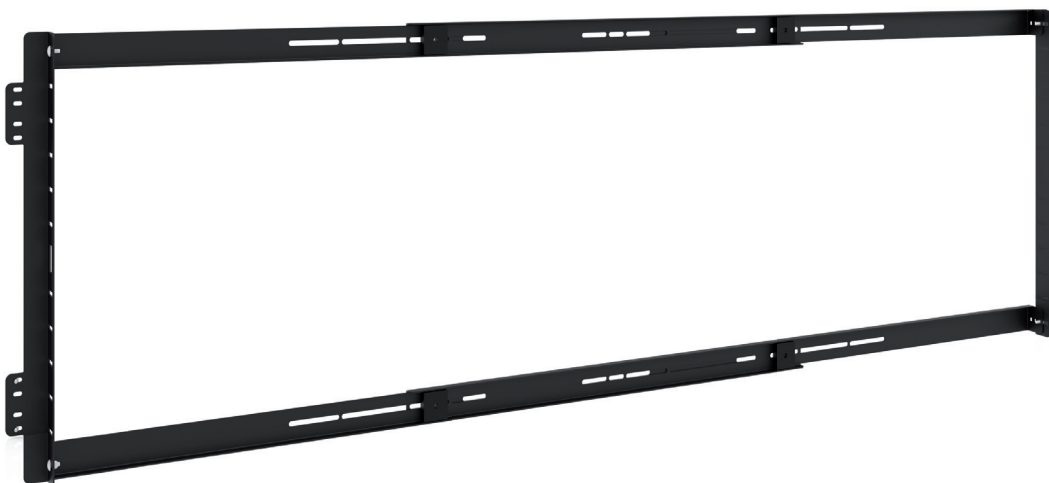


DOCUMENTATION

**ASSEMBLY MANUAL**  
**VESA VSM / VSM XL LOUDSPEAKER MOUNT**  
FOR P / PB XX LOUDSPEAKER SYSTEMS



Shapely.  
Versatile.  
Functional.

Read the assembly manual carefully prior to assembling the accessory.  
The assembly manual must be retained.



All products are designed, developed and manufactured by Pan Acoustics in Germany.  
Pan Acoustics reserves the right to modify products without prior notice.

[www.pan-acoustics.de](http://www.pan-acoustics.de)

## General information

Pan Accessories Assembly Manual  
VESA VSM Loudspeaker Mount  
VESA VSM XL Loudspeaker Mount

Language: English  
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***This document must be kept with the product or in a safe place so that it is available when needed.***

If the product is resold, the document must be handed over to the new owner in printed or electronic form.

Pan Acoustics reserves the right to change/update the document without prior notice. The latest version of this document can be downloaded from the Pan Acoustics website.

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## 1. Introduction

Thank you for choosing a product from Pan Acoustics.

With the purchase of this accessory for Pan Acoustics loudspeaker systems, you have acquired a product for the safe mounting of P / PB xx loudspeakers on displays.

Please read this assembly manual carefully prior to use in order to guarantee fault-free operation.

### 1.1. Symbols and explanation

#### DANGER

This symbol indicates a hazard with a high level of risk. If this hazard is not avoided, serious injury or death may result.

#### WARNING

This symbol indicates a hazard with a medium level of risk. If this hazard is not avoided, moderate to serious injury or death may result.

#### CAUTION

This symbol indicates a hazard with a low level of risk. Failure to observe this instruction may result in minor injuries or damage to property.

#### NOTICE

This symbol provides important instructions for the proper handling of the product. Failure to observe this instruction may result in damage to the product or malfunctions.

### 1.2. General information and target group

All information in this assembly manual is based on the product properties available at the time of preparation and the safety regulations applicable at that time.

This assembly manual describes the design, function and assembly of the "VESA VSM Loudspeaker Mount" and the "VESA VSM XL Loudspeaker Mount". It is aimed at system technicians and persons assigned the task of installing and operating a relevant system.

Pan Acoustics reserves the right to make changes and modifications within the scope of legal regulations and product improvements without prior notice.

This assembly manual and all additional information required for operation must be read prior to use by all persons involved in commissioning. The assembly manual and all additional information required must be kept within reach near the device.

All necessary information and documents can be obtained from the Pan Acoustics website, **<https://www.pan-acoustics.de/en/service/download>**, or by sending an e-mail to **[contact@pan-acoustics.de](mailto:contact@pan-acoustics.de)**.

## 2. Product description

The "VESA VSM Loudspeaker Mount" and the "VESA VSM XL Loudspeaker Mount" permit to mount two P / PB xx loudspeakers from the Pan Beam, Pan Speaker, Pan EVAC, Pan 2-Line and Pan AMT product series on displays. The mount is designed to hold loudspeakers with a maximum weight of 8 kg.

The mount has slotted holes that permit the exact horizontal and vertical positioning of the loudspeakers to be mounted.

The mount is mounted on the display by means of screw connections together with the corresponding VESA monitor mount (not included in the scope of delivery). For the necessary screw connections between the display, VSM / VSM XL loudspeaker mount and VESA monitor mount, the assembly kit includes various screws.

The mount is designed for indoor use.

## 2.1. Scope of delivery VSM (55"-65")

Description	Quantity
VSM, bracket H, powder-coated, RAL 9005	4
VSM, bracket V, powder-coated, RAL 9005	2
VSM / VSM XL, assembly kit (content see 2.3)	1

## 2.2. Scope of delivery VSM XL (75"-98")

Description	Quantity
VSM XL, bracket H, powder-coated, RAL 9005	4
VSM XL, bracket V, powder-coated, RAL 9005	2
VSM / VSM XL, assembly kit (content see 2.3)	1

## 2.3. Scope of delivery VSM / VSM XL, assembly kit

Description	Quantity
Flange head bolt M6 x 10 mm, hexagon socket, pressed-on washer	8
Flange head bolt M6 x 30 mm, hexagon socket, pressed-on washer	4 *
Flange head bolt M6 x 35 mm, hexagon socket, pressed-on washer	4 *
Flange head bolt M6 x 40 mm, hexagon socket, pressed-on washer	4 *
Flange head bolt M8 x 30 mm, hexagon socket, pressed-on washer	4 *
Flange head bolt M8 x 35 mm, hexagon socket, pressed-on washer	4 *
Flange head bolt M8 x 40 mm, hexagon socket, pressed-on washer	4 *
Cup square bolt, M6 x 16 mm	4
Set screw M6 x 8 mm, hexagon socket	4
Slot nut 30 x 4 x 90 [mm]	4
Hex nut M6, polyamide clamping part	4
Washer M6, large outer diameter	4
Spacer	4
Cellular rubber band, black, self-adhesive	2.7 m

### ⚠ NOTICE

The screws included in the assembly kit marked with \* must be used to mount the VESA monitor mount with the VESA VSM / VSM XL loudspeaker mount on the display. If these screws cannot be used due to their length and shape, they must be replaced by suitable screws by the person assembling the system.

### ⚠ NOTICE

The loudspeakers to be mounted are not included in the scope of delivery. These must be purchased separately.

Upon receipt, the mount must be carefully checked for transport damage and completeness. In case of damage, the forwarder and sender are to be notified without delay.

Safety may be compromised if the product:

- shows signs of visible damage.
- has not been delivered completely.
- has been stored under adverse conditions for a prolonged period of time.
- has been improperly shipped (e.g. unsuitable packaging).

If the product shows signs of impairments that no longer guarantee safe operation, the article is to be secured and marked accordingly. It must also be ensured that no intended or inadvertent use by third parties is possible.

### 3. Safety instructions

The following safety instructions must be read completely and carefully prior to installing the mount and kept in a safe place near the device afterwards. Reading the assembly manual does not replace the knowledge and observance of all valid local safety rules and regulations. Persons entrusted with the assembly must be properly trained and work with appropriate personal protective equipment. Furthermore, the entrusted persons are responsible for and must ensure the safe assembly and use of the accessories to be mounted (mount and loudspeakers).

#### **DANGER**

- Power and signal cables must never be used for suspending, anchoring or securing loudspeakers.
- In order to guarantee safe operation of the products, only use the mount for installing the products for which it is intended.

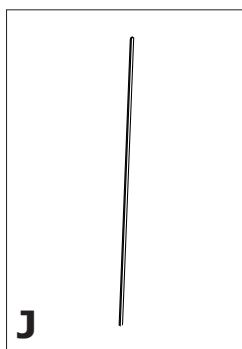
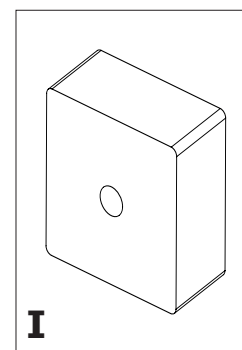
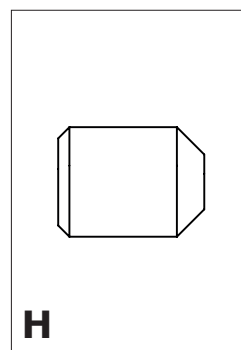
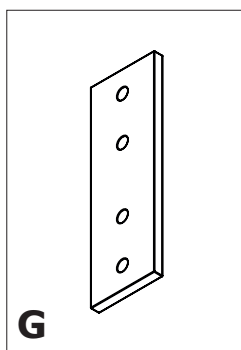
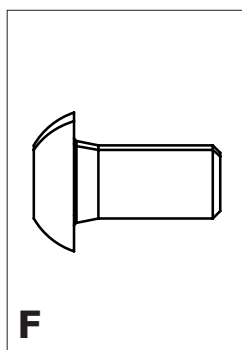
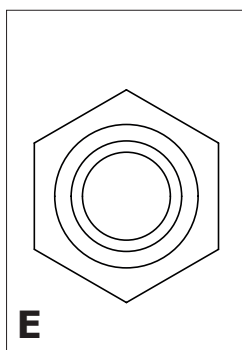
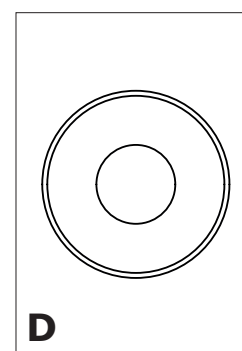
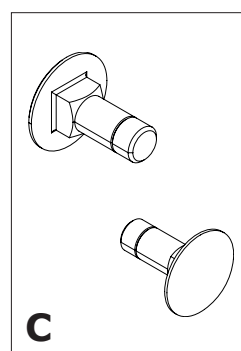
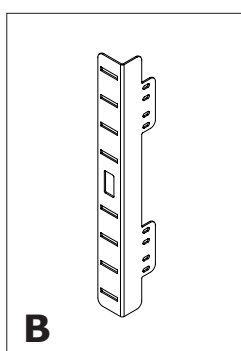
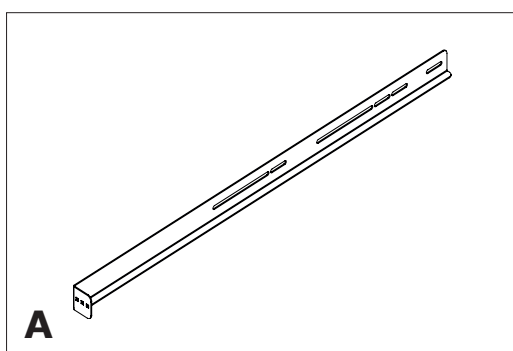
#### **WARNING**

- When attaching the mount to another mount or device, the latter must be checked for its load-bearing capacity, stability and type. The VESA monitor mount to be used must be selected by the person assembling the system to carry the additional load resulting from the VSM / VSM XL loudspeaker mount including the loudspeakers in accordance with the applicable safety regulations.
- Only the original parts delivered by Pan Acoustics may be used for mounting and assembling the VSM / VSM XL loudspeaker mount. The use of other parts, in particular parts from unknown or third-party manufacturers, is prohibited.
- It has to be ensured that all attachment and fastening materials comply with the applicable safety guidelines and are sufficiently dimensioned.
- It has to be ensured that all connections are secured against self-loosening and are friction-locking and form-fitting.
- Users must comply with all applicable safety requirements and legal regulations.
- The loudspeaker accessory must not be used for lifting, lowering or securing people or other objects.
- It is recommended to use an additional securing element to secure each suspended loudspeaker against falling if the type of mounting and safety require it.
- In general, a visual inspection of the loudspeaker and the accessory must be performed prior to each use/assembly. If there are signs of wear, cracks or deformation, they must be replaced immediately. The visual inspection also includes checking the screw connections on load-bearing parts of the loudspeaker and the accessory.

## 4. Assembly and use instructions

### 4.1. Components list

<i>Description</i>	<i>Identifier</i>
VSM / VSM XL bracket H	A
VSM / VSM XL bracket V	B
Cup square bolt, M6 x 16 mm	C
Washer M6	D
Hex nut M6, polyamide clamping part	E
Flange head bolt M6 x 10 mm, hexagon socket, pressed-on washer	F
Slot nut 30 x 4 x 90 [mm]	G
Set screw M6 x 8 [mm], hexagon socket	H
Spacer	I
Cellular rubber band, black, self-adhesive	J



## 4.2. Use instructions

Prior to assembly, the VESA mounting points on the display on which the VSM / VSM XL loudspeaker mount and the VESA monitor mount are to be mounted must be checked. The VSM / VSM XL loudspeaker mount must lay flat on the display. Mounting should preferably be done with the display laying on its front. The front of the display must be protected from damage using suitable material.

The installation and commissioning of loudspeakers must only be carried out by qualified personnel. It has to be ensured that the mount chosen meets the required specifications and operational requirements.

National safety regulations for operation and assembly must be followed.

### CONNECTION OF THE LOUDSPEAKER AND MOUNT

- All mounts sourced via Pan Acoustics are delivered with suitable assembly material for connection to the loudspeaker.
- The connection between the loudspeaker and the mount is made by fixing points (e.g. a slot nut, which is inserted into the rear slot of the loudspeaker and tightened with two M6 set screws).
- To avoid damage to the mounts and the loudspeakers, no screws longer than the original ones must be used. Longer screws may destroy the stability of the loudspeaker or cause short circuits inside the loudspeaker.
- A tightening torque of 14 Nm must be observed for the screw connection between the mount and the loudspeaker.



#### CAUTION

Incorrectly selected fastening material and incorrectly made screw connections can cause the loudspeakers and display to fall or be damaged.

#### WARNING

Connection cables must not be used for fixing or suspending loudspeakers.



### 4.3. Supported VESA hole patterns

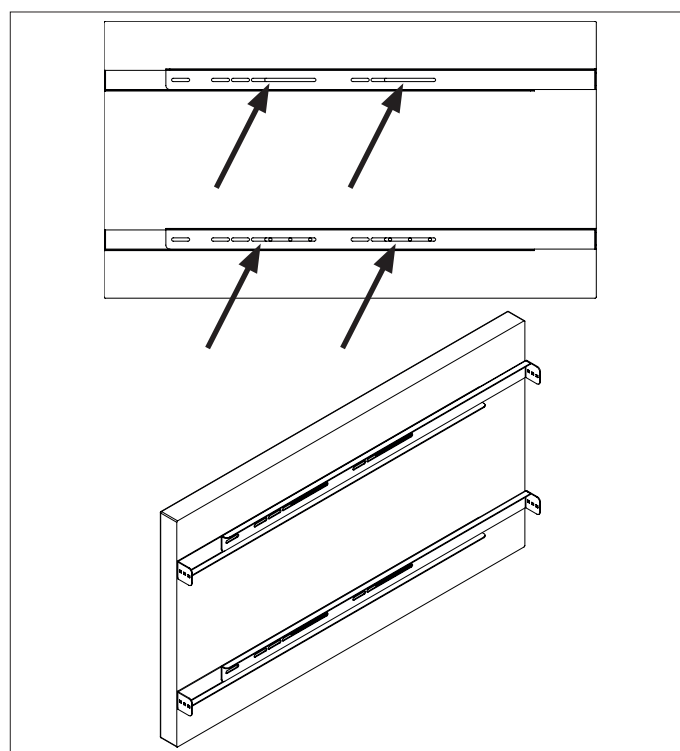
The following hole patterns are supported:

<b>VSM:</b> Category: 55"  Category: 65"	VESA H: 200/300/400 VESA V: 200/300/400 VESA H: 300/400/600 VESA V: 200/300/400
<b>VSM XL:</b> Category: 75"  Category: 86"  Category: 98"	VESA H: 400/600/800 VESA V: 200/300/400/600 VESA H: 400/600/700/800 VESA V: 200/300/400/600 VESA H: 800 VESA V: 400/600

### 4.4. Assembly steps

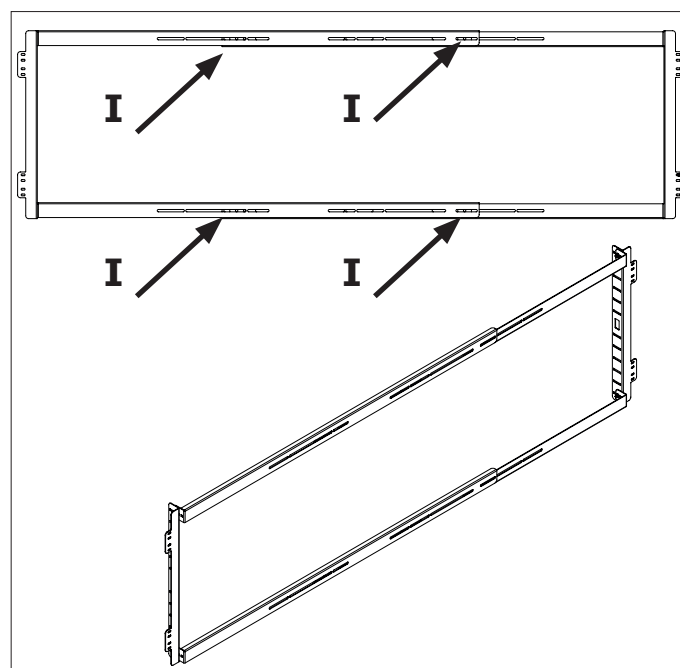
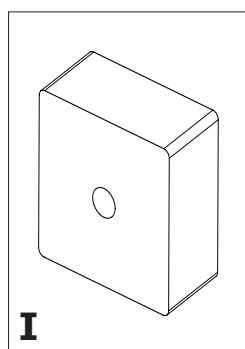
#### Step 1:

Position the four components (A) on the back of the display as shown in the lower picture. The holes in the components permit exact (horizontal) positioning according to the respective VESA hole pattern. The components (A) must be flush with the sides of the display.



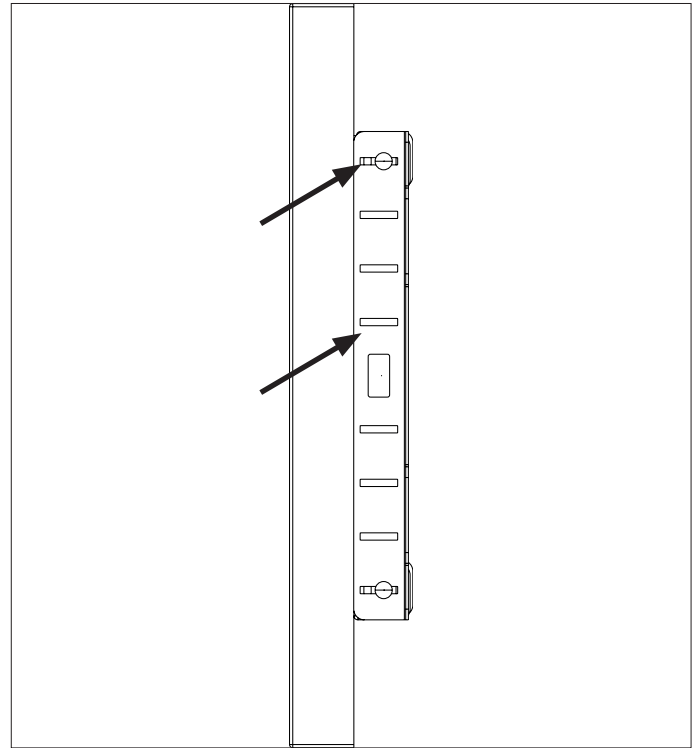
#### Alternative assembly of component (A)

Component (A) can alternatively be mounted as shown. This variant is preferred for the VSM XL loudspeaker mount in order to better adapt the loudspeakers to be mounted to the depth of the display. In this case, the spacers (I) under component (A) must be positioned centred over the VESA mounting points.



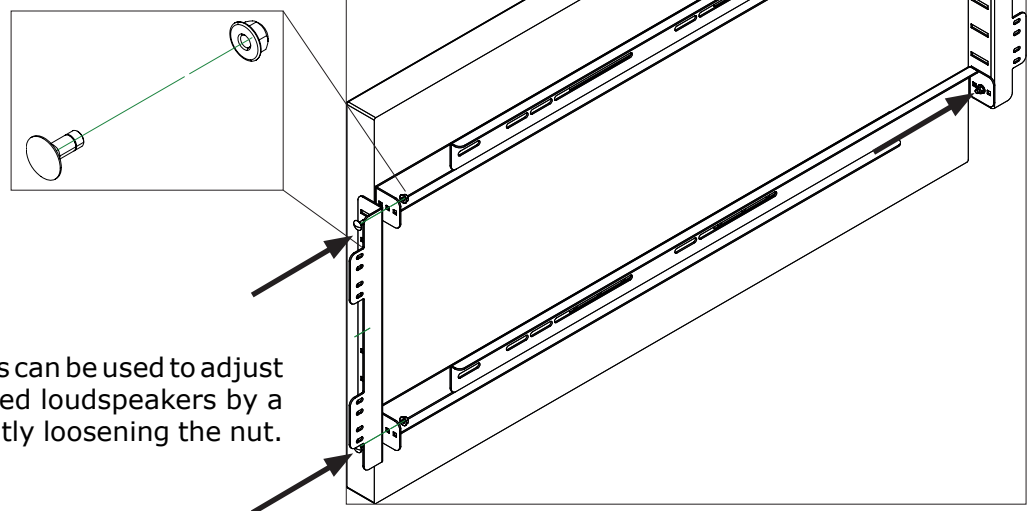
### Step 2:

Positioning of the two lateral components (B). The holes permit exact (vertical) positioning according to the respective VESA hole pattern.



### Step 3:

After selection of the required VESA hole pattern, connect the components (A) + (B) by means of screw connections consisting of a screw (C) + a washer (D) + a nut (E). Four screw connections must be made.



### ⚠ NOTICE

These screw connections can be used to adjust the depth of the mounted loudspeakers by a few millimetres by slightly loosening the nut.

#### Step 4:

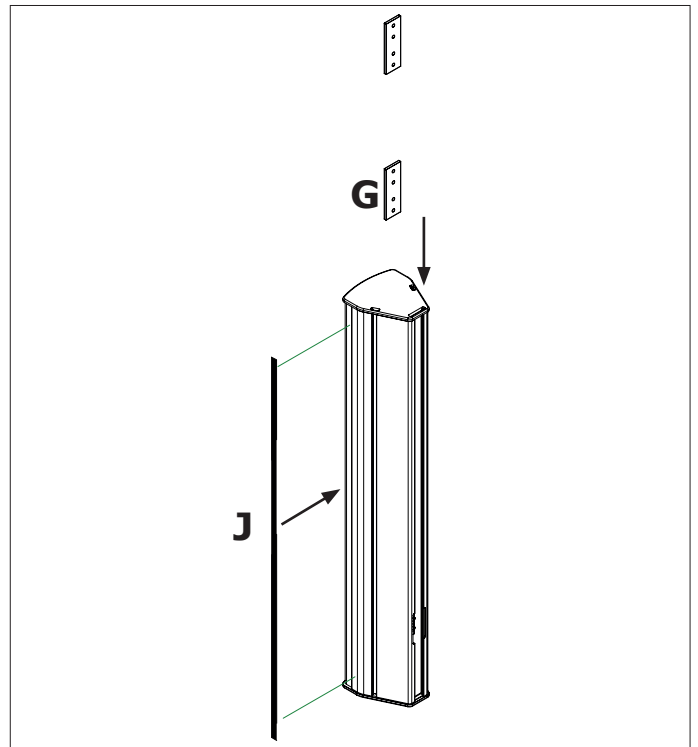
The loudspeakers must be prepared as shown in the picture:

Insert 2 x slot nuts (G)

Stick on cellular rubber band (J)

#### ⚠ NOTICE

Fit the cellular rubber band on the side of the loudspeaker facing the display to close the resulting gap.



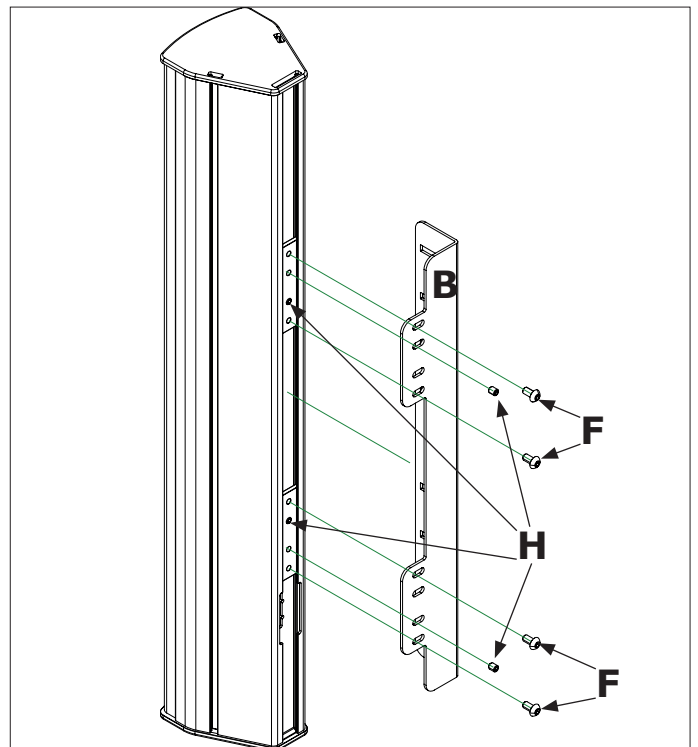
#### Step 5:

The loudspeakers must be mounted on the VSM / VSM XL bracket V (B) as shown in the picture.

First position the slot nuts and fix them with the set screws (H) in the two middle holes so that the screws (F) can be screwed into the slot nut through the bracket (B).

#### ⚠ NOTICE

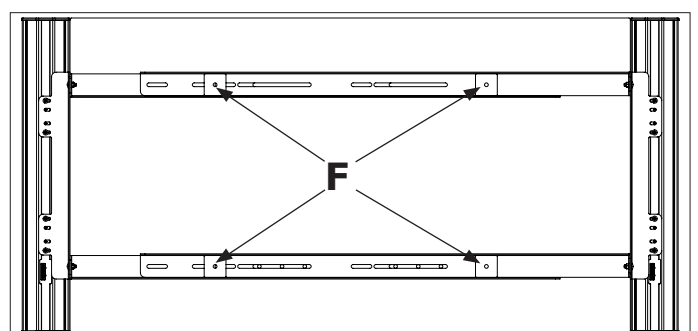
Subsequent vertical and/or horizontal adjustment of the loudspeaker position is possible by slightly loosening the screws. The loudspeaker must be secured against slipping by suitable measures, e.g. by holding it.



#### Step 6:

Prior to mounting the VESA monitor mount, 4 spacers (I) must be positioned centred over the VESA mounting points of the display.

For mounting the desired VESA monitor mount, the assembly kit includes screws in various sizes and lengths.



#### ⚠ NOTICE

All screw connections must be checked for secure fit and friction locking. The individual components must be checked to ensure that they are form fitting, and screw connections must be re-tightened where appropriate.

5. Transport and storage

The product has to be transported carefully to prevent any damage that could impair its function. The product is designed for indoor applications. Permanent storage in liquids, e.g. water, has to be avoided.

6. Maintenance and care

The loudspeaker accessory may show signs of wear over time, e.g. due to mechanical stress, corrosion or improper handling. In case of fixed installation, the mount must therefore be checked for signs of wear and secure fit at regular intervals.

During the checks, particular attention has to be paid to deformations, cracks, notches, damage to threads and corrosion. Mounting and fastening materials such as screws must also be thoroughly checked for wear and deformation.

If the check reveals uncertainties or damaged parts, the loudspeaker/the mount may no longer be used. Operators/users must inform themselves about nationally applicable, comprehensive test regulations and also apply them.

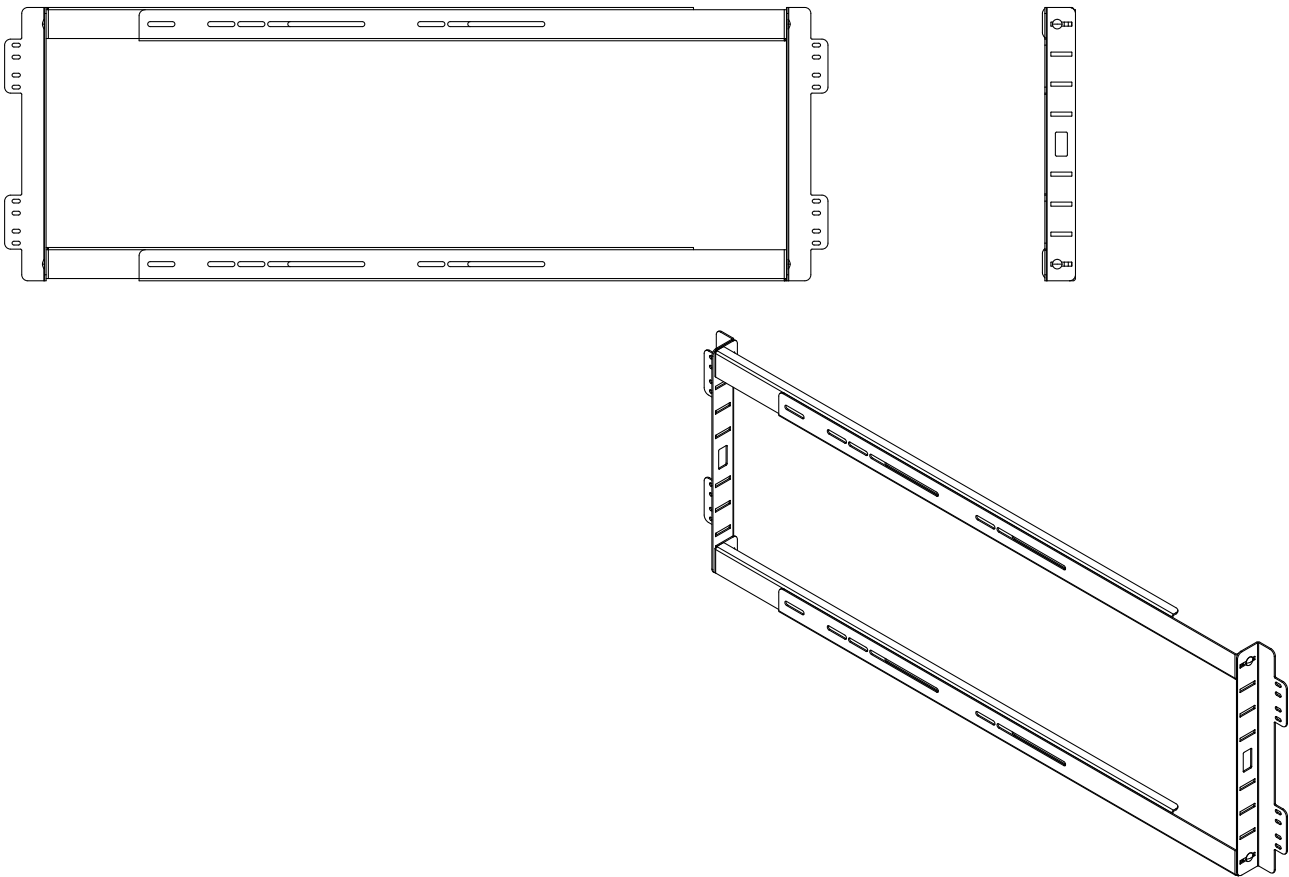
7. Technical data

7.1. VESA Loudspeaker Mount | VSM (55"-65")

MECHANICAL PROPERTIES

Material:	Steel
Load capacity:	max. 8 kg per speaker
Standard colour:	RAL 9005, powder-coated
Supported display sizes:	55", 65"
Supported VESA hole patterns: Category: 55"	VESA H: 200/300/400 VESA V: 200/300/400
Category: 65"	VESA H: 300/400/600 VESA V: 200/300/400
Weight per wall mount:	8 kg

TECHNICAL DRAWING: VESA LOUDSPEAKER MOUNT | VSM (55"-65")

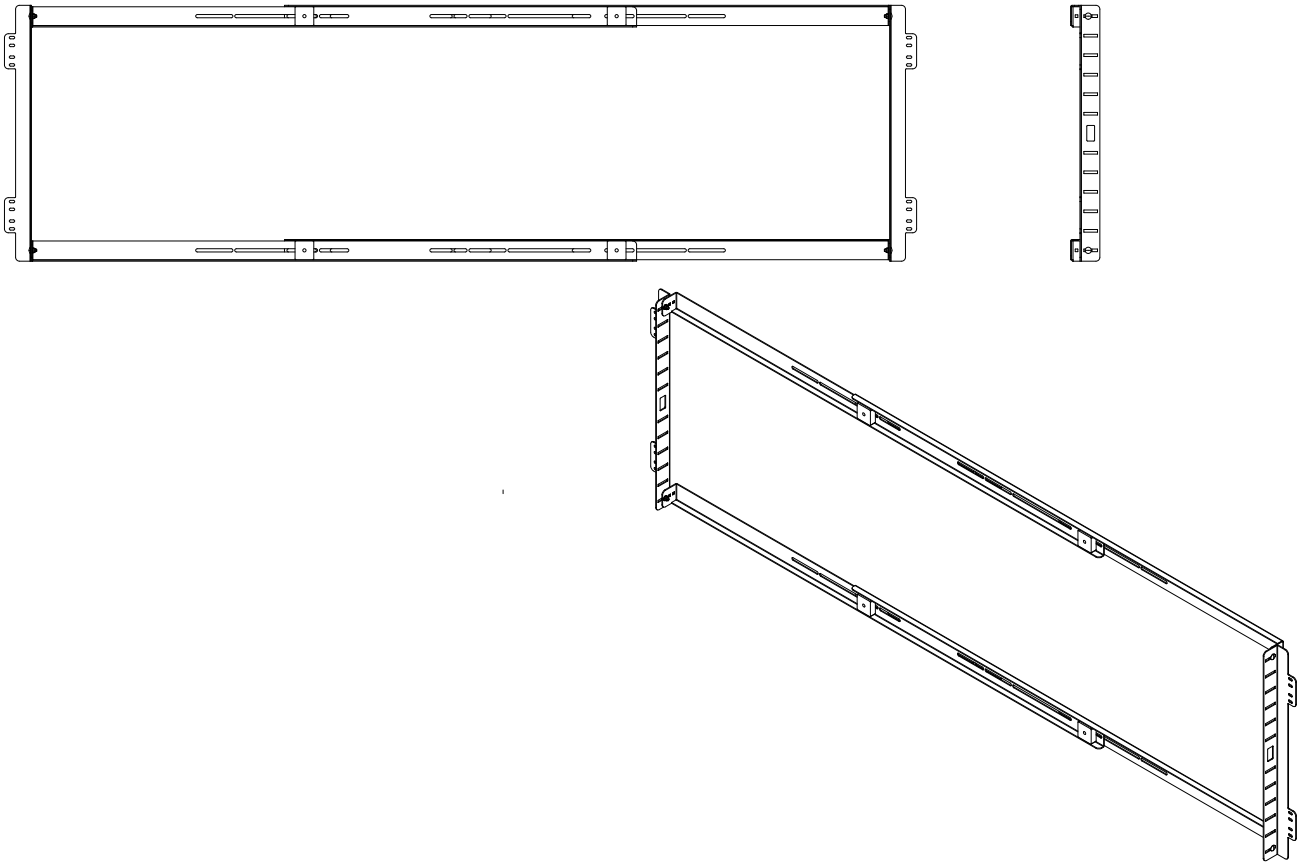


7.2. VESA Loudspeaker Mount | VSM XL (75"-98")

MECHANICAL PROPERTIES

Material:	Steel
Load capacity:	max. 8 kg per speaker
Standard colour:	RAL 9005, powder-coated
Supported display sizes:	75", 86", 98"
Supported VESA hole patterns: Category: 75"	VESA H: 400/600/800 VESA V: 200/300/400/600
Category: 86"	VESA H: 400/600/700/800 VESA V: 200/300/400/600
Category: 98"	VESA H: 800 VESA V: 400/600
Weight per wall mount:	11.4 kg

TECHNICAL DRAWING: VESA LOUDSPEAKER MOUNT | VSM XL (75"-98")



8. Disposal

The product must be disposed of in accordance with the applicable national regulations. It has to be ensured that the product cannot be re-used or used for any other purpose after disposal.

9. Contact address

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