




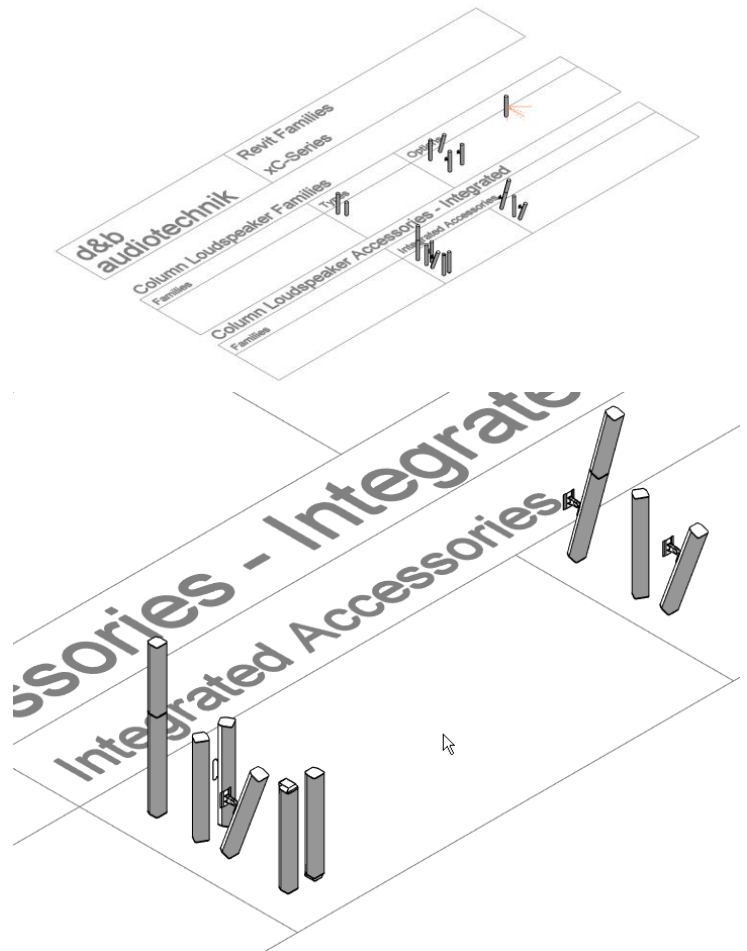
d&b audiotechnik Revit Families xC-Series - Readme

1. Overview

The d&b Revit families for the xC-Series are based on Revit version 2016 and are created as Communication Device families. All families are composed at a glance in the project d&b audiotechnik Revit Families xC-Series.rvt. It contains all components of the xC-Series. Basically, the families are split into column families and accessories families. Accessories are already integrated as nested families in the column speaker families and can be scheduled accordingly.

		Revit Families xC-Series		Version 01/21/2018	
Please observe the corresponding manuals for safe use of speakers and accessories!					
Column Loudspeaker Families					
Families		Types		Options	
d&b xC-Series 24C Column		0 0110 341		 Use the integrated and integrated accessories for the integrated accessories.	
d&b xC-Series 18C Column		0 0110 342		 Use the integrated and integrated accessories for the integrated accessories.	
Column Loudspeaker Accessories - Integrated					
Families		Integrated Accessories			
d&b xC-Series 24C-E Column Extension		0 0110 343-E Column Extension			
d&b xC-Series Wall Mount Bracket		0 0110 344			
d&b xC-Series Wall Mount Column		0 0110 345			
d&b xC-Series Mounting Adapter Column		0 0110 346			

d&b audiotechnik Revit Families xC-Series.rvt
Plan View



d&b audiotechnik Revit Families- xC-Series.rvt
Isometric Views

2. How to add d&b families into your project

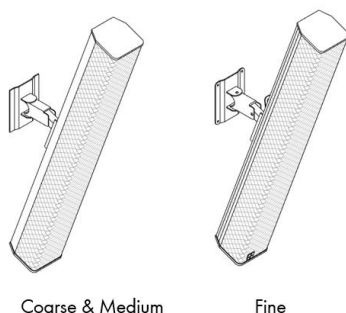
1. Open your project.
2. Open the *d&b audiotechnik Revit Families xC-Series.rvt*.
3. In this project, select a family.
4. In the *Modify* menu run *Edit Family*.
This opens the Family Editor.
5. From here, run *Load into Project* (or *Load into Project and Close*) and select your project.
The family is available now in the project browser of your project under *Families > Communication Devices*. The family types can be dragged into your drawing area.
The nested families are also automatically loaded into your project and show up in the project browser.
6. You can close the family you have opened. You do not need to save it, as all families and types are still available in the *d&b audiotechnik Revit Families xC-Series.rvt*.

Notes:

We do not recommend to run "Copy and Paste" from project to project, as this will copy only the selected type into your project. You may miss additional types in a later phase.

3. Detail Levels

The d&b audiotechnik families support the Detail Levels Coarse, Medium and Fine.










4. Materials

d&b audiotechnik Materials are already set in the Properties of the families. The materials are also defined for visualization in Revit.

xC-Series loudspeaker and accessories are available in black or white as well as in Special Color according to the RAL table. Parts that can have a different material are:

Enclosure: d&b Aluminium Black / d&b Aluminium White
Grill: d&b xC Metal Grill Black / d&b xC Metal Grill White
Accessories: d&b Metall Black / d&b Metall White

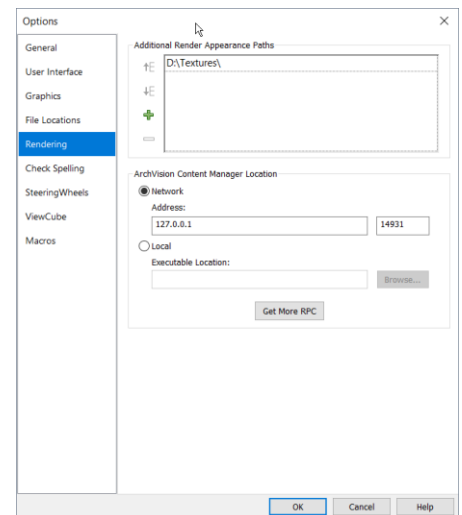
The xC-Series is using custom textures for the grill.

	d&b Aluminium Black
	d&b Aluminium White
	d&b Metall Black
	d&b Paint White
	d&b Text
	d&b xC Metal Grill Black
	d&b xC Metal Grill White

d&b audiotechnik Revit Families xC-Series - Readme

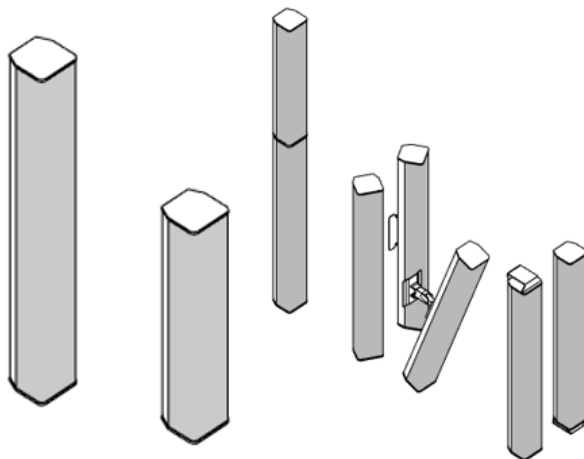
In order to view these materials properly in realistic views and renderings:

1. Extract the Textures.zip from the Revit ZIP-archive.
2. In Revit, run Menu Browser > Options (File menu in Revit versions later than 2016), switch to the Render tab and set the "Additional Render Appearance Paths" in the Revit Options dialog to the folder where you have unzipped the jpg's (in the screenshot, the textures have been extracted to D:\Textures).



5. Column speaker families

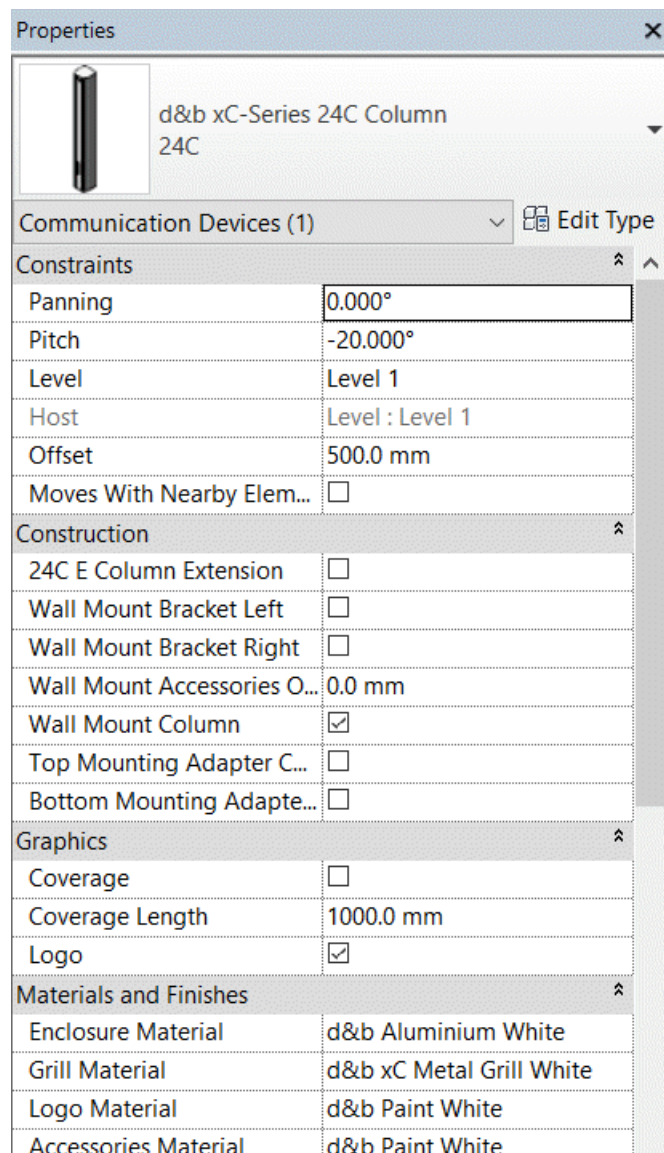
The column speaker families are usually placed on a level. Pitch, Panning parameters allow you to rotate them according to the installation. Use the Offset parameter in the Properties to set the component on a specific height. Coverage lines can be shown. Note that accessories show up only with selected settings for Pitch & Panning.



Column Speakers


Integrated accessories

6. Column speaker families properties



Properties

d&b xC-Series 24C Column
24C

Communication Devices (1)  Edit Type

Constraints

Panning	0.000°
Pitch	-20.000°
Level	Level 1
Host	Level : Level 1
Offset	500.0 mm
Moves With Nearby Elem...	<input type="checkbox"/>

Construction

24C E Column Extension	<input type="checkbox"/>
Wall Mount Bracket Left	<input type="checkbox"/>
Wall Mount Bracket Right	<input type="checkbox"/>
Wall Mount Accessories O...	0.0 mm
Wall Mount Column	<input checked="" type="checkbox"/>
Top Mounting Adapter C...	<input type="checkbox"/>
Bottom Mounting Adapte...	<input type="checkbox"/>

Graphics

Coverage	<input type="checkbox"/>
Coverage Length	1000.0 mm
Logo	<input checked="" type="checkbox"/>

Materials and Finishes

Enclosure Material	d&b Aluminium White
Grill Material	d&b xC Metal Grill White
Logo Material	d&b Paint White
Accessories Material	d&b Paint White

Constraints

Panning and Pitch defines the rotation of the speaker in 2 axis.

Construction

Check boxes to set the accessories.

Please select only one of the accessories.

Exception:

The Column extension can be activated additionally in combination with Wall Mount Bracket Left / Right and Wall Mount Column)

Use the Wall Mount Accessories Offset Center parameter to define the position of the wall mount bracket or wall mount column.

The Wall Mount Brackets are not displayed when a Pitch value is set.

Graphics

Shows the coverage lines and the length of the Coverage lines. Further the d&b Logo can be deactivated.

Materials

Assigns the d&b materials for selected components of the column speakers and accessories.

9. Type properties

Additional data is integrated in the type properties of the families and can be schedules, such as *Part Number* and the properties under the *Data* group.

10. Schedules



Note the *Communication Device* Schedule in *d&b audiotechnik Revit Families xC-Series.rvt*. It counts the components including their data.

d&b audiotechnik Revit Families xC-Series - Readme

A	B	C	D	E
Family	Type	Manufacturer	Model	Part Number
d&b xC-Series 24C Column	24C	d&b audiotechnik GmbH	24C Column Loudspea	Z1700
d&b xC-Series 24C Column	24C	d&b audiotechnik GmbH	24C Column Loudspea	Z1700
d&b xC-Series 24C Column	24C	d&b audiotechnik GmbH	24C Column Loudspea	Z1700
d&b xC-Series 24C Column	24C	d&b audiotechnik GmbH	24C Column Loudspea	Z1700
d&b xC-Series 24C-E Column Extension	24C-E Column Extension	d&b audiotechnik GmbH	24C-E Column Loudspe	Z1710
d&b xC-Series 24C Column	24C	d&b audiotechnik GmbH	24C Column Loudspea	Z1700
d&b xC-Series 24C Column	24C	d&b audiotechnik GmbH	24C Column Loudspea	Z1700
d&b xC-Series 24C Column	24C	d&b audiotechnik GmbH	24C Column Loudspea	Z1700
d&b xC-Series 24C Column	24C	d&b audiotechnik GmbH	24C Column Loudspea	Z1700
d&b xC-Series 24C Column	24C	d&b audiotechnik GmbH	24C Column Loudspea	Z1700
d&b xC-Series 24C Column	24C	d&b audiotechnik GmbH	24C Column Loudspea	Z1700
d&b xC-Series 24C-E Column Extension	24C-E Column Extension	d&b audiotechnik GmbH	24C-E Column Loudspe	Z1710
d&b xC-Series 24C Column	24C	d&b audiotechnik GmbH	24C Column Loudspea	Z1700
d&b xC-Series Mounting Adapter Column	Mounting Adapter Column	d&b audiotechnik GmbH	Mounting Adapter Colu	Z5446

11. Tags

You can use the integrated d&b annotation tag to automatically annotate the types with part number or Type name.

	Z1700	24C		Z1710	24C-E Column Extension
	Z1720	16C	 	Z1700	Wall Mount Bracket
				Z5442	Wall Mount Column
			 	Z5446	Mounting Adapter Column