



# Voice Masking Generator OVERVIEW



## VMG-20C

### Voice Masking Generator

The VMG-20C is portable direct-field Sound Masking System (SMS) designed for a variety of speech masking applications. VMG-20C is a battery/DC operated device with pre-programmed masking audio, amplifier for the built in speaker (or optional external speaker), and volume control.

Conversations spoken in one room can easily escape through holes in the walls, gaps beneath the doors, or vents, electrical outlets and ductwork. These gaps are typically called Flanking Paths and are major contributor to acoustical security vulnerabilities. Doors and walls with poor attenuation properties allow others outside of the room to hear what's being said inside the room. The VMG-20C is a self-contained battery-powered unit that can operate for up to 12 hours on a single 9 volt battery or it can be permanently powered with the supplied 12 VDC power supply.

VMG stand for Voice Masking Generator because the device specifically target voice frequencies using a unique, factory programmable memory chip. We can custom create a variety of different sounds tailored to the specific sound speech masking task.

#### Features

- ▶ Battery Operated Hands-free 4 Watt Amplifier; Simple to Use
- ▶ Factory Programmable for any Desired Sound (Voices, Pink or White Noise)
- ▶ Use the internal Speaker or Attach an External Speaker Via the RJ-11 Jack
- ▶ 12 Hours Operating Time Using 9 V Battery; Excellent Sound Quality

#### Dimensions

SIZE: 5.4" x 3.4" x 1.2"

WEIGHT: 12 oz. (340.2 g)

#### Power

One 9 Volt Battery  
Optional 12 VDC Transformer (120/240 VAC)

Battery Life: Typically 12 hours at 1/2 level;  
2 hours at full level

#### Output Sound Level

Max 92dB @ 4 ft.

Audio Frequency  
Range: 100 Hz-8 kHz



Optional Wall Speaker



Optional Protective Sleeve

This approach is superior to other masking system because VMG uses real voice frequencies to mask voice, not White or Pink noise which has been proven ineffective at masking speech. This is generally best accomplished by creating voice masks that mirror the person speaking. We also have made the VMG unit very flexible by allowing an external speaker to be connected (instead of using the built in speaker). This allows various speaker types depending on the application to be connected to target specific problem areas.

Simply turn on unit and place it against a wall or door. Audio generated through the speaker will vibrate the structure at an audio rate making it very difficult for someone else to listen to your sensitive conversation. Reducing the intelligibility of a conversation outside of a protected area is important to maintaining privacy.

VMG-20C is affordable, customizable, and simple to use.

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