

# CONSTELLATION ACOUSTIC SYSTEM

## Constellation Optimizes Room Acoustics

Constellation uses patented digital technologies to liberate a room from its physical limitations by creating multiple acoustic signatures. Using a simple touchscreen interface, Constellation optimizes room acoustics for speech intelligibility or various performance styles. The technology provides unparalleled acoustic flexibility and solutions for a variety of multi-purpose spaces, including corporate offices and meeting rooms, university classrooms, restaurants, and a wide range of performance venues around the world.

## What It Is

Constellation integrates high-quality loudspeakers, microphones, digital processing, and patented VRAS™ algorithms with proprietary design and calibration services to provide a custom acoustic solution.



## How It Works

- Strategically located loudspeakers and microphones are discreetly integrated into a room to provide an acoustic profile for each room use.
- The system runs on a highly adaptable and expandable D-Mitri digital audio platform. The high resolution 96 kHz audio over Ethernet network can support even the most demanding and complex installations
- Adjustments to the reverberation time, early reflections and other parameters facilitates enhancement to voice clarity and variable sonic intimacy.
- A commissioning team supervises the installation and tuning to provide custom presets for each system.

## Key Features

- **Performance Acoustics** allows the room to support any style of entertainment with the appropriate acoustic environment.
- **Acoustic Focus** keeps conversations intimate, even in busy, crowded environments.
- **Voice Lift** allows a presenter to be heard clearly throughout the room, and facilitates audience engagement for Q&A or dialogue.
- **SpaceMap** creates imaginative immersive experiences with multi-channel panning over multiple loudspeakers.

# BUSINESS

## PUT COMMUNICATION FIRST

Improve communication in dynamic corporate meeting spaces and open offices by enhancing speech intelligibility. Presets for presentations, Q&A and break out sessions improve meeting effectiveness while Acoustic Focus allows employees to concentrate on work, even in a busy space.



# EDUCATION

## MODERN LEARNING ENVIRONMENTS

Schools can maximize budgets by consolidating several dedicated rooms into one high-performance multi-purpose space. Or a black-box performance theatre can instantly shift to a rehearsal room, lecture hall, or conference space.



IMAGINE  
THE POSSIBILITIES

# MUSIC

## A ROOM FULL OF POSSIBILITIES

Constellation immediately transforms your venue into a flexible performance environment. Free of acoustic restraints, creativity explodes as the space can change from a concert hall to a jazz club or multi-media performance environment.



# RESTAURANTS

## CUSTOMIZED AMBIENCE TO SET THE MOOD

Create a lively bar and a more intimate area for diners with a Constellation system that splits a space into separate zones, each with its own controllable acoustic signature.



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