eavesdropping protection systems
designed for today, engineered for tomorrow

soundmasking solutions
to protect sensitive and confidential conversations

Dynasound, Inc. 6439 Atlantic Blvd. Norcross, GA. 30071
800-989-6275     www.soundmasking.com
Threat Analysis

When the area of concern is viewed as a six sided enclosure, the breach points can be easily identified; windows, walls, doors, ducts and utility penetrations. A properly designed audio security system protects against inadvertent and deliberate eavesdropping attempts.

- Laser listening devices are sometimes used to capture conversations from vibrations on window surfaces.
- Ductwork can be used to listen-in on conversations from several offices away or to hide listening devices.
- Doors are an obvious point of vulnerability for eavesdroppers or passers-by.
- Ceiling plenums and open return-air grills allow conversations to travel between rooms.
- Electrical conduit is a possible sound path exiting the secure space.
- Raised access floors are highly reverberant environments that can easily transmit sound between offices.
Since 1975 Dynasound has been the leading innovator in the field of electronic sound masking. Audio surveillance countermeasures, or eavesdropping protection, through the use of engineered sound is one such advancement. These solutions are regularly used to protect corporate intellectual property, mission critical conversations and national security.

Dynasound provides 70.7 volt based systems as well as state of the art networked security sound masking systems.

**Typical Breech Points Protected**

**Doors:** Door maskers provide protection from intentional eavesdroppers by applying low-level soundmasking to the door surface, filling the gaps around the door and door frame with protective sound.

**Windows:** Windows present both visual and acoustical breech points. With only visual access to the facility, sensitive laser devices and parabolic microphones can capture conversations at great distances.

**HVAC ducts:** Metal ductwork creates a highly reverberant path that carries conversations far beyond the intended perimeter. Dynasound’s duct masking devices are installed without any penetration into the duct itself, masking conversation without impeding air flow.

**Walls and Wall penetrations:** Any utility penetration creates a breech point. Pipes and conduits may transmit sound from the secured space. Even without utility penetrations an unmasked wall can be vulnerable to contact microphones and listening devices.

**Perimeter areas:** In many cases the most effective way to prevent unintentional or accidental eavesdropping is to add conventional sound masking to the perimeter area surrounding the secured space.

**Ceiling plenums and Raised access floors:** Reverberant cavities above and below office walls can easily transmit sound from one space to another.

**Portable Eavesdropping Protection**

When a SCIF (Sensitive Compartmentalized Information Facility) is not available, confidential speech privacy is still attainable with Dynasound’s PEP Pack. The Portable Eavesdropping Protection system comes complete and ready to travel.

- Uses the same technology as many permanent SCIFs
- Plug and play connections; uses easy to setup and remove attachments.
- Custom configurations and military spec Pelican® cases
Since 1975, Dynasound has secured the confidential speech privacy of many government and corporate facilities by designing and implementing soundmasking solutions to guard against eavesdropping. Our audio security clients include government agencies, defense contractors, military bases, senior level corporate offices, boardrooms and research & development facilities. Below are a few of our clients:

Aerojet Electric Systems
Allied-Signal
Arnold AFB/RDC
AT&T Tech./Guilford Center
Argonne National Labs
BAE Systems
Bank of America
Bellsouth
BF Goodrich Aerospace
Boeing
Booze Allen & Hamilton
Brown & Root
Center for Disease Control
Citigroup
Coca-Cola
Defense Intelligence Agency
Edwards AFB
Environment Research Institute
Ernst & Young
Falcon Air Station
Federal Communications Commission
Federal Reserve Bank
Fleet Bank
Ford Motor Company
Fort Belvoir
Fort Ritchie
Fort McPerson
Georgia Tech Research Institute
General Electric / Neutron Systems
General Dynamics
GTE
Hill AFB
Hewlett Packard
Honeywell Defense Systems
IBM
Kaiser Permanente
Kirtland AFB
Los Alamos Labs
Lockheed Martin
Magnavox Electric Systems
Malstrom AFB
Motorola
National Security Agency
Naval Air Engineering
Naval Intelligence Center
Naval Sea Command

Dynasound provides testing services based on ASTM standards and uses state of the art equipment. Using Larsen Davis sound level meters and dodecahedron sound sources Dynasound can measure and document Field Sound Transmission Class, Privacy Index and Speech Privacy Class ratings.