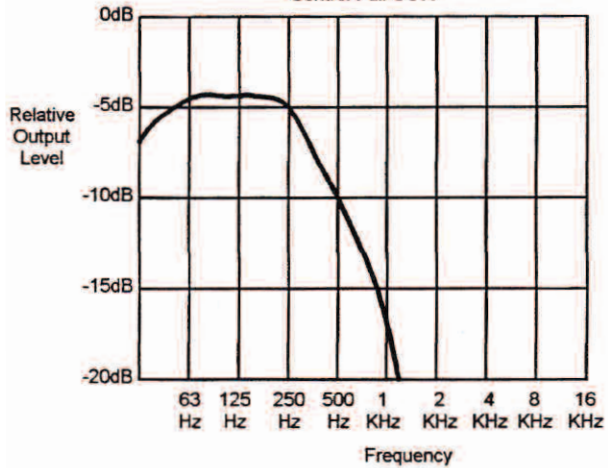
Control Midpoint



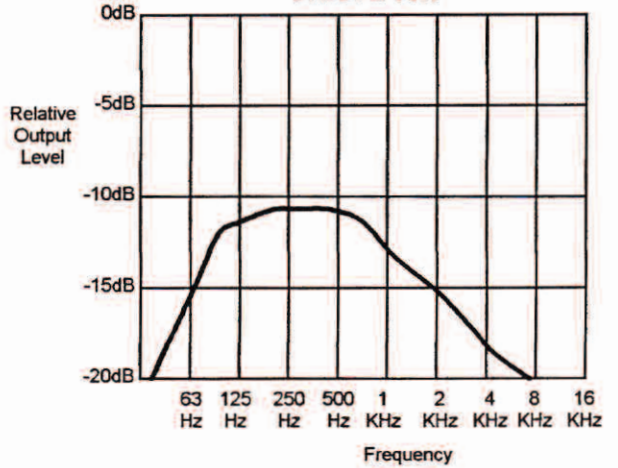
Control Midpoint



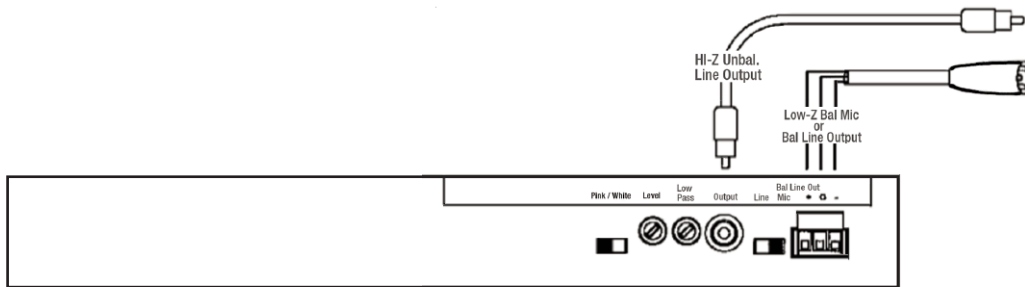
Control Full CCW



Control Full CCW



Rear Panel Layout



Typical Configuration

