

d&b audiotechnik Revit Families E-Series README

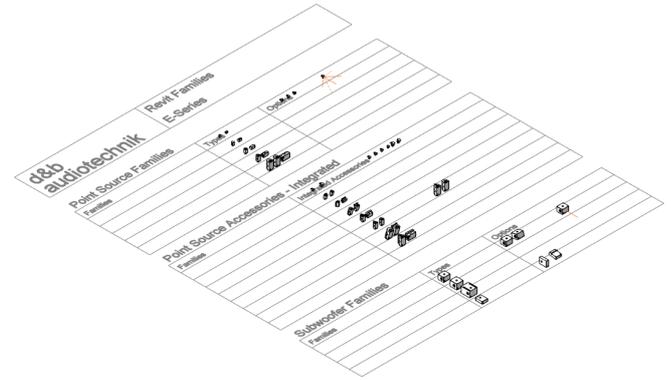
1. Overview

The d&b Revit families 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 E-Series.rvt*. Basically, the families are split into point source families, subwoofer families and accessories families. Where applicable, accessories are already integrated as nested families in the speaker and subwoofer families and can be scheduled accordingly.

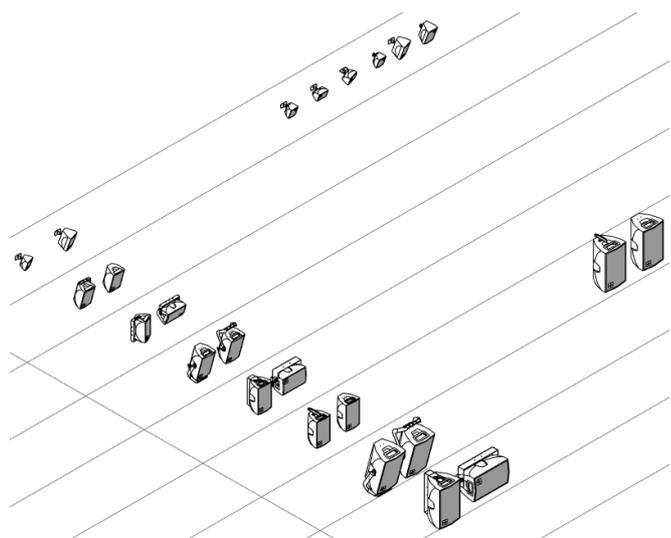
Point Source Families		
Families	Types	Options
d&b E-Series E+ Point Source	1	1
d&b E-Series E5 Point Source	1	1
d&b E-Series E6 Point Source	1	1
d&b E-Series E8 Point Source	1	1
d&b E-Series E12 Point Source	1	1

Point Source Accessories - Integrated	
Families	Integrated Accessories
d&b E-Series E81201 Adapter	1
d&b E-Series E85001 Bracket	1
d&b E-Series E85002 Bracket	1
d&b E-Series E85003 Bracket	1
d&b E-Series E85004 Bracket	1
d&b E-Series E85005 Bracket	1
d&b E-Series E85006 Bracket	1
d&b E-Series E812 Flying Adapter	1
d&b E-Series E12 Flying Bracket	1
d&b E-Series E12 Horizontal Bracket	1

Subwoofer Families		
Families	Types	Options
d&b E-Series E120 Subwoofer	1	1
d&b E-Series E150 Subwoofer	1	1
d&b E+ Subwoofer	1	1
d&b E8 Subwoofer	1	1



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



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

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

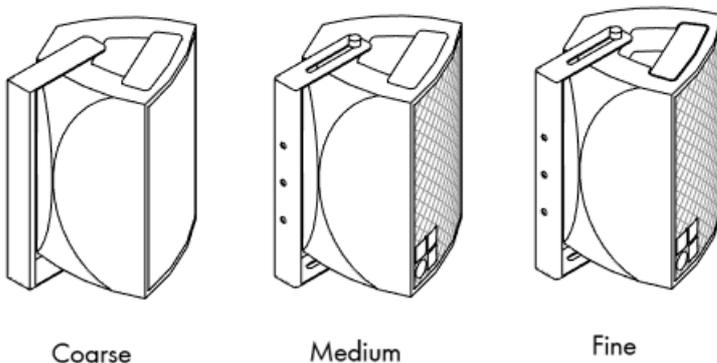
1. Open your project.
2. Open the *d&b audiotechnik Revit Families E-Series.rvt*.
3. In this project, select a family.
4. In the *Modify* menu run *Edit Family*.
This opens the Family Editor.
5. From here, run *Load into Project* (or *Load into Project and Close*) and select your project.
The family 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.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 already set for visualization in Revit. Refer to website or manual to check if Special Colour versions are available. d&b colours the products according to the RAL table.

Enclosure: d&b Paint Black
Grill: d&b E Metal Grill Black
Logo: d&b E Metal Logo Black
Accessories: d&b Metal Black

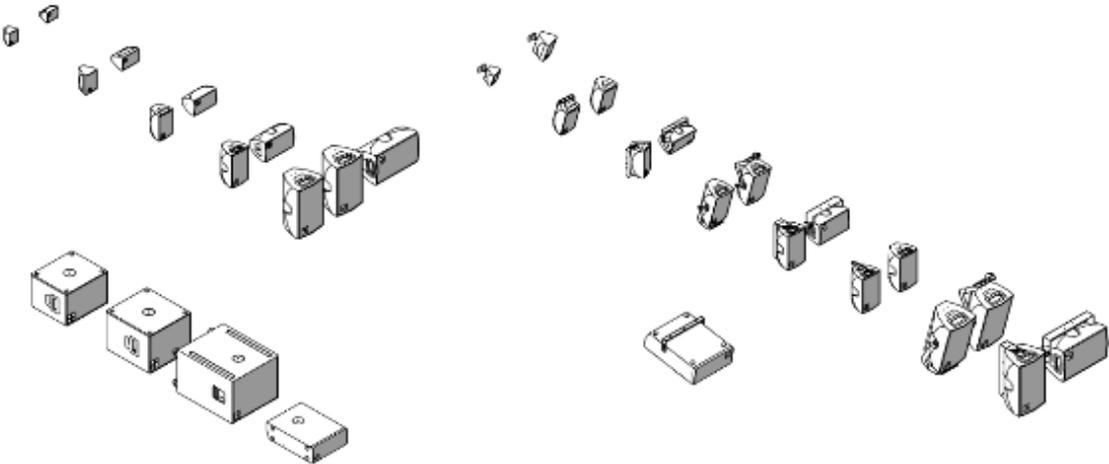
The d&b always black Material is used for parts of the components, which you cannot order in a different color.

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



5. Point source families

The point source families are usually placed on a level. Pitch, Panning & Rotation 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 and rotated horn can be shown. Note that accessories show up only with selected settings for Pitch, Panning & Rotation. Additional accessories can be placed manually.



Speakers & Subs

Integrated accessories

6. Point source families properties

The screenshot shows the Revit Properties window for a d&b E-Series E12 Point Source speaker. The window is titled 'Properties' and has a close button (X) in the top right corner. Below the title bar, there is a small image of the speaker and the text 'd&b E-Series E12 Point Source E12'. Below this, there is a dropdown menu showing 'Communication Devices (1)' and an 'Edit Type' button. The main area of the window is divided into several property groups, each with a header and expand/collapse arrows. The 'Constraints' group is expanded, showing properties like Pitch, Rotation, Panning, Level, Host, Offset, and Moves With Nearby El... The 'Construction' group is also expanded, showing properties like Rotated Horn, Top Flying Bracket, Bottom Flying Bracket, Top Flying Adapter, Bottom Flying Adapter, Top Horizontal Bracket, and Wall Mount Horizontal... The 'Graphics' group is expanded, showing Coverage, Coverage Length, and Logo. The 'Materials and Finishes' group is expanded, showing Accessories Material, Enclosure Material, Grill Material, Logo Material, and Metal Material.

Constraints	
Pitch	0.000°
Rotation	0.000°
Panning	0.000°
Level	Level 1
Host	Level : Level 1
Offset	1000.0 mm
Moves With Nearby El...	<input type="checkbox"/>

Construction	
Rotated Horn	<input type="checkbox"/>
Top Flying Bracket	<input type="checkbox"/>
Bottom Flying Bracket	<input type="checkbox"/>
Top Flying Adapter	<input type="checkbox"/>
Bottom Flying Adapter	<input type="checkbox"/>
Top Horizontal Bracket	<input type="checkbox"/>
Wall Mount Horizontal...	<input checked="" type="checkbox"/>

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

Materials and Finishes	
Accessories Material	d&b Metal Black
Enclosure Material	d&b Paint Black
Grill Material	d&b E Metal Grill Black
Logo Material	d&b E Metal Logo Bl...
Metal Material	d&b Metal Black

Constraints

Pitch, Panning and Rotation defines the rotation of the speaker in 3 axis.

When Panning is not available for selected families, use the Revit Rotate tool.

Construction

Check boxes to set the accessories.

Please select only one of the accessories.

Notes:

Some of the accessories are only displayed, if this is allowed by the Rotation, Panning or Pitch value, i.e. the Wall Mount Horizontal Bracket is not shown with rotation 0.000 degree, but with 90 or -90 degree. Note the sample settings in the d&b audiotechnik Revit Families E-Series.rvt

Graphics

Shows the coverage lines and the length of the Coverage lines. Further the d&b Logo can be deactivated. If you select *Rotated Horn* under the *Construction* group, Coverage lines will be rotated as well.

Materials

Assigns the d&b materials for selected components of speakers, subs 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.

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10. Schedules

Note:

The *Communication Device* Schedule in *d&b audiotechnik Revit Families E-Series.rvt*.

It counts the components including their data.

A	B	C	D	E
Family	Type	Manufacturer	Model	Part Number
d&b E-Series E4 Point Source	E4	d&b audiotechnik GmbH	E4 Loudspeaker	Z0440
d&b E-Series E4 Point Source	E4	d&b audiotechnik GmbH	E4 Loudspeaker	Z0440
d&b E-Series E4 Point Source	E4	d&b audiotechnik GmbH	E4 Loudspeaker	Z0440
d&b E-Series E4 Point Source	E4	d&b audiotechnik GmbH	E4 Loudspeaker	Z0440
d&b E-Series E4 Point Source	E4	d&b audiotechnik GmbH	E4 Loudspeaker	Z0440
d&b E-Series E4 Point Source	E4	d&b audiotechnik GmbH	E4 Loudspeaker	Z0440
d&b E-Series E5 Point Source	E5	d&b audiotechnik GmbH	E5 Loudspeaker	Z0450
d&b E-Series E5 Point Source	E5	d&b audiotechnik GmbH	E5 Loudspeaker	Z0450
d&b E-Series E6 Point Source	E6	d&b audiotechnik GmbH	E6 Loudspeaker	Z0350
d&b E-Series E6 Point Source	E6	d&b audiotechnik GmbH	E6 Loudspeaker	Z0350
d&b E-Series E6 Point Source	E6	d&b audiotechnik GmbH	E6 Loudspeaker	Z0350
d&b E-Series E6 Point Source	E6	d&b audiotechnik GmbH	E6 Loudspeaker	Z0350
d&b E-Series E12X Subwoofer	E12X SUB	d&b audiotechnik GmbH	E12X-SUB subwoofer	Z0210
d&b E-Series E4 Point Source	E4	d&b audiotechnik GmbH	E4 Loudspeaker	Z0440
d&b E-Series E4 Point Source	E4	d&b audiotechnik GmbH	E4 Loudspeaker	Z0440
d&b E-Series E4 Point Source	E4	d&b audiotechnik GmbH	E4 Loudspeaker	Z0440
d&b E-Series E4 Point Source	E4	d&b audiotechnik GmbH	E4 Loudspeaker	Z0440
d&b E-Series Ball Joint Adapter	Ball Joint Adapter	d&b audiotechnik GmbH	xS Wall Mount S	Z5422
d&b E-Series Ball Joint Adapter	Ball Joint Adapter	d&b audiotechnik GmbH	xS Wall Mount S	Z5422
d&b E-Series Ball Joint Adapter	Ball Joint Adapter	d&b audiotechnik GmbH	xS Wall Mount S	Z5422
d&b E-Series Ball Joint Adapter	Ball Joint Adapter	d&b audiotechnik GmbH	xS Wall Mount S	Z5422
d&b E-Series Ball Joint Adapter	Ball Joint Adapter	d&b audiotechnik GmbH	xS Wall Mount S	Z5422
d&b E-Series Ball Joint Adapter	Ball Joint Adapter	d&b audiotechnik GmbH	xS Wall Mount S	Z5422
d&b E-Series Ball Joint Adapter	Ball Joint Adapter	d&b audiotechnik GmbH	xS Wall Mount S	Z5422
d&b E-Series Ball Joint Adapter	Ball Joint Adapter	d&b audiotechnik GmbH	xS Wall Mount S	Z5422
d&b E-Series Ball Joint Adapter	Ball Joint Adapter	d&b audiotechnik GmbH	xS Wall Mount S	Z5422
d&b E-Series E5 Point Source	E5	d&b audiotechnik GmbH	E5 Loudspeaker	Z0450
d&b E-Series E5 Point Source	E5	d&b audiotechnik GmbH	E5 Loudspeaker	Z0450
d&b E-Series E6 Swivel Bracket	E6 Swivel Bracket	d&b audiotechnik GmbH	E6 Swivel Bracket	Z5377
d&b E-Series E6 Swivel Bracket	E6 Swivel Bracket	d&b audiotechnik GmbH	E6 Swivel Bracket	Z5377
d&b E-Series E6 Point Source	E6	d&b audiotechnik GmbH	E6 Loudspeaker	Z0350
d&b E-Series E6 Point Source	E6	d&b audiotechnik GmbH	E6 Loudspeaker	Z0350
d&b E-Series E6 Point Source	E6	d&b audiotechnik GmbH	E6 Loudspeaker	Z0350
d&b E-Series E6 Horizontal Bracket	E6 Horizontal Bracket	d&b audiotechnik GmbH	E6 Horizontal Bracket	Z5378
d&b E-Series E6 Horizontal Bracket	E6 Horizontal Bracket	d&b audiotechnik GmbH	E6 Horizontal Bracket	Z5378
d&b E-Series E8 Point Source	E8	d&b audiotechnik GmbH	E8 Loudspeaker	Z0620
d&b E-Series E8 Point Source	E8	d&b audiotechnik GmbH	E8 Loudspeaker	Z0620
d&b E-Series E8 Point Source	E8	d&b audiotechnik GmbH	E8 Loudspeaker	Z0620
d&b E-Series E8 Flying Bracket	E8 Flying Bracket	d&b audiotechnik GmbH	E8 Flying Bracket	Z5350
d&b E-Series E8 Point Source	E8	d&b audiotechnik GmbH	E8 Loudspeaker	Z0620
d&b E-Series E8 Flying Bracket	E8 Flying Bracket	d&b audiotechnik GmbH	E8 Flying Bracket	Z5350
d&b E-Series E8 Point Source	E8	d&b audiotechnik GmbH	E8 Loudspeaker	Z0620

11. Tags

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

  Z0620 E8

   Z0601 E12
   Z0602 E12-D