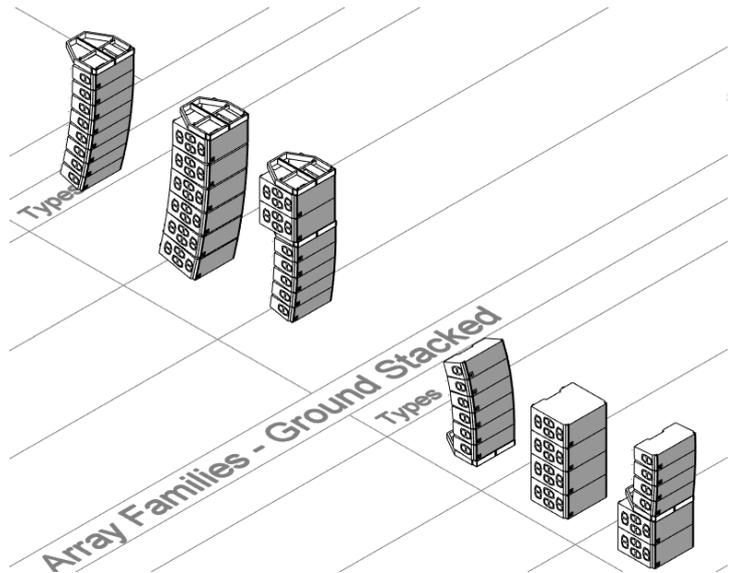
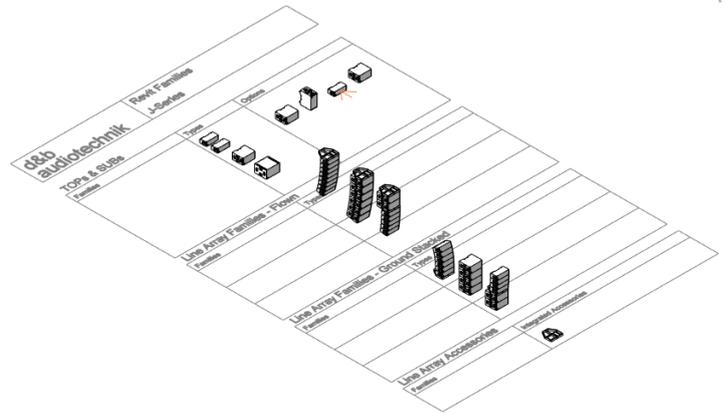


# d&b audiotechnik Revit Families J-Series README

## 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 J-Series.rvt*. It contains all components of the J-series. Basically, the J-Series contain TOPs, SUBs, line array families and accessories families. Where applicable, accessories are already integrated as nested families in the speaker and subwoofer families and can be scheduled accordingly.

TOPs & SUBs				
Families	Types	Options		
d&b J-Series TOP	<table border="1"> <tr><td>TOP 20</td></tr> <tr><td>TOP 27</td></tr> </table>	TOP 20	TOP 27	
TOP 20				
TOP 27				
d&b J-Series J-Sub	<table border="1"> <tr><td>TOP 20</td></tr> <tr><td>TOP 27</td></tr> </table>	TOP 20	TOP 27	<p>Bitte beachten Sie: Entsprechend muss in der d&amp;b-Software die entsprechende Option eingestellt sein!</p>
TOP 20				
TOP 27				
d&b J-Series J-SubFR	<table border="1"> <tr><td>TOP 20</td></tr> <tr><td>TOP 27</td></tr> </table>	TOP 20	TOP 27	
TOP 20				
TOP 27				
Line Array Families - Flown				
Families	Types	Options		
d&b J-Series Flown Array - Line speaker	<table border="1"> <tr><td>FLN 24 TOP</td></tr> </table>	FLN 24 TOP	<p>Bitte beachten Sie: Entsprechend muss in der d&amp;b-Software die entsprechende Option eingestellt sein!</p>	
FLN 24 TOP				
d&b J-Series Flown Array - Sub	<table border="1"> <tr><td>FLN 14 Sub</td></tr> </table>	FLN 14 Sub		
FLN 14 Sub				
d&b J-Series Flown Array - Sub-6 Line speaker	<table border="1"> <tr><td>FLN 6 Sub, FLN 20 TOP, FLN 24 c 200 m</td></tr> </table>	FLN 6 Sub, FLN 20 TOP, FLN 24 c 200 m		
FLN 6 Sub, FLN 20 TOP, FLN 24 c 200 m				
Line Array Families - Ground Stacked				
Families	Types	Options		
d&b J-Series Ground Stacked Array - Line speaker	<table border="1"> <tr><td>GSN 6 TOP</td></tr> </table>	GSN 6 TOP		
GSN 6 TOP				
d&b J-Series Ground Stacked Array - Sub	<table border="1"> <tr><td>GSN 6 Sub</td></tr> <tr><td>GSN 6 Sub, FLN 6 TOP</td></tr> </table>	GSN 6 Sub	GSN 6 Sub, FLN 6 TOP	
GSN 6 Sub				
GSN 6 Sub, FLN 6 TOP				
Line Array Accessories				
Families	Integrated Accessories	Options		
d&b J-Series Flyg Frame	<table border="1"> <tr><td>FLY 200</td></tr> </table>	FLY 200		
FLY 200				



*d&b audiotechnik Revit Families J-Series.rvt*

*Plan View*

*d&b audiotechnik Revit Families J-Series.rvt*

*Isometric Views*

# d&b audiotechnik Revit Families J-Series README

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

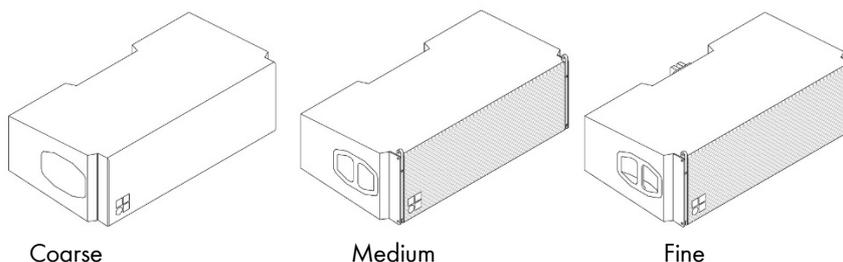
1. Open your project.
2. Open the *d&b audiotechnik Revit Families J-Series.rvt*
3. In this project, select a family.
4. In the *Modify* menu run *Edit Family*.  
This opens the Family Editor.
5. From here, run *Load into Project* (or *Load into Project and Close*) and select your project.  
The family 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 J-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 already predefined for visualization in Revit.

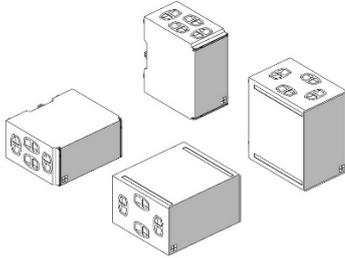
Refer to website or manual to check if Special Colour versions are available. d&b colours the products according to the RAL table. Parts that will be painted are the cabinet, grill and front rigging (d&b Metal Black). The *d&b always black* Material is used for parts of the components, which you cannot order in a different color.

The J-Series is using standard Revit materials. In case you want to create custom materials, duplicate the materials and material assets for enclosure, grill and paint, and assign it to the properties of a speaker or subwoofer. You can use the "Tint" option in the Appearance tab of the Materials dialog to define custom colours.

Materials and Finishes ^	
Enclosure Material	d&b Paint Black
Grill Material	d&b Metal Grill Black
Metal Material	d&b Metal Black

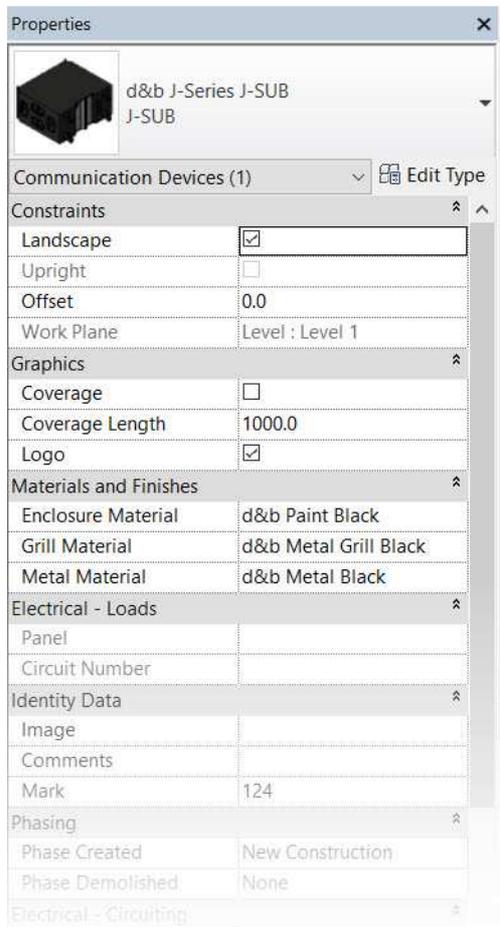
## 5. Subwoofer families

The subwoofer families are usually placed on a level. Use the Offset parameter in the Properties to set the component on a specific height. The "Landscape" and "Upright" parameters place the subwoofers in horizontal or vertical orientation.



SUBs with "Landscape" and "Upright" orientation

## 6. Subwoofer families properties



### Constraints

The "Landscape" and "Upright" parameters place the subwoofers in horizontal or vertical orientation.

### Graphics

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

### Materials

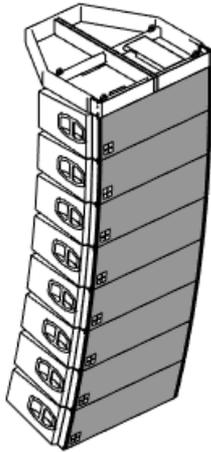
Assignment of d&b materials for the different components of the families. For custom materials, note the chapter 4. Materials

## 7. Loudspeaker families

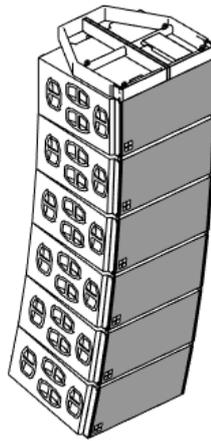
The TOPs of the J-Series are integrated in the line array families. All loudspeaker properties can be set in the line array families.

## **8. Line array families**

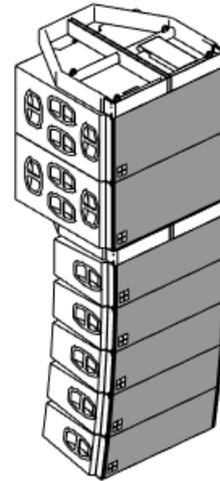
Instead of combining single speakers or subs manually to a line array in a Revit project (which is likely a cumbersome task), we have developed predefined line array families. They consist of nested families such as speakers, subs and frames. As they are nested families, they show up in the schedules. Various property settings allow to set up the line arrays. There are separate line array families for mobile and installation. The number of subs and speakers and their angles can be set in the properties. In general, we differ between the following line arrays:



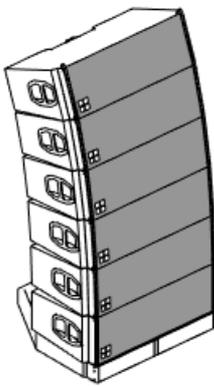
Flown array  
TOPs



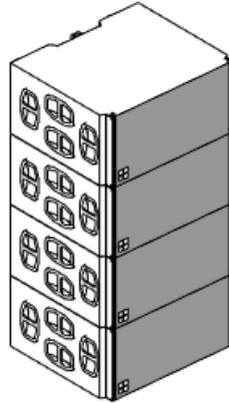
Flown array  
SUBs



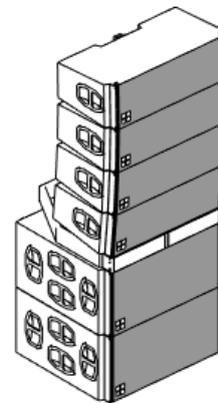
Flown array  
SUBs & TOPs



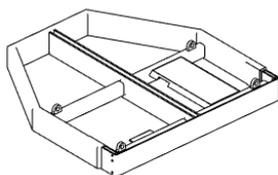
Ground stacked array  
TOPs



Ground stacked array  
SUBs



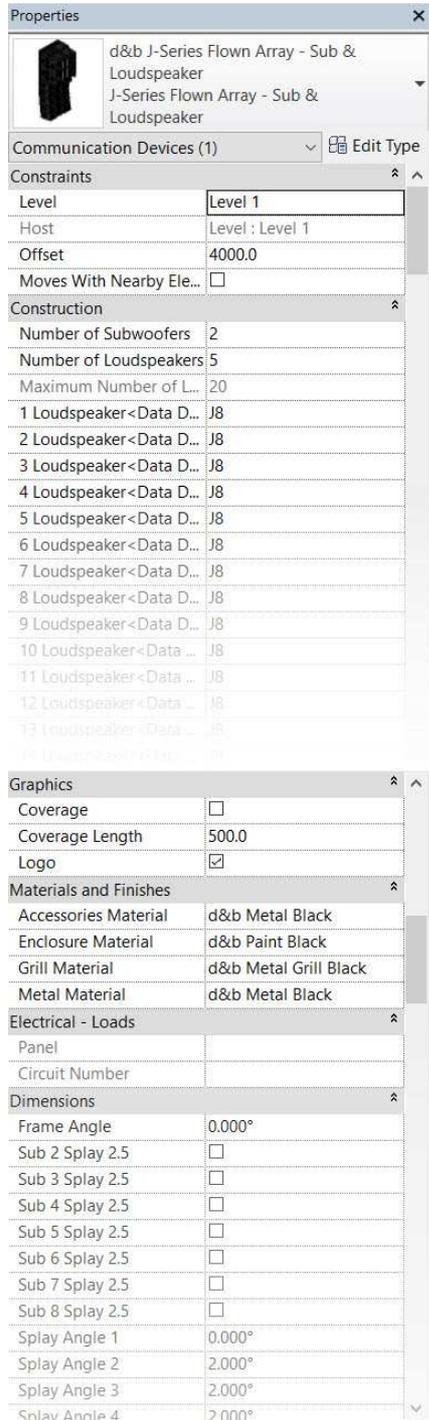
Ground stacked array  
SUBs & TOPs



Integrated accessories

**9. Line array families properties**

The screenshot shows a sub & loudspeaker array. Sub arrays and Loudspeaker arrays have slightly different properties.



The Offset value defines the bottom height of the top frame.

**Construction**

Number of Subwoofers and Loudspeakers

The maximum number of loudspeakers and subwoofers is shown as note.

**Please observe the corresponding rigging manuals for safe use and check the load limits using ArrayCalc!**

1 Loudspeaker	[J8 or J12]
2 Loudspeaker	[J8 or J12]
3 Loudspeaker	[J8 or J12]

Defines the use of J8/J12 speakers, the prefix number stands for the position, measured from top for flown arrays, from bottom for ground stacked arrays.

**Graphics**

Shows the coverage lines and the length of the Coverage lines.

Further the d&b Logo can be deactivated.

**Materials**

Assignment of d&b materials for the different components of the families.

**Dimensions**

Here you set the angles between the SUBs and TOPs. Make sure that you set the values according the d&b audio installation manuals, as Revit would allow any values!

SUBs: 0° or 2.5°

J8, J12: 0°;1°;2°;...;7°

## 10. 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.

Type Properties

Family:  Load...

Type:  Duplicate... Rename...

Type Parameters

Parameter	Value
<b>Constraints</b>	
Default Elevation	0.0
<b>Dimensions</b>	
Height	360.0
Width	1100.0
Depth	570.0
<b>Identity Data</b>	
Part Number	Z0651
Support Email	support@dbaudio.com
Support Phone	+49 7191 9669-0
Type Image	
Keynote	
Model	J12
Manufacturer	d&b audiotechnik
URL	<a href="http://www.dbaudio.com/">http://www.dbaudio.com/</a>
<b>Type Comments</b>	
Description	Line array module for largscale sound reinf
Assembly Code	
Cost	
Assembly Description	
Type Mark	
OmniClass Number	23.85.10.11.14.14.14
OmniClass Title	Loudspeakers
Code Name	
<b>Data</b>	
Frequency Range Low (-5 dB Standard)	48.00 Hz
Frequency Range High (-5 dB Standard)	17000.00 Hz
SPL Stimulus	Broadband pink noise, crest factor 4
Cabinets per D80/30D	2 (AP), 4 (Line or Arc)
Power Handling Capacity LF Front Peak 1	2000.00 W
Power Handling Capacity LF Front RMS	500.00 W
Power Handling Capacity MHF Peak 10 m	800.00 W
Power Handling Capacity MHF RMS	200.00 W
<b>Coverage Horizontal</b>	<b>120.000°</b>
Splay Angle Maximum	7.000°
Splay Angle Minimum	0.000°
Weight	60.000 kg
LF Front Diameter	12"
LF Front Quantity	2
MF Diameter	10"
MF Quantity	1
HF Diameter	3"
HF Quantity	2
HF Exit	1.4"
Connections	2xNLT4F/M or 2xEP5 or NL8
Cabinet Materials	Marine Plywood
Cost MSRP	0.00
Cost Project	0.00

<< Preview OK Cancel Apply

