

# WATERFALL AUDIO

SOUND DESIGNERS

MADE IN FRANCE



INSTRUCTIONS MANUAL  
COMPACT SPEAKER  
HURRICANE EVO

## INFORMATION & INSTRUCTIONS FOR USE

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**MUST BE CONSULTED BEFORE USE.**

**TO BE KEPT AND PASSED ON IN THE EVENT OF RESALE.**

Thank you for choosing Waterfall Audio speakers. Our deliberate choice for aesthetics and performance constantly guides us towards cutting-edge technologies and design combined with major innovations.

- The Hurricane Evo is supplied with a wall bracket as standard.
- If the speakers are to be placed high up, it will be necessary to orientate them towards the listening area using the 15° wall bracket (optional).
- The speakers can also be placed on a flat surface using a special stand (optional).

The Hurricane Evo is designed to work in perfect symbiosis with all Waterfall Audio loudspeakers. It is strongly recommended that they be combined with a Waterfall Audio subwoofer.

**Warning:** The speaker in your possession is fitted with a glass panel. Any impact could cause irreparable damage. This product is fragile, so please bear this in mind when unpacking, installing and using it. We recommend that you are assisted by a second person, particularly during the final wiring and wall mounting phase.

## ACCESSORIES

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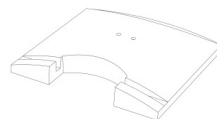
Wall bracket  
Standard  
(included)



Wall bracket  
15°  
(optional)



Horizontal wall  
bracket kit  
(optional)



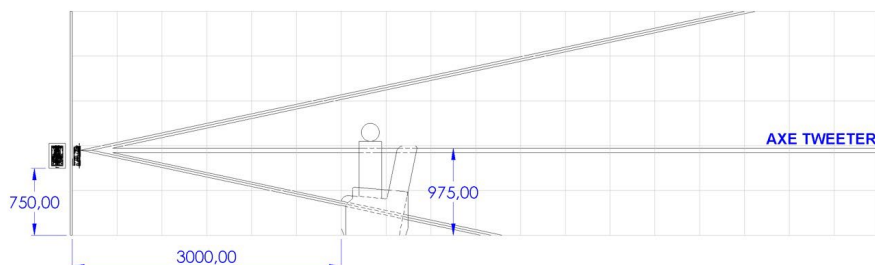
Shelf stand  
(optional)

## INSTALLATION WITH STANDARD WALL BRACKET (supplied as standard)

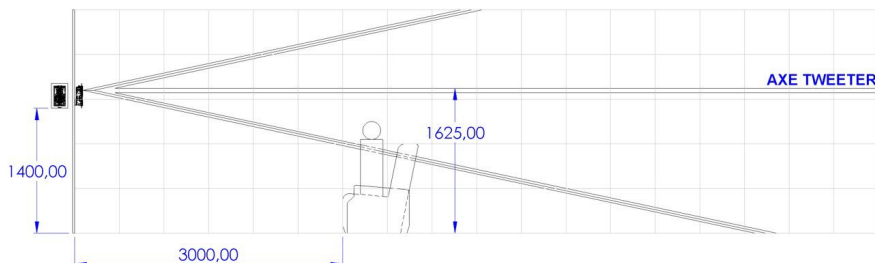
The speaker's diffusion parameters allow it to be installed at different heights depending on your installation and integration criteria.

The minimum possible height from the bottom of the speaker to the floor is 750mm ; The maximum is 1400mm (see next page for the positioning of the wall bracket).

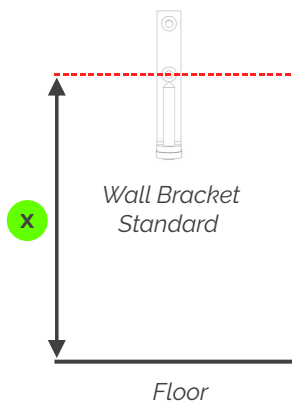
*Minimum height : bottom of speaker at 750mm from floor*



*Maximum height : bottom of speaker at 1400mm from floor*



Before installing, check that there is no risk of cutting an electrical cable or damaging a pipe in the wall.



Distance bottom of speaker /Floor (in mm)	$X$ = distance Floor/ Fixation holes (in mm)
750	825
800	875
900	975
1000	1075
1100	1175
1200	1275
1300	1375
1400	1475

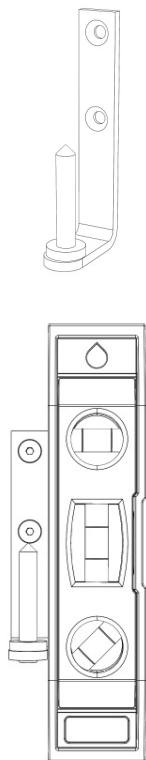
## STEP 1

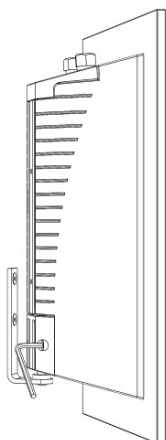
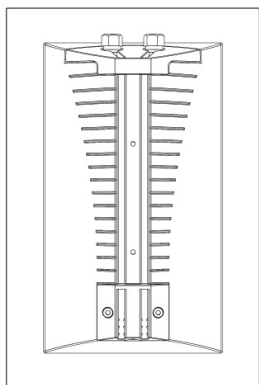
The speaker weighs 2 kg.  
It is your responsibility to ensure that this load can be accepted and to define the appropriate technical solution for fixing the speaker to the wall.

## STEP 2

Hang the bracket to the wall using 4mm diameter countersunk screws (not supplied).

Adjust the level and ensure that it is securely fixed to the wall.





### STEP 3

Pass the 2 cables through the grooves.

### STEP 4

Slightly loosen the 2 screws that tighten the clamping system.

### STEP 5

Connect the speaker (making sure that the + and - polarity are correct) and place it on the bracket.

Rotate it to the desired orientation. Secure the clamping system with the 2 screws.

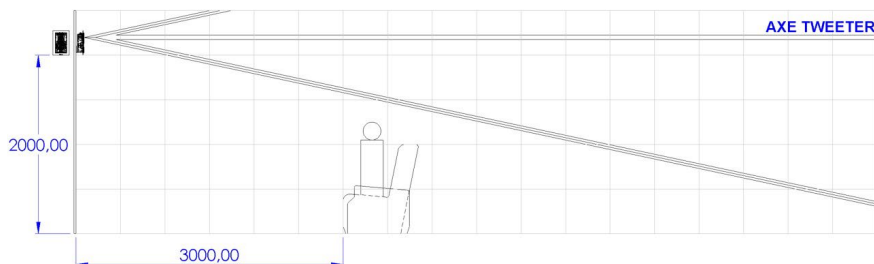
Make sure it is perfectly in place.

## INSTALLATION WITH 15° WALL BRACKET (optional)

If the loudspeaker is to be positioned high up (over 2 metres), we recommend using the 15° wall bracket to orientate it towards the listener and maintain optimum frequency response (see next page for wall bracket positioning).

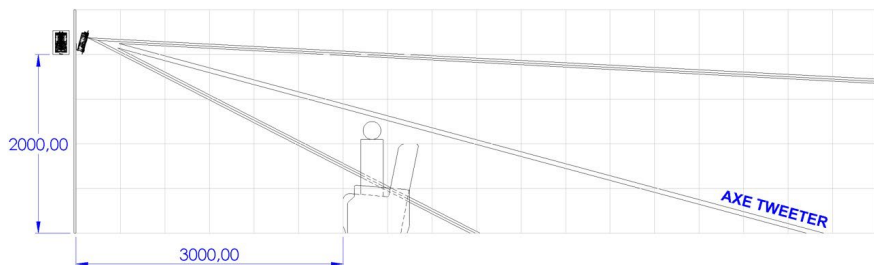
### Mounting not recommended

*Speaker 2000mm from the floor with standard wall bracket*

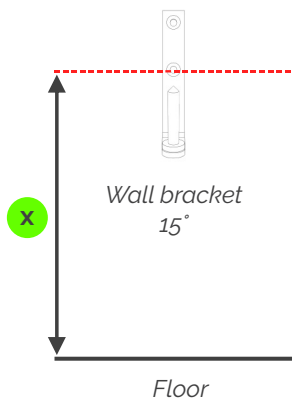


### Recommended mounting

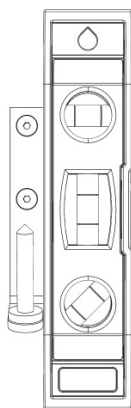
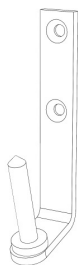
*Speaker 2000mm from floor with the 15° angled bracket (Optional)*



Before installing, check that there is no risk of cutting an electrical cable or damaging a pipe in the wall.



Distance bottom of speaker / Floor (in mm)	x = distance Floor/ Fixation holes (in mm)
1800	1893
1900	1993
2000	2093
2100	2193
2200	2293



## STEP 1

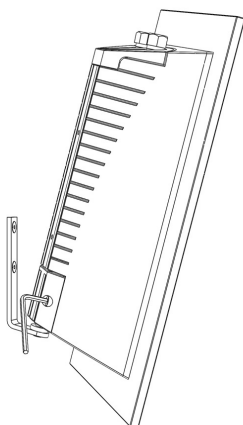
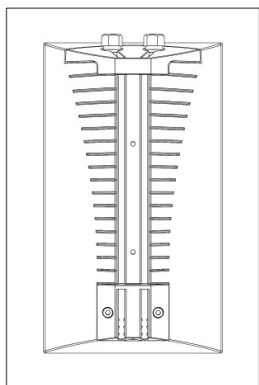
The speaker weighs 2 kg.

It is your responsibility to ensure that this load can be accepted and to define the appropriate technical solution for fixing the speaker to the wall.

## STEP 2

Hang the bracket to the wall using 4mm diameter countersunk screws (not supplied).

Adjust the level and ensure that it is securely fixed to the wall.



### STEP 3

Pass the 2 cables through the grooves.

### STEP 4

Slightly loosen the 2 screws that tighten the clamping system.

### STEP 5

Connect the speaker (making sure that the + and - polarity are correct) and place it on the bracket.

Rotate it to the desired orientation.

Secure the clamping system with the 2 screws.

Make sure it is perfectly in place.

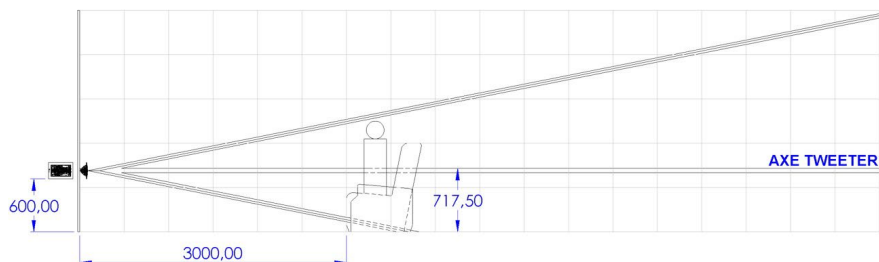


## INSTALLATION WITH HORIZONTAL WALL BRACKET (Optional)

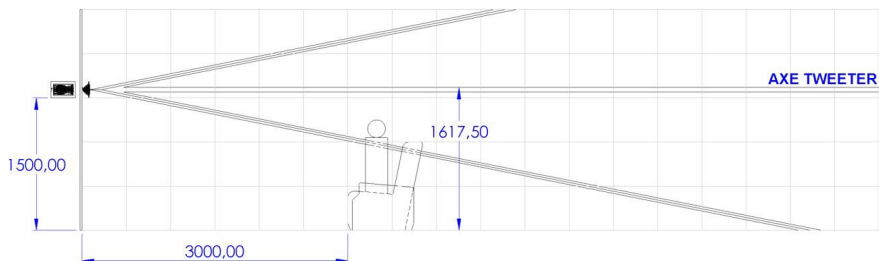
The speaker's diffusion parameters allow it to be installed at different heights depending on your installation and integration criteria.

The minimum possible height from the bottom of the speaker to the floor is 600mm, maximum height is 1500mm (see next page for wall bracket positioning).

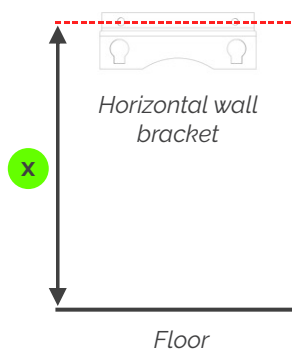
*Minimum height : bottom of speaker at 600mm from floor*



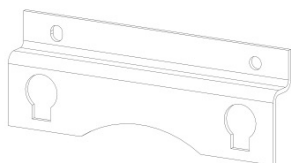
*Maximum height : bottom of speaker at 1500mm from floor*



Before installing, check that there is no risk of cutting an electrical cable or damaging a pipe in the wall.

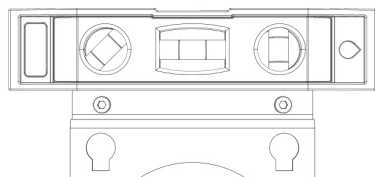


Distance bottom of speaker /Floor (in mm)	X = distance Floor/ Fixation holes (in mm)
600	716,5
700	816,5
800	916,5
900	1016,5
1000	1116,5
1100	1216,5
1200	1316,5
1300	1416,5
1400	1516,5
1500	1616,5



## STEP 1

The speaker weighs 2 kg.  
It is your responsibility to ensure that this load can be accepted and to define the appropriate technical solution for fixing the speaker to the wall.

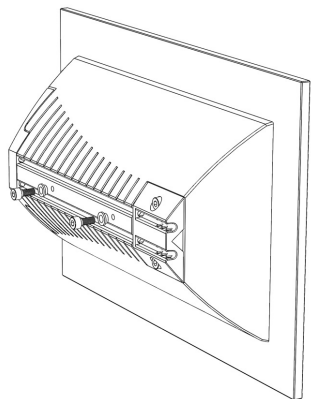


## STEP 2

Hang the bracket on the wall using 4mm diameter screws (not supplied).

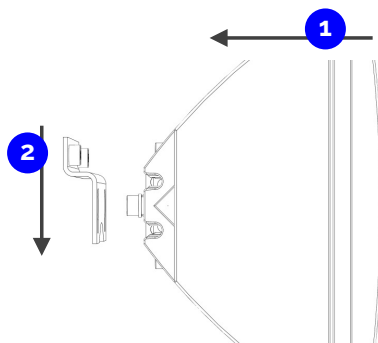
There is a small amount of play on the wall bracket to adjust the level.

Make sure it is firmly attached to the wall.



### ■ STEP 3

Fit the screws and washers (supplied) to the rear of the speaker.



### ■ STEP 4

❶ Connect the speaker (making sure that the + and - polarity are correct) and fit the screws provided in the bracket.

❷ Lower the speaker so that the screws come to a stop. Make sure that the speaker is in place.

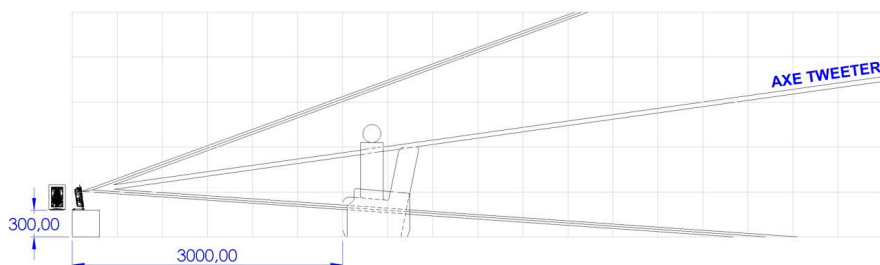
## INSTALLATION VERTICAL ON SHELF STAND (optional)

The Hurricane Evo has an optional shelf stand and it can be placed vertically or horizontally on a flat surface such as a low cabinet or shelf.

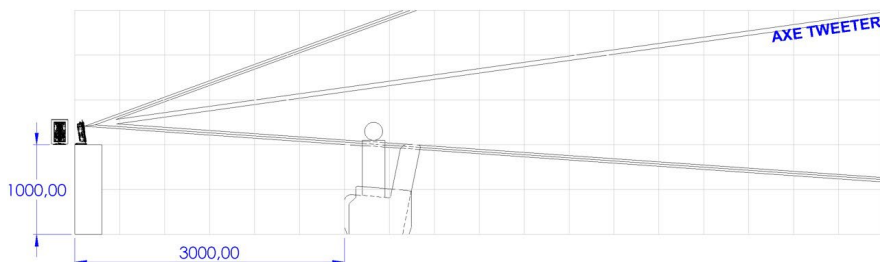
The diffusion parameters allow positioning at different heights depending on the direction of the speaker and your installation and integration criteria.

The minimum possible height from the underside of the shelf stand to the floor is 300mm; the maximum is 1000mm.

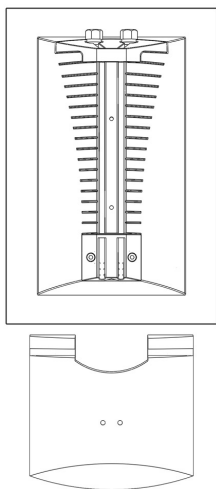
*Minimum height : Underside of shelf stand at 300mm from floor*



*Maximum height : Underside of shelf stand at 1000mm from floor*



Before installing, check that there is no risk of cutting an electrical cable or damaging a pipe in the wall.

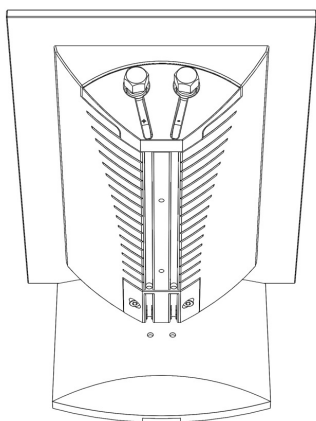


## STEP 1

Pass the cables through the 2 holes in the base.

Place the rear of the speaker in front of the base (protecting the front).

Pass the 2 cables through the grooves.



## STEP 2

Place the speaker on the shelf stand. Connect the speaker (be sure to observe the + and - polarities).

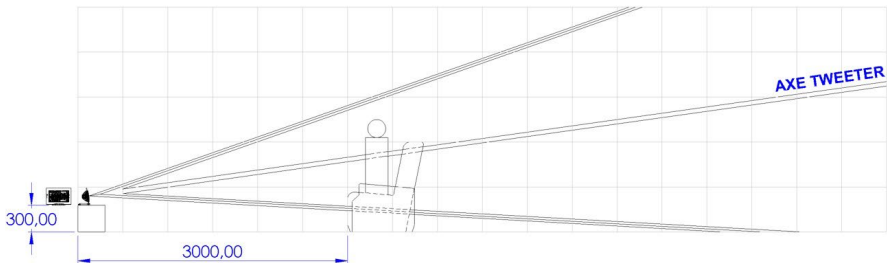
## STEP 3

Position the speaker in its final location.

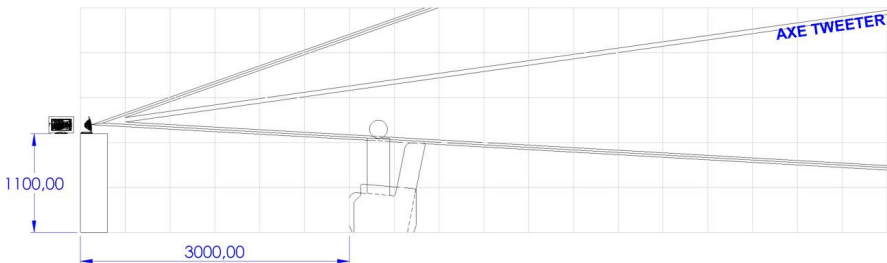
# HORIZONTAL POSITION ON SHELF STAND (optional)

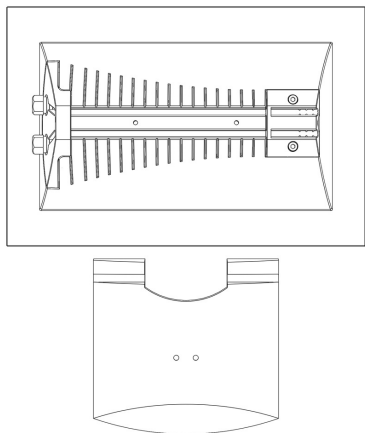
For horizontal installation, the minimum possible height of the underside of the shelf stand from the ground is 300mm; the maximum is 1100mm.

*Minimum height : bottom of shelf stand at 300mm from floor*



*Maximum height : : bottom of shelf stand at 1100mm from floor*



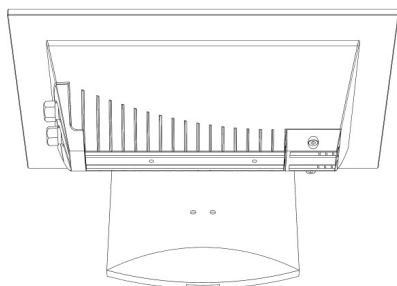


## STEP 1

Pass the cables through the 2 holes in the base.

Place the rear of the speaker in front of the base (protecting the front).

Pass the 2 cables through the grooves.



## STEP 2

Place the speaker on the shelf stand. Connect the speaker (be sure to observe the + and - polarities).

## STEP 3

Position the speaker in its final location.

# ACOUSTIC SET UP AND CONFIGURATION

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Despite its compact size, the Hurricane Evo can handle a lot of power thanks to its 'Heatstream' technology. Your choice of amplifier should be a quality model with between 50 Watts and 100 Watts per channel.

We strongly recommend that you combine the Hurricane Evo with a Waterfall subwoofer, which has been specifically developed to ensure perfect timbre coherence.

The Hurricane Evo can be used in a 2.1 stereo configuration with a conventional amplifier or in a 5.1 (and higher) home cinema configuration.

In both stereo and multichannel installations, the subwoofer should be as close as possible to the front channels to achieve the best possible connection. The final listening result depends on the quality of the settings during the initial installation.

Don't hesitate to ask your authorised dealer for advice when setting up your installation.

# CONNECTION TO YOUR AMPLIFIER

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The Hurricane Evo is connected directly to the speaker sockets of your amplifier or audio video processor. Make sure that the + and - polarity are correct.

**Never connect two speakers in parallel (or in series) on the same channel. Never connect your speakers to the mains.**

The "Waterfall Audio" cable is made from very high quality deoxygenated copper that is particularly well suited to your speakers. It is available from your dealer.





## SET UP & CONFIGURATION IN HOME CINEMA MODE

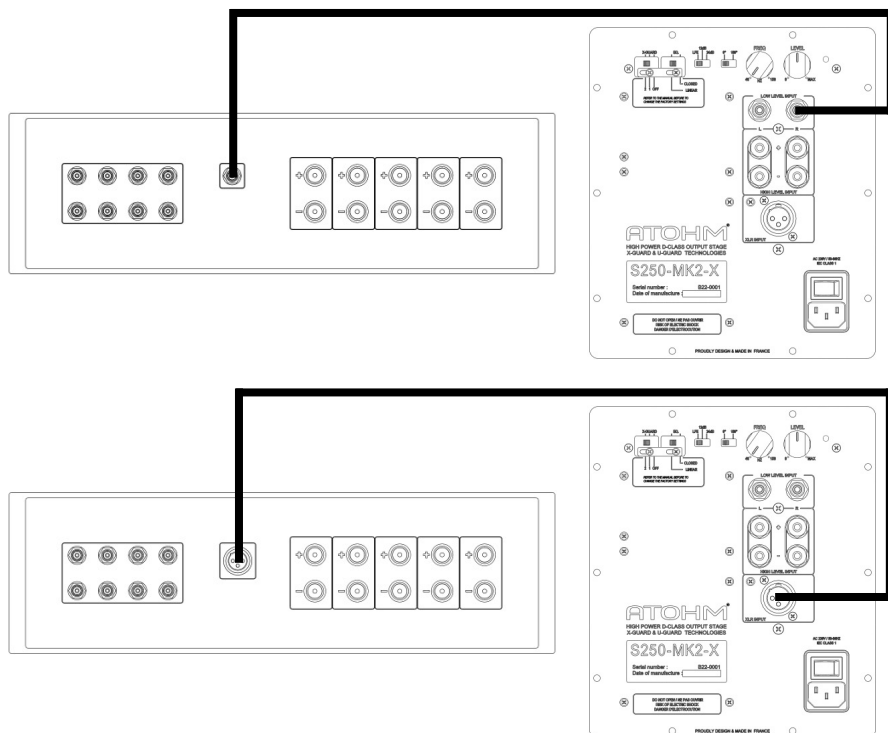
Your A/V processor has a "Sub Pre Out" output, connect it via the modulation cable (not supplied) to one of the two "Low level Input" inputs on your subwoofer (either L or R). If it has an XLR output, connect it via an XLR cable (not supplied) to the XLR input on your subwoofer. Hi Level Inputs must not be used. Input switching is automatic.

**Do not connect the 2 inputs (XLR and Low Level Input) at the same time.**

### Setting up your Audio Video processor :

- Configure all speakers in "small" mode
- Choose 120Hz as the crossover frequency.
- Adjust levels and distances

In the case of "auto set up" configurations with microphones, check the consistency of the settings afterwards.



## SET UP OF YOUR WATERFALL AUDIO SUBWOOFER

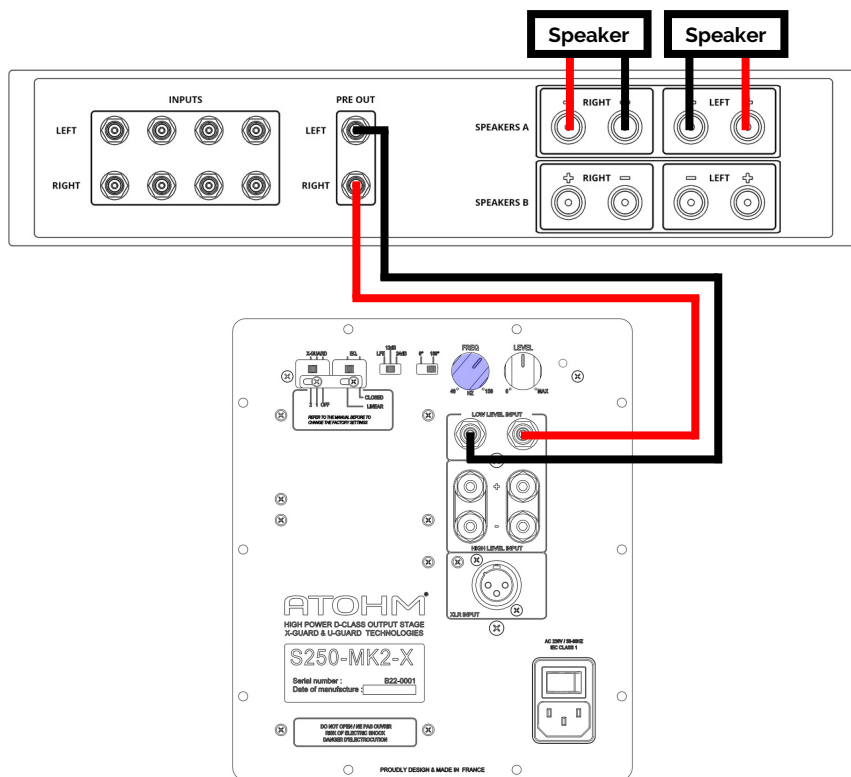
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- Switch "24-12-LFE" to the LFE position (note: on LFE the FREQ button is inactive, the crossover frequency is generated by the processor).
- Adjust the volume ("LEVEL") as required.
- PHASE: depending on the processor's bass management settings and certain distance parameters, phase inversion (180°) may be necessary.

A good phase connection will give a dense, homogenous sound reproduction. A poor phase match is characterised by a lack of energy in the lower midrange and an overly present high midrange

## SET UP AND HI FI CONFIGURATION (amplifier with PRE OUT outputs)

Connect the PRE OUT outputs of your stereo amplifier to the two "Low Level Input" inputs of the subwoofer amplifier. Do not use the Hi Level Inputs. Connect the speakers, making sure that the polarity is correct. Never connect two speakers in parallel on the same channel.

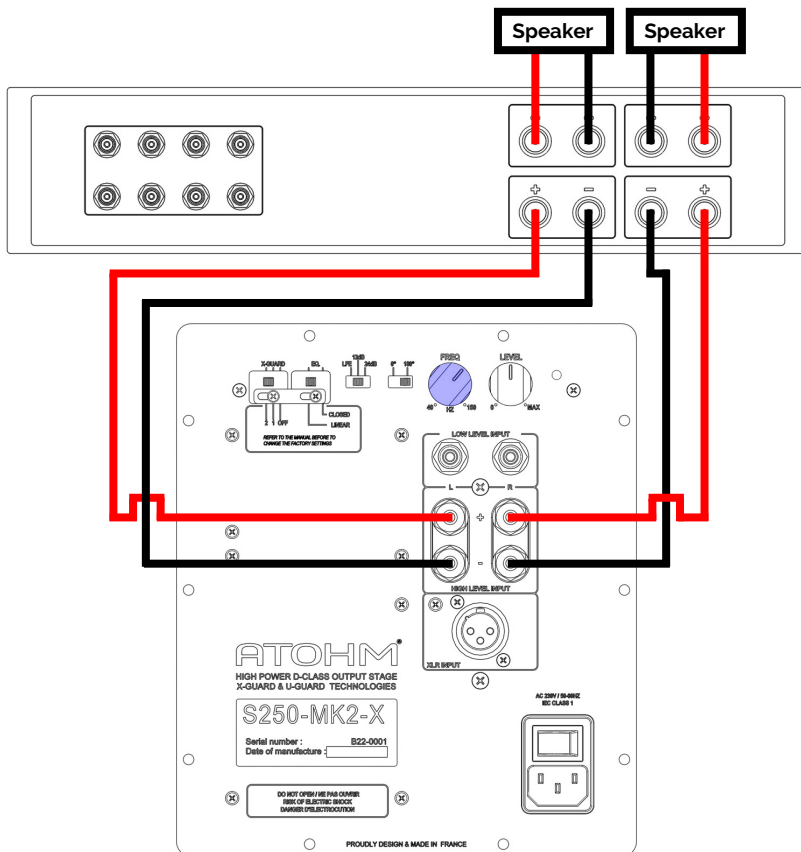


## SETTING UP YOUR WATERFALL SUBWOOFER

- Switch "24-12-LFE" to position 12dB
- Adjust the [FREQ knob towards 2H](#) as shown in the diagram
- PHASE: 180° position
- Adjust the volume ("LEVEL") to your liking

## HIFI SET-UP AND CONFIGURATION (amplifier without PRE-OUT outputs)

Connect the speakers outputs of your stereo amplifier to the two "High Level Input" inputs of the subwoofer amplifier. Connect the speakers, making sure that the polarity is correct.



## SETTING UP YOUR WATERFALL SUBWOOFER

- Switch "24-12-LFE" to position 12dB
- Adjust the **FREQ knob towards 2H** as shown in the diagram
- PHASE: 180° position
- Adjust the volume ("LEVEL") to your liking

## WARRANTY

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Waterfall speakers have a 5 years warranty (parts & service) except amplifiers. Waterfall amplifiers have a 2 years warranty (parts & service). Check more on [www.waterfallaudio.com](http://www.waterfallaudio.com) (warranty section).

**IN THE EVENT OF RESALE THE PRESENT THE DOCUMENT HAS TO BE INCLUDED WITH THE PRODUCT**

**WATERFALL AUDIO**

ZA les praderies - 83 570 Carcès - France  
**[waterfallaudio.com](http://waterfallaudio.com)**

Made in France, 5 years warranty on speakers, 2 years warranty on amplifiers (parts & service).  
We operate a policy of continuous improvement and reserve the right to amend designs and specifications without prior notice.



All drivers and amplifiers are developed and manufactured by ATOHM (France).