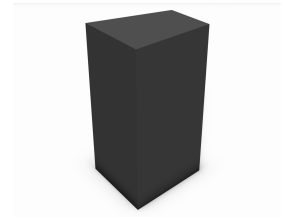


# REVIT CONTENT GUIDE



<b>Manufacturer:</b>	Meyer Sound Laboratories Inc.
<b>File:</b>	Loudspeaker-Ultra_Series-Meyer_Sound-Compact-VariO.rfa
<b>Type Catalog:</b>	Not Applicable
<b>Rendering file:</b>	Not Applicable
<b>Schedule file:</b>	Schedule - Loudspeaker-Ultra_Series-Meyer_Sound-Compact-VariO.rvt

## Instance Properties

<b>Adsk Model Properties</b>	
Array Adapter is Floor Mounted	<input type="checkbox"/>
Chain Length	20.000
Speaker is Flown	<input type="checkbox"/>
<b>Construction</b>	
Availability	Available
Has MAA UPJ Array Adapter	<input type="checkbox"/>
Has MAAM UPJ Array Adapter	<input type="checkbox"/>
Has MLB UPJ Bracket	<input type="checkbox"/>
Has MUB UPJ Bracket	<input type="checkbox"/>
Has MYA UPJ Yoke	<input type="checkbox"/>
<b>Dimension</b>	
Arrayed Speaker Angle Actual	0.000°
Arrayed Speaker Angle Desired	0.000°
Speaker Tilt Angle	0.000°
U Bracket Angle	90.000°
Yoke Angle	0.000°
<b>Graphics</b>	
Has Snap Locations	<input checked="" type="checkbox"/>
Show Decorrelation Distance	<input type="checkbox"/>
Show Dispersion Area	<input type="checkbox"/>
Show Half Reverb Radius	<input type="checkbox"/>
Show Reverb Radius	<input type="checkbox"/>
Sound Dispersion Distance	20.000
<b>Identity Data</b>	
Accessory Part Number	No Selection Made
Equipment Number	
Part Description	48 V DC Compact VariO Loudspeaker with External Power Supply
Part Number	UPJ-1XP

## Type Properties

The family contains the following 2 types:  
 Standard (Values for this type are shown below)  
 External Power Supply

<b>Construction</b>	
External Power Supply Options	MPS-488HP

<b>Electrical</b>	
Amperage	0.00 A
Apparent Load	0.00 VA
Impedance	4.000000
Load Classification	Other
Voltage AC	0.00 V
Voltage DC	48.00 V
<b>Dimension</b>	
Depth	12.250
Height	22.430
Width	11.150
<b>Identity Data</b>	
Copyright	Copyright © Meyer Sound Laboratories Inc.
Date Last Modified	5/6/2013
Description	See Part Description
Equipment Abbreviation	AE
Family Version	1.0.0
Manufacturer	Meyer Sound Laboratories Inc.
Model	See Part Number
Original Creation Date	5/6/2013
Product Documentation Link	<a href="https://www.meyersound.com/sites/default/files/upm-1p_ds.pdf">https://www.meyersound.com/sites/default/files/upm-1p_ds.pdf</a>
Product Page URL	<a href="http://www.meyersound.com/products/ultraseries/upj-1p/">http://www.meyersound.com/products/ultraseries/upj-1p/</a>
Provide Feedback	<a href="https://www.surveymonkey.com/s/VSH9P3H">https://www.surveymonkey.com/s/VSH9P3H</a>
Rigging Guide	<a href="http://www.meyersound.com/sites/default/files/upj-1p_oi.pdf">http://www.meyersound.com/sites/default/files/upj-1p_oi.pdf</a>
URL	<a href="http://www.meyersound.com/">http://www.meyersound.com/</a>
<b>Materials</b>	
Product Material	Plywood - Meyer Sound - Black
<b>Mechanical</b>	
Dynamic Range	110 dB
Frequency Response	66 Hz - 18 kHz ± 45°
Operating Frequency Range	55 Hz - 20 kHz
Phase Response	750 Hz - 18 kHz ± 45°
SPL Max	128.000000
<b>Structural</b>	
Weight	46.000 lb

Half-tone text in the property tables indicates that the value is locked from editing.

## Loading and Placing into the Project:

One “Communication Devices” family is supplied and can be loaded into a Revit project through all traditional methods. The Speaker requires a work-plane host to be placed within the project (i.e. floor, wall, ceiling). Also, ensure that the visibility settings within the project are modified to have the Communication Devices category visible.

## Project Behavior:

Within the type and instance properties dialogues, the user will find useful information for scheduling purposes such as Height, Width, Depth and other unique properties of the model. In “Identity Data” the user will find information specific to Meyer Sound Laboratories Inc. and the model, i.e.: family revision information, Meyer Sound Laboratories Inc. copyright information, part description, product URL and other specific data. \*See scheduling description below.

A pull grip can be used when the speaker utilizes either the MUB UPJ Bracket or the MLB UPJ Bracket, the user can use the pull grip to change the height of the speaker within the set boundaries of the U bracket. Depending on the desired speaker angle the speaker will automatically change its height to avoid colliding with the bracket.

There are snap locations on the sides of the speaker to allow for additional speakers to be horizontally arrayed from the center speaker. A horizontal array can be created by placing the center speaker with no options selected, and then placing additional speakers, with the array adapter option selected, on the snap locations on either side of the speaker. A vertical array can be created by selecting the Speaker is Flown option and then using the snap location to attach additional speakers with the Has MAA UPJ Array Adapter option selected. Once the speakers are placed the user can then use the instance parameters to change the angles of each of the placed speakers. For more information please reference the Rigging Guide in the

type properties. Part numbers for selected rigging hardware can be seen in the Accessory Part Number parameter in the instance properties.

## Instance Parameters:

In the “Instance Parameters”, the user has the following options to modify:

- Equipment Number – For tagging each placed instance.
- Has Snap Locations – Toggles the visibility of the snap location crosshairs.
- Has MYA UPJ Yoke – For toggling the visibility of the yoke bracket.
- Has MUB UPJ Bracket – For toggling the visibility of the U bracket.
- Has MLB UPJ Bracket – For toggling the visibility of the L bracket.
- Has MAAM UPJ Array Adapter – For toggling the visibility of the array adapter.
- Has MAA UPJ Array Adapter – For toggling the visibility of the array adapter.
- Array Adapter is Floor Mounted – For placing the speaker with the array adapter on the floor.
- Yoke Angle – For inputting the desired speaker angle when used with the yoke bracket.
- U Bracket Angle – For inputting the desired speaker angle when used with the U or L bracket.
- Arrayed Speaker Angle Desired – For inputting the desired speaker angle when using the array adapter.
- Sound Dispersion Distance – For inputting the desired sound dispersion distance.
- Show Reverb Radius – For toggling the visibility of the reverb radius.
- Show Half Reverb Radius – For toggling the visibility of the half reverb radius.
- Show Decorrelation Distance – For toggling the visibility of the decorrelation distance.
- Reverb Radius – For inputting the desired reverb radius.

## Type Parameters:

Each type represents a manufactured product. Therefore, the type parameters should not be modified by the user for standard configuration. Please note:

- Product Documentation Link – Directs a webpage to the products online listing.
- Equipment Abbreviation – For filtering schedules. \*See scheduling description below.

## Visibility:

For best performance, all model geometry is turned off in Plan View and represented through masking regions and symbolic/model lines that update automatically when a user changes types. For maximum usability, all geometry is assigned the category: Communication Devices.

## Rendering:

When the family file is loaded into the project, standard Meyer Sound Laboratories Inc. materials are imported. These may be modified, though ensure that the modification selection matches an actual manufacturer supplied option.

## Schedule Creation:

Meyer Sound Laboratories Inc. products may be scheduled utilizing the schedule view in the given project file. Select and copy (Ctrl-C) the schedule from the sheet view and paste it (Ctrl-V) into a sheet in your project. The schedule filters are set to look for only those units designated with Manufacturer as “Meyer Sound Laboratories Inc.” and Equipment Abbreviation as “AE”. The schedules contain special functionality for displaying the configured order numbers of the different selected types.