

# Pipe, Duct & Wall Soundmasker

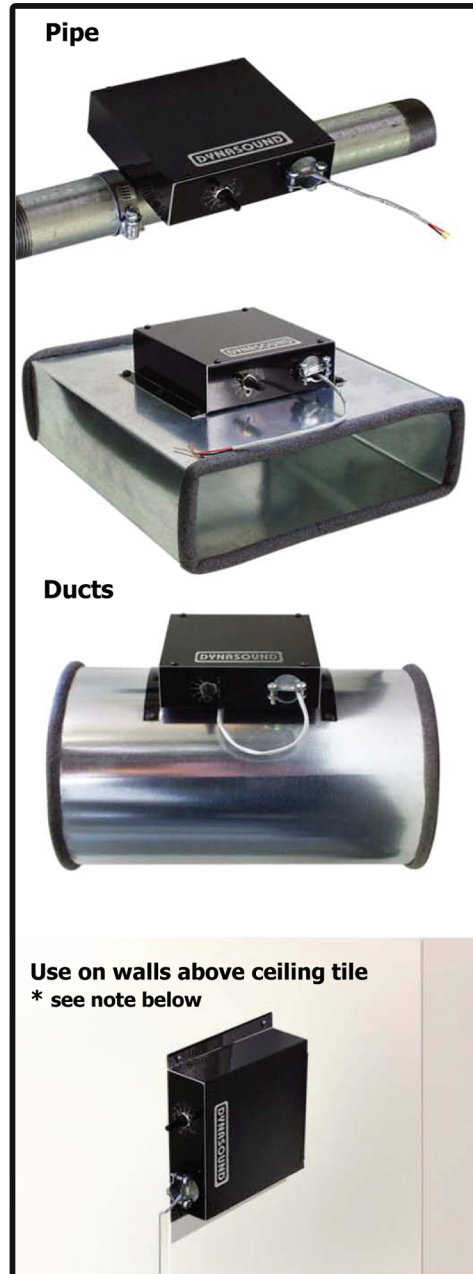
**FEATURES**

- ☐ Fills pipes, square ducts and round ducts, and walls with soundmasking
- ☐ Broad spectrum performance
- ☐ Accepts a mix of soundmasking, music, and misinformation signals
- ☐ Lightweight and easy to install
- ☐ Compact and concealable
- ☐ Easily removed for inspection
- ☐ Generates high soundmasking levels
- ☐ Does not cause pressure drop or alter air flow
- ☐ Can be driven with standard or security rated soundmasking equipment
- ☐ Does not require separate transformer
- ☐ Individual level adjustment
- ☐ Durable plenum-rated metal housing

**GENERAL APPLICATIONS**

The **American Sound Masking** ASM-2400 Pipe, Duct, and Wall Soundmasker is used to protect pipes, ducts, and walls against human and electronic eavesdropping by filling them with full bandwidth soundmasking. The unit may be attached to the exterior of any pipe or duct, square or round. It may also be attached to the vertical surface of any partition wall. Because of its small size, the ASM-2400 can be inconspicuously installed in a variety of locations while still being highly effective. The ASM-2400 is critical to the securing of pipes and ducts when **DIAM and DCID requirements for SCIF** need to be met.

The ASM-2400 Soundmasker may be used to ensure eavesdropping protection of pipes and ducts that breach the perimeter of a secure environment by resonating these penetrations, filling them with soundmasking and/or misinformation. Additionally, it resonates the plane of any wall along the perimeter of a secure environment. When controlled by **American Sound Masking** ASM-102 Series security generators and amplifiers, it also protects against sophisticated signal recovery techniques designed to capture conversations buried within the soundmasking signal.



**American Sound Masking LLC.**  
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**Phone: 800-766-8959****Fax: 877-577-5448****[www.americansoundmasking.com](http://www.americansoundmasking.com)****GENERAL DESCRIPTION OF OPERATION**

The ASM-2400 is a completely assembled soundmasking device that is ready for installation. The mounting surface of the unit is 5" X 4-15/16". It contains a non-conventional driver capable of efficient, continuous service, driven by a standard 70-volt output. The unit has a rotary switch with 1/8, 1/4, 1/2, 1, 2, and 4-Watt taps, so settings may be changed without rewiring or toggling cumbersome "jumpers". The ASM-2400 is also available without a rotary switch to prevent sabotage (*inquire when ordering*). The unit is external to the pipe or duct, so pressure or flow is unaltered.

**INSTALLATION AND OPERATION**

As previously noted, the ASM-2400 mounts to the exterior of a pipe or duct, or the surface of a wall, without causing puncture or damage to the integrity of the pipe or duct. The ASM-2400 can be wired in parallel with any E-series device. The signal should come from a power amplifier with a 70-Volt output. American Sound Masking provides a more detailed installation document for the ASM-2400.

It is important to note that the ASM-2400 is effective only if the soundmasking spectrum is set correctly. A factory-trained technician must perform this. The shape of the soundmasking spectrum must be set at the soundmasking generator and/or equalizer. The volume level of each soundmasker may be set independently by rotating the respective rotary switch. Contact American Sound Masking for specific recommendations for the proper equalization.

**SPECIFICATIONS****Driver**

Non-conventional security type.

**Enclosure**

5" X 4-15/16" X 1-3/4" steel housing with 5" X 1/2" mounting flanges parallel to unit on opposing ends. Black finish.

**Input**

70.7 Volts. Rotary switch with settings at "OFF", 1/8, 1/4, 1/2, 1, 2, and 4 Watts. Unit can be ordered from American Sound Masking without a rotary switch.

**Performance**

Additional information is available to qualified security professionals.

**ORDERING INFORMATION**

ASM-2400 Pipe, Duct & Wall Soundmasker.

Shipping weight: 2 lbs.

**\* Note: This unit must have generator/amplifier to power it. See ASM-1042 or ASM-1092 generators/amplifier.**

**Walls: Use this unit above ceiling tile when out of view of public, use ASM-2500 door/wall masker when on walls in full view of public.**

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