

# Installation design and planning with d&b Revit files.



**A typical theatre, created and rendered in Autodesk modelling software. The d&b loudspeakers have been added as Revit families.**

## What is Building Information Modelling (BIM)?

BIM is a process by which a digital representation of the physical and functional characteristics of a room, facility or place is created and managed. Using a BIM tool such as Revit, a virtual 3D model integrates the design and construction processes and makes them interoperable.

Further dimensions can be included to track quantities, costs and how a project will evolve over time.

Virtual models also provide a shared knowledge resource for information that can be used by everyone involved in a

project, and are used to support decision-making regarding building assets, including loudspeaker placement and configuration.

BIM is increasingly becoming an essential part of construction projects, with many countries making the adoption of BIM practices mandatory.

The main advantage of BIM is the holistic, streamlined exchange, integration and management of project information through a multidimensional model, centrally shared between multiple project contributors.

## What is Revit?

Revit is a robust project information and collaboration tool used by the majority of architects, engineers, designers and contractors as part of the BIM process. Revit can model building components in 3D, annotate the model with 2D drafting elements, and generate building documentation from Revit models.

Each component of a model includes a detail-rich database of applicable information such as dimensions, part lists and power consumption. Once rendered, the model provides a realistic image of the completed project.

## d&b Revit families

All d&b loudspeaker systems and their accessories can now be seamlessly loaded into Revit using d&b audiotechnik Revit families. This allows consultants, architects and system integrators to include d&b loudspeakers in a Revit based BIM process at any stage of a project.

All files come complete with an information rich database that includes:

- Detailed 3D data for photorealistic renderings, including texture
- Visualisation of Special colour versions of d&b loudspeakers
- Non-branded renderings to support a neutral tender process
- Complete accessory package for holistic planning and determining quantities
- Parts list, including d&b parts numbers simplifying the order process
- Complete list of technical specifications for each product
- Line array workflow similar to ArrayCalc, up to 24 boxes
- Panning and tilting functions for accuracy
- Threaded inserts to align accessories exactly



**d&b Revit files offer highly-detail photorealistic renderings of all loudspeakers, complete with textures and appropriate accessories.**

## Advantages

Using the BIM process in construction and installation projects improves efficiency and reduces costs by eliminating conflicts in the planning process. As a BIM tool, Revit supports a collaborative design process across multiple disciplines.

The BIM workflow with soundsystems is simplified with d&b Revit files through a complete database of highly detailed technical and planning information.

Using d&b Revit files, all project participants can expect a remarkably accurate visual representation of a d&b system within a model, and a simplified workflow from planning to ordering.

In short, d&b Revit files provide an easier, richer planning experience.

d&b Revit files are available to download from [www.dbaudio.com](http://www.dbaudio.com)