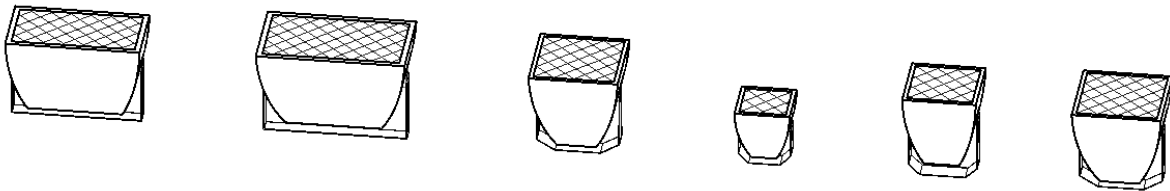


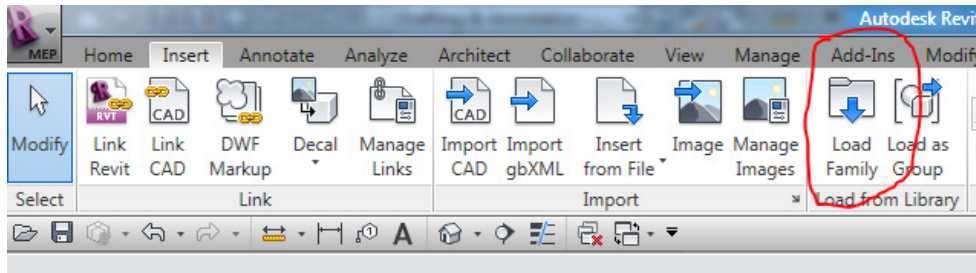
JBL AW Series BIM Family R14 – User Guide

This family builds all speaker products in the JBL AW series, and includes the mounting bracket. The .rfa file and the .txt type catalog file must be placed in the same directory in order to work correctly. The family is in the Revit 2014 file format.



To load the family:

- In your Revit project file, go to the Insert tab on the ribbon and select “Load Family”.



- Browse to the directory where you saved the family and select it.
- You should get a pop-up window that lists all of the various speaker models available within the family. Select the models you wish to load into the project. You can use ctrl+click and shift+click for multiple selections, and the dialogue box allows for sorting and filtering by various criteria to find the models you want.
 - If you do not get a pop-up list of speaker models, check to ensure that the family file and catalog file are stored in the same directory and have the same name.

To use the family in your project:

- Find the speaker model you want in the project browser and drag it onto the view you wish to place it in.
- The default bracket orientation is intended for mounting on a vertical surface, such as a wall. To rotate the bracket 90 degrees for hanging from a ceiling, the underside of a balcony, etc. check the “Underhung” option. In addition to rotating the bracket, this option remaps the azimuth, pitch and rotation reporting so that they accurately reflect the speaker aiming.

This is a face-hosted family. This means that you can place the speaker on any face in the project, including ceilings, walls, soffits, etc., and it can be used from within linked model environments.

Note: if you insert the speaker using the 'Place on Work Plane' option and it inserts 'upside down' (i.e. facing up) your work plane was drawn left to right instead of right to left. You can either flip the orientation of the workplane, or delete it and redraw it.

- The following adjustments can be made to the speakers once inserted:
 - Speaker Rotation: Rotates the speaker within the bracket. Positive values tip the speaker up, negative values tip the speaker down.
 - Bracket Rotation: Rotates the mounting bracket in a clockwise direction. Negative numbers will rotate the bracket counter-clockwise.

Note: If scheduling aiming information, do not use the mirror command to mirror a speaker location. The aiming information will not adjust for the new location, and you will get the same positive (or negative) value for Azimuth as the source location.

A word about parameters:

This family contains information using shared parameters that are (mostly) compliant with the Infocomm BIM standard. Many of them are self-explanatory, but a few should be noted here:

Weight Product and Weight Dimensional: These parameters are intended to represent the net weight and the shipping weight of the speaker. Weight in the families is given in pounds, however the Infocomm BIM standard does not give any indication of units (the parameter is just a number parameter). Revit will not automatically convert these values between Imperial and Metric units as it does not know which units are being used.

For more information on the Infocomm BIM parameters go to www.infocomm.org

A word about tolerances:

Certain geometric simplifications were used to keep the file size of the Revit family under control, such as squaring off radius edges. Between this and typical manufacturing tolerances for speaker products, the dimensional tolerance of any particular speaker should be assumed to be approx. $\pm \frac{1}{4}$ ".