

## Installation Manual

**The Challenge:** Loudspeakers make sound by creating pressure waves in the sea of air that surrounds us. As these pressure waves travel throughout the room they reflect off the various surfaces. The reflections combine with the initial pressure waves and our brains "hear" the resulting combination of waves as sound. But due to the multiple reflections the resulting combined waves sound different to us than the speaker's original sound. When you install speakers in a wall, pressure waves inside the wall cavity can significantly impact the speaker's performance.

**The Solution:** Atlantic Technology's InWall Sound Pressure Damping Kit has been specifically designed to reduce or eliminate the sonic difficulties caused by these reflected pressure waves and vibrations within the walls. The carefully selected multi-density open cell polyfoam (absorbs mid and high frequencies) has been scientifically developed by one of the worlds leading manufacturers of acoustically absorbent materials, precisely to resolve

these very issues. The dense solid layers that separate the different sections of open cell foam add stiffness to the foam's structure and enhance the damping characteristics of the material.

There are two different Atlantic Technology damping kits, one designed for InWall speakers and one for enclosure speakers, that are going to be mounted "InCabinet." They consist of different materials and should be used only for their intended purpose.

**Safety Tip:** Whenever you are dealing with in-wall installations you must check for electrical wiring and plumbing lines within the wall before you make any cuts or openings. Sometimes (but not always) nearby outlets or fixtures can be a good indicator of the location of electrical lines or plumbing. Please read and follow these instructions as well as the instructions that came with your speakers regarding installation and operation.

### InWall Kit Installation

The materials in the in-wall damping kit are intended to absorb and dampen a significant amount of the acoustic energy radiating from the back of the in-wall speaker's drivers. **Please note** that the damping kit is primarily intended to enhance the sonic performance of the speakers. Its ability to reduce adjacent room sound transfer is fairly limited, and not its main purpose.

The kit contains the following pieces:

- One (1) Speaker Damping Ring
- One (1) Adjacent Wall Damping Pad
- Two (2) Damping Blocks—Top and Bottom

Please check the contents of the kit. If any part is missing or damaged, please contact Customer Service at (781) 762-6300.



