



SMG105 Sound Masking Generator

compatible with
any brand of amplifier

high security
pseudo-random
sequence

simple installation
& affordable

The EM-SMG105 Sound Masking Generator is the perfect solution for masking needs in offices or facilities where voice privacy enhancement is desired. The SMG105 generates a soft pink noise that acoustically sounds very much like air-handling ducts or vents. It can provide voice privacy at an affordable cost.

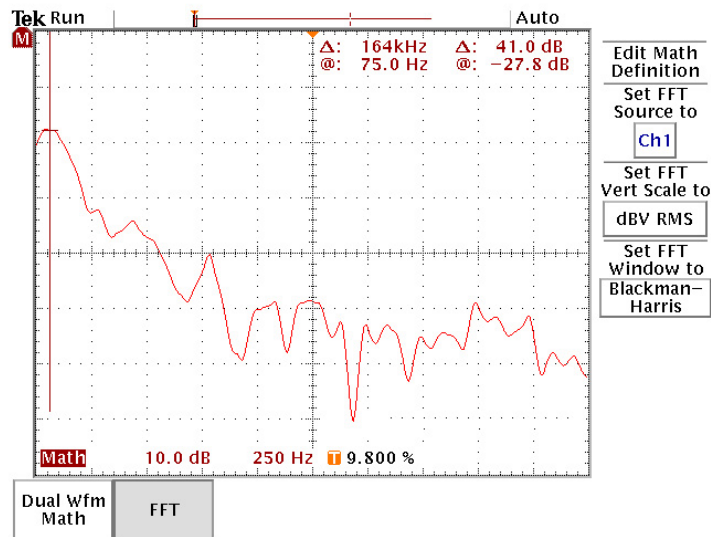
The SMG105 has been designed to be compatible with any brand of amplifiers. Just hook-up its' output signal to the input of your amplifier, and plug in the 24VDC power supply that comes with the SMG105. Sound masking just became easy and affordable.

The pseudo-random sequence that feeds the pink noise low-pass filter on the SMG100 card, exceeds 1.5 days in length before the sequence is repeated. This provides a reliable high security solution for your noise masking.

Electrical Specifications:

The SMG105 generates a “warm” Pink Noise with the power spectrum of the card peaking at 75 Hz with a level of -27.8 dBV RMS, rolling off to less than -60 dBV RMS at 830 Hz (approximately 9.5 dB per octave) and flattening out at -68 dBV RMS throughout the audio spectrum. (These numbers are approximate representations only, since each sample of the pseudo-random noise will yield a slightly different plot.)

The following image is a sample frequency power spectrum waveform of the output from the SMG105 using a Tektronix TDS3014B Oscilloscope with FFT capability.



Power Consumption 8mA @ 24VDC
Signal Output 200mV p/p

Dimensions 2.0”H X 3.6” W X .875”D
Weight 4 oz.