VXS5 VXS8 Revit Family

This operation manual will explain how to set VXS5, VXS8 "Family" in a "Project"

VXS5 and VXS8 have a total of four types of "Family" respectively.
VXS5-wall.rfa and VXS8-wall.rfa are "Family" for the surface mount while VXS5-ceiling.rfa and VXS8-ceiling.rfa are the "Family" for ceiling mount. These "Family" are created by Revit 2016 version.
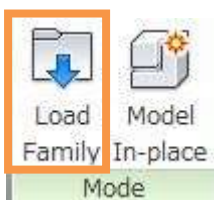
To set Family for Surface mount (VXS5-wall.rfa、 VXS8-wall.rfa）

1) Load "Family"
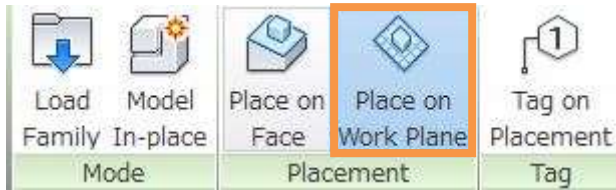
Click "Architecture", then "Component"
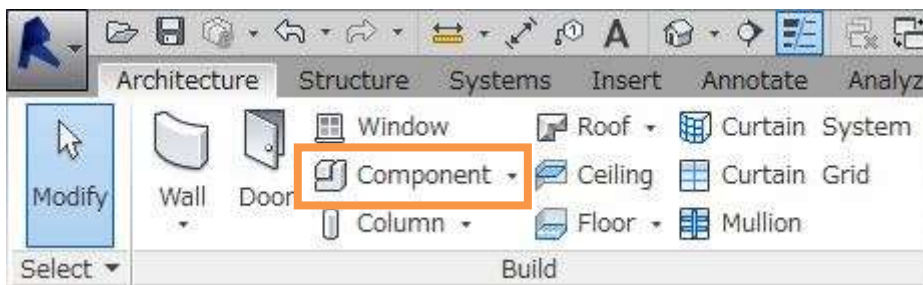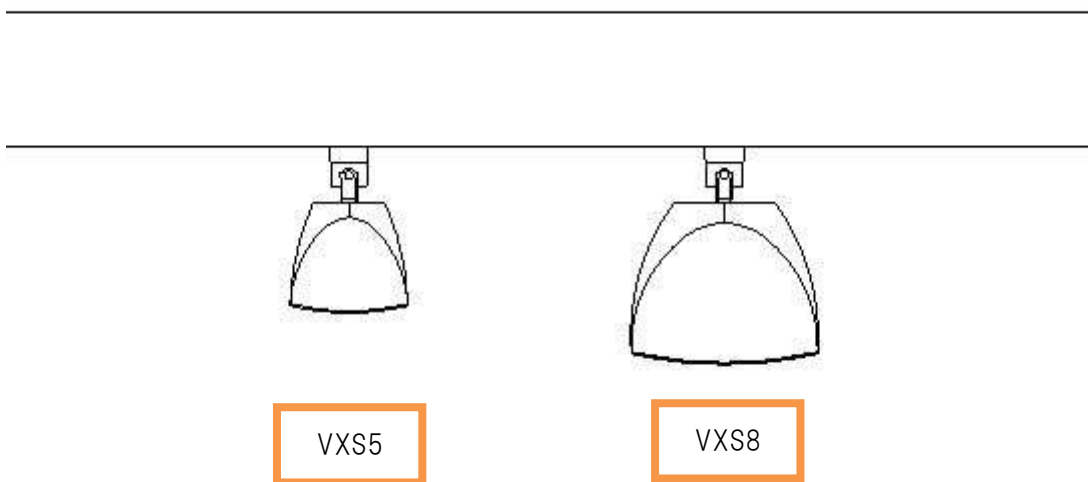

Click "Load Family" from the "Mode" Panel
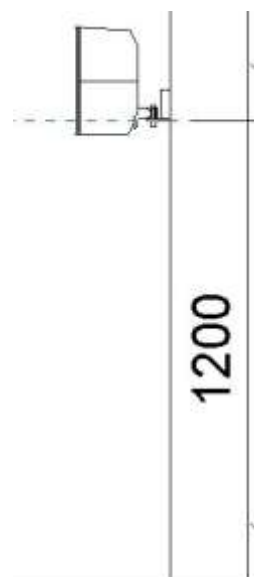

Select either VXS5-wall or VXS8-wall

2）Click "Place on Work Plane" from the "Placement" panel

3）Place the VXS5/VXS8 to the wall

VXS5   VXS8

4）Input the "Offset" value in Properties to adjust the placement height
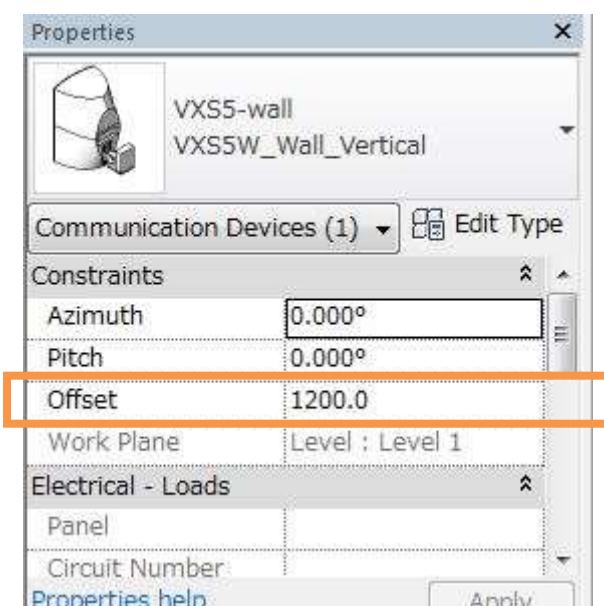
5）There are four types of "Family" for surface mount.
Select the type of family from the "Type Selector"

VXS5W_Wall_Vertical
VXS8W_Wall_Vertical

VXS5W_Wall_Horizontal
VXS8W_Wall_ Horizontal

VXS5_Wall_Vertical
VXS8_Wall_Vertical

VXS5_Wall_Horizontal
VXS8_Wall_ Horizontal

6）Input the "Azimuth" and "Pitch" value in Properties to adjust the angle.

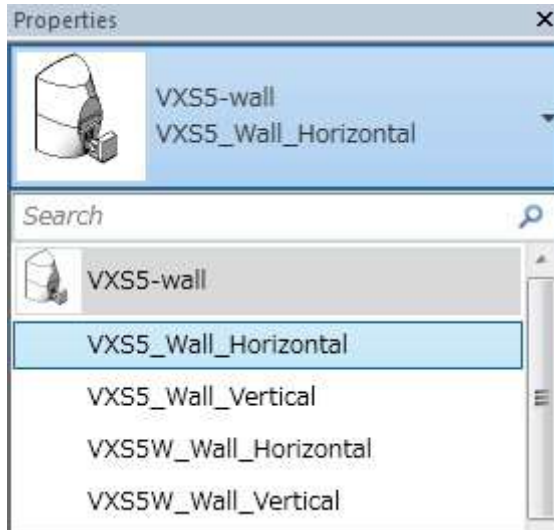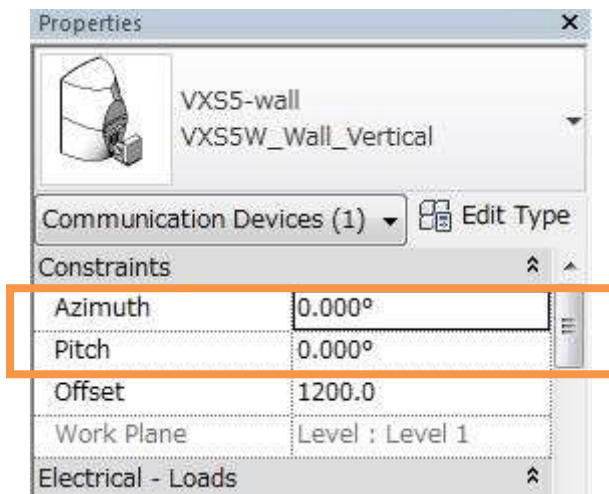| Properties	×
VXS5-wall VXS5W_Wall_Vertical	
Communication Devices (1) ▾	Edit Type
Constraints	⌃
Azimuth	0.000°
Pitch	0.000°
Offset	1200.0
Work Plane	Level : Level 1
Electrical - Loads	⌃

For "Azimuth", input the value to adjust the horizontal rotation angle

Azimuth=−30	Azimuth=0	Azimuth=30

For "Pitch", input the value to adjust the vertical rotation angle

Pitch=−15	Pitch=0	Pitch=15
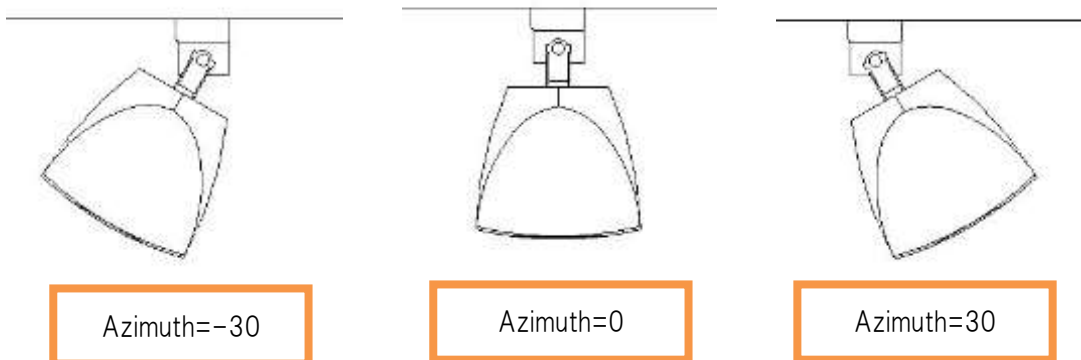
7）For the specification of the speaker, check from the "Type properties"

Type Properties

Family:	VXS5-wall		Load...
Type:	VXS5W_Wall_Vertical		Duplicate...
			Rename...

Type Parameters

Parameter	Value
Dimensions	
Width	176mm (6.9")
Height	280mm (11.0")
Depth	163mm (6.4")
Identity Data	
Manufacturer	Yamaha
Model	VXS5/VXS5W
IQ Category	Loudspeakers
Manufacturer URL	https://www.yamaha.com
Product Documentation Link	https://www.yamaha.com/proaudio/
Product Page URL	https://www.yamaha.com/proaudio/
A&E Specification	The loudspeaker shall be of surface-
Type Image	

Parameter	Value
Other	
Sensitivity	89
Power Handling	150
SPL Max	111
Impedance	8
Coverage Horizontal	120
Coverage Vertical	120
70V Taps	30W, 15W, 7.5W, 3.8W
100V Taps	30W, 15W, 7.5W
Regulatory Compliance	IP35
Net Weight	3.6kg

<< Preview	OK	Cancel	Apply

*Note!

The material shown in the "Material and Finishes" in "Type properties" are different to the material of the actual product.

The "Parameters" shown in "Structural" are the Parameters to change the placement of the Metal fittings when switching the speaker between vertical and horizontal

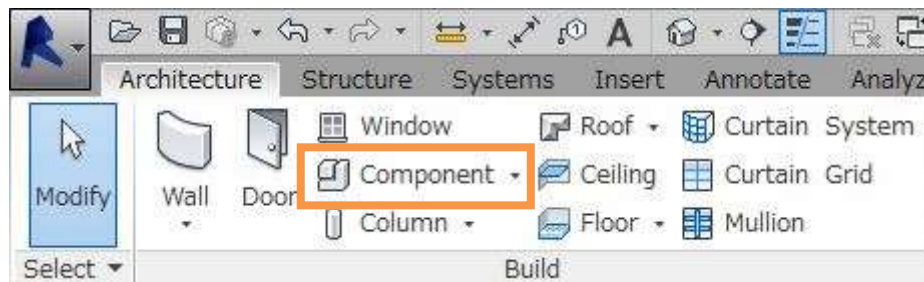| Materials and Finishes			
body	ABS-white	=	
cover	perforated alum	=	
metal fittings	steel	=	
metal fittings2	steel	=	
mounting bracket	ABS-white	=	
Structural			
mf-p	☑	=	
mf-s	☐	=	
dis	74.0	=	☑

To set Family for VXS5-ceiling.rfa、 VXS8-ceiling.rfa

1）Load "Family"

Note
The "Family" for ceiling cannot be placed without a ceiling.
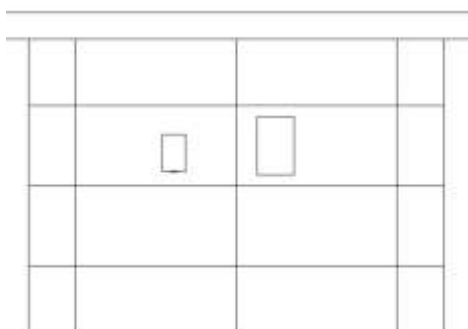Please set the reflected ceiling plan

Click "Architecture", then "Component"
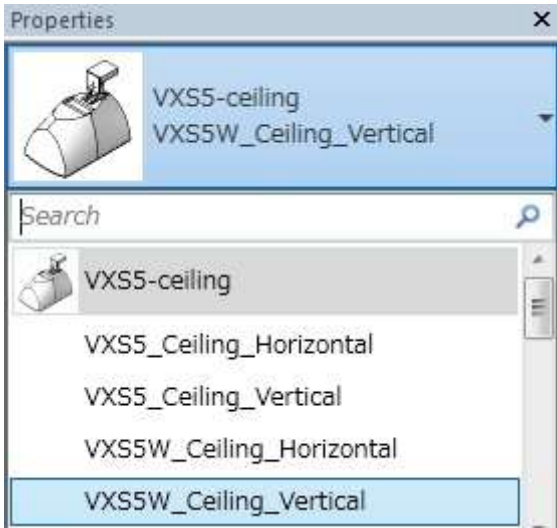

Click "Load Family" from the "Mode" Panel

Select either VXS5-ceiling or VXS8-ceiling

VXS5-ceiling.rfa
VXS5-wall.rfa
VXS8-ceiling.rfa
VXS8-wall.rfa

2）Place the VXS5/VXS8 on the ceiling

VXS5   VXS8

3）There are four types of "Family" for surface mount.

Select the type of family from the "Type Selector"

VXS5W_ceiling_Vertical
VXS8W_ceiling_Vertical

VXS5W_ceiling_Horizontal
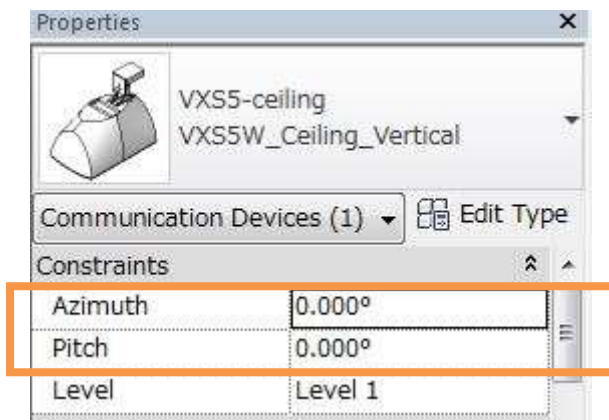VXS8W_ceiling_ Horizontal
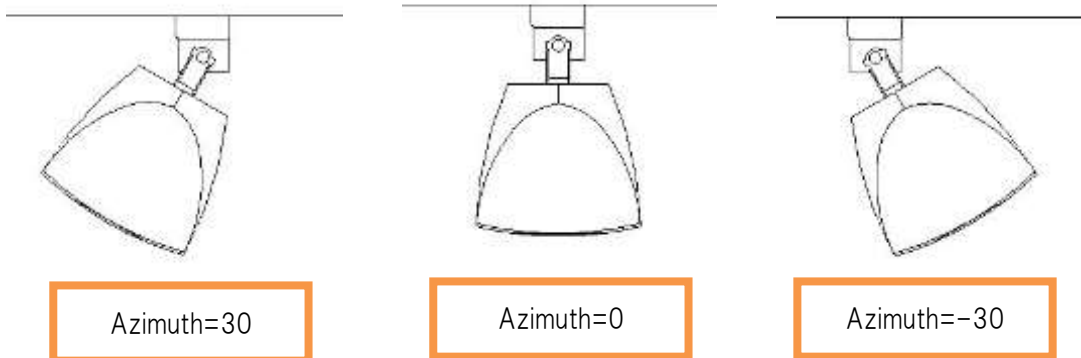

VXS5_ceiling_Vertical
VXS8_ceingl_Vertical
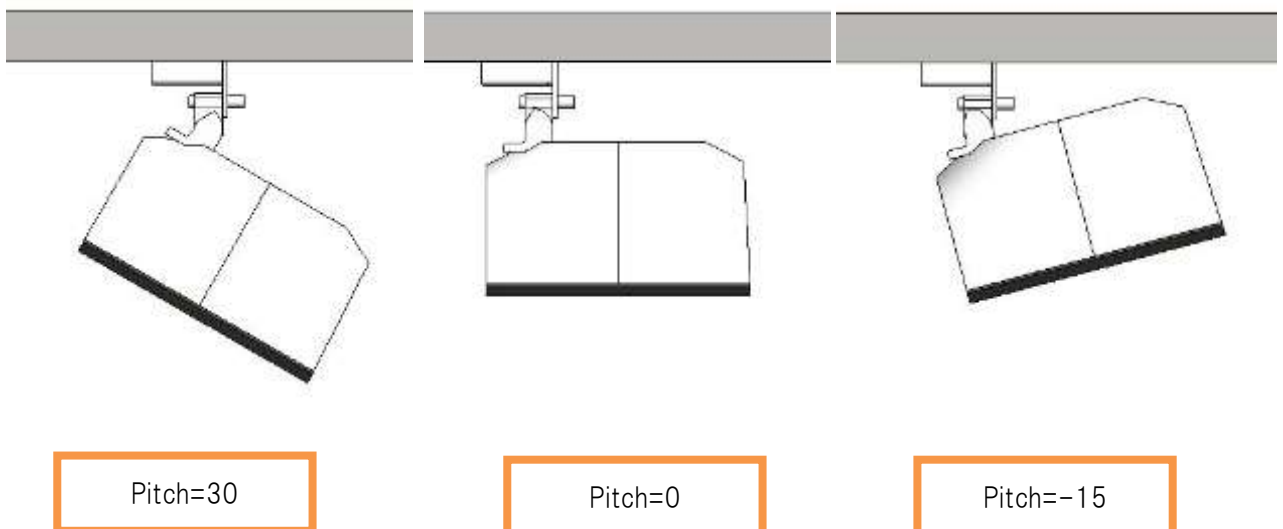
VXS5_ceiling_Horizontal
VXS8_ceiling_ Horizontal

4）Input the "Azimuth" and "Pitch" value in Properties to adjust the angle.

For "Azimuth", input the value to adjust the horizontal rotation angle

| Azimuth=30 | Azimuth=0 | Azimuth=-30 |

For "Pitch", input the value to adjust the vertical rotation angle

| Pitch=30 | Pitch=0 | Pitch=-15 |

5）For the specification of the speaker, check from the "Type properties

Type Properties		
Family:	VXS8-ceiling	Load...
Type:	VXS8W_Ceiling_Vertical	Duplicate...
		Rename...

Type Parameters

Parameter	Value
Dimensions	
Width	278mm (10.9")
Height	430mm (16.9")
Depth	239mm (9.4")
Identity Data	
Manufacturer	Yamaha
Model	VXS8/VXS8W
Manufacturer URL	https://www.yamaha.com
Product Page URL	https://www.yamaha.com/proaudio/
A&E Specification	The loudspeaker shall be of surface-
Type Image	

Other	
Sensitivity	91
Power Handling	180
SPL Max	114
Impedance	8
Coverage Horizontal	100
Coverage Vertical	100
70V Taps	60W, 30W, 15W, 7.5W,
100V Taps	60W, 30W, 15W
Regulatory Compliance	IP35
Net Weight	8.2kg

*Note!

The material shown in the "Material and Finishes" in "Type properties" are different to the material of the actual product.

The "Parameters" that shown in "Structural" are the Parameters to change the placement of the Metal fittings when switching the speaker between vertical and horizontal

Materials and Finishes			
body	ABS-white	=	
cover	perforated alum	=	
metal fittings	steel	=	
metal fittings2	steel	=	
mounting bracket	ABS-white	=	
Structural			
mf-p	☑	=	
mf-s	☐	=	
dis	74.0	=	☑