

# Modex™ Edge



*The First Stand Alone, Broad Bandwidth,  
Low Frequency Control System.*

Many rooms often exhibit poor low frequency response with significant emphasis at modal resonances. This is especially true when they are sonically well isolated, due to massive boundary construction. Porous surface absorption is ineffective at these modal frequencies, because the air particle velocity near walls and in corners is essentially zero, resulting in very low absorption efficiency. RPG developed its Modex™ line to address these problems. RPG is extremely proud to introduce a new and unique addition to the Modex™ line, called the Modex™ Edge. It is a modular, stand alone and stackable broad bandwidth resonator designed to easily fit into corners and mid-wall locations. You can now renovate existing critical listening rooms or created a new environment in a matter of minutes. The Modex™ Edge literally eliminates low frequency problems. You will be amazed at the distinctness of the transients and clarity of sound, once the Modex™ Edge removes all of the masking low frequency reverberance.



**The Sound of Innovation™**

*Many more fabric colors,  
wood species and  
combinations available.*

# Problem and Solution

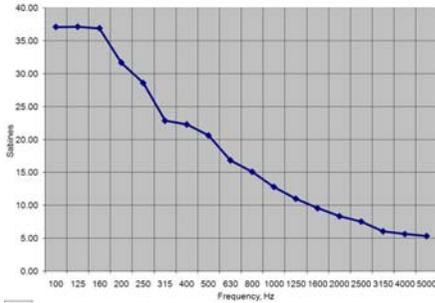
## Problem

Many rooms often suffer from low frequency modal problems. Absorption at these frequencies requires a high absorption efficiency not provided by porous materials like foam or fiberglass.

## Solution

The Modex™ Edge solves these problems by offering significant broad bandwidth absorption down to the axial mode frequencies. The Modex™ Edge represents a new generation of acoustic bass management, which is modular and effective.

## Performance Specifications



Absorption coefficient, as per ISO 354, for the Modex Edge.

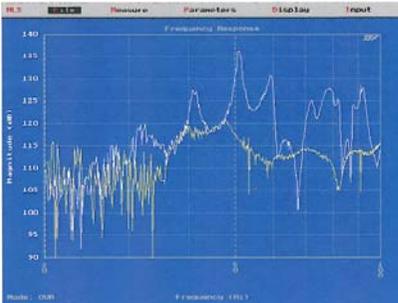


Figure 2. Modal response before introduction of the Modex Edges is shown in white. The yellow line shows the virtual elimination of modal emphasis after addition of the Modex Edges.

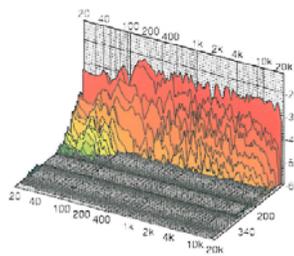
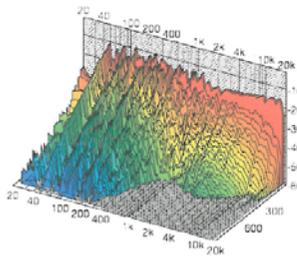


Figure 3. Before (left) and after (right) waterfall plots showing the effect of the Modex Edge on modal frequencies.

## Installation

The Modex™ Edge is modular and can be simply placed in corners and mid-wall locations as needed. The units also stack allowing floor to ceiling installation. For complete floor to ceiling span matching base and cap filler units are optional.

## FEATURES

- High-pass resonator design
- 30 - 500 Hz absorption efficiency
- Modular free-standing unit
- Fabric upholstered exterior with decorative trim.
- Corner and Mid-wall mounting

## BENEFITS

- High-pass design minimizes low frequency problems, without deadening the space
- The patented broad-bandwidth resonator design effectively minimizes all modal problems
- Corner and rear mid-wall mounting does not decrease usable real estate
- Decorative fabric and trim exterior provides a handsome addition to the room
- Removal of low frequency reverberation allows one to hear transients and clarity to aid mixing, mastering or recreational listening

## APPLICATIONS

All critical listening rooms, including recording studios, broadcast studios, home theaters, dedicated listening rooms, quality control rooms, CD mastering, film mix, dubbing stages and Foley stages.

## SPECIFICATIONS

- Size: 31.5" h x 36" w x 36" d (x 8" d)
- Weight: 70lb
- Finish: Fabric upholstered with hardwood, painted or stained framing trim. Units may also be "mummy" wrapped for no visible framing.