

WATERFALL AUDIO
SOUND DESIGNERS

MADE IN FRANCE



INSTRUCTIONS MANUAL
COMPACT SPEAKER
SERIO

INFORMATION & INSTRUCTIONS FOR USE

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

The Serio 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



Wall bracket
Standard
(included)



Wall bracket
15°
(optional)



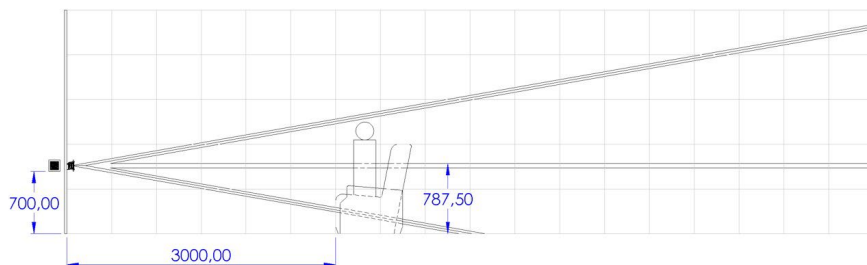
Rubber knobs
(Included)

INSTALLATION WITH STANDARD WALL BRACKET (supplied as standard)

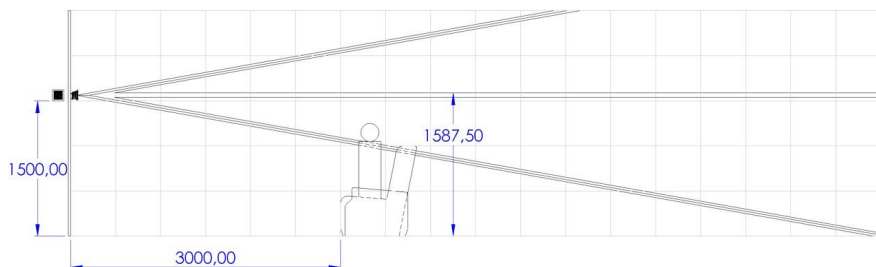
The speaker's diffusion parameters allow it to be installed at different heights depending on your installation and integration criteria.

The minimum possible height from the bottom of the speaker to the floor is 700mm; the maximum is 1500mm. (see next page for the positioning of the wall bracket).

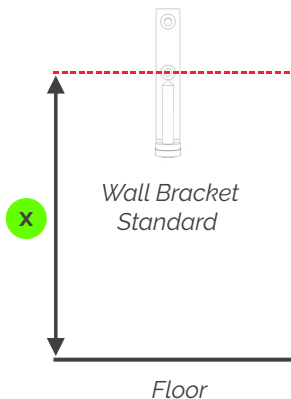
Minimum height : bottom of speaker at 700mm from floor



Maximum height : bottom of speaker at 1500mm from floor



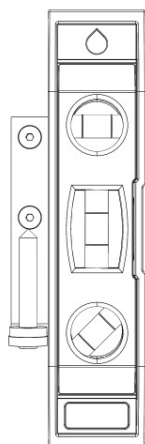
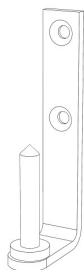
Before installing, check that there is no risk of cutting an electrical cable or damaging a pipe in the wall.



Distance bottom of speaker /Floor (in mm)	x - distance Floor/ Fixation holes (in mm)
700	762
800	862
900	962
1000	1062
1100	1162
1200	1262
1300	1362
1400	1462
1500	1562

STEP 1

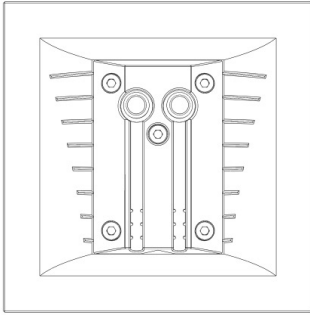
The speaker weighs 0,70 kg. It is your responsibility to ensure that this load can be accepted and to define the appropriate technical solution for fixing the speaker to the wall.



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. Check for polarities.

STEP 4

Slightly loosen the 2 screws that tighten the clamping system.

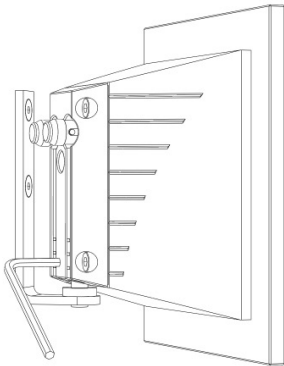
STEP 5

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.

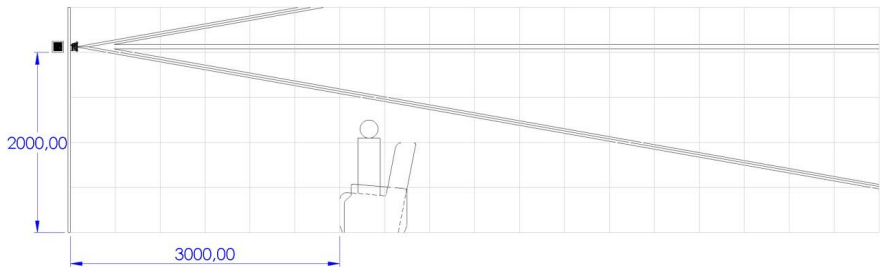


INSTALLATION WITH 15° WALL BRACKET (optional)

If the loudspeaker is to be positioned high up (over 2,0 meters), 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).

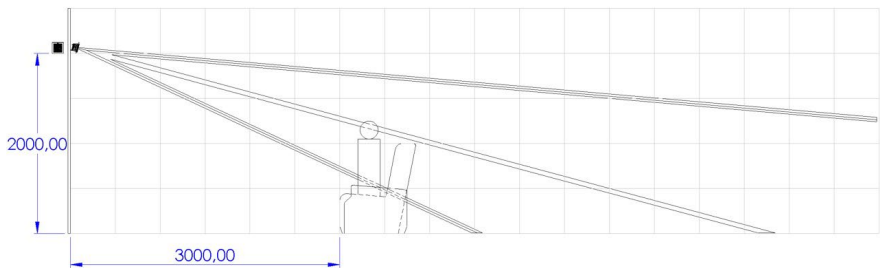
Mounting not recommended

Speaker 2000mm from the floor with standard wall bracket

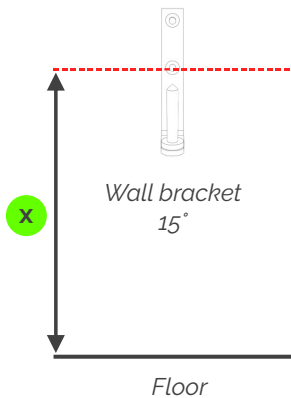


Recommended mounting

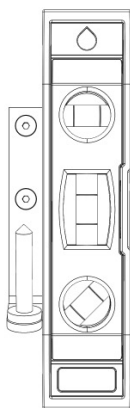
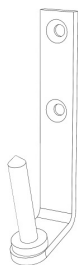
Speaker 2000mm from floor with the 15° angled bracket (Optional)



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	1862
1900	1962
2000	2062
2100	2162
2200	2262



STEP 1

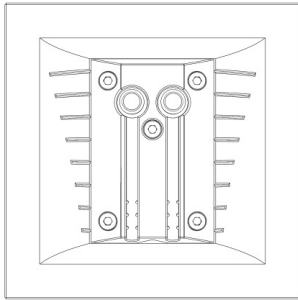
The speaker weighs 0,70 kg.

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. Check for polarities.

STEP 4

Slightly loosen the 2 screws that tighten the clamping system.

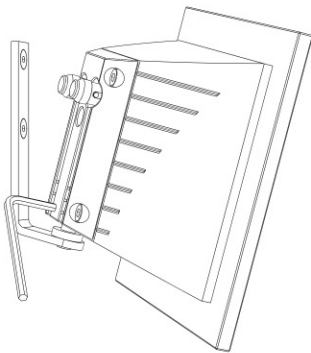
STEP 5

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.

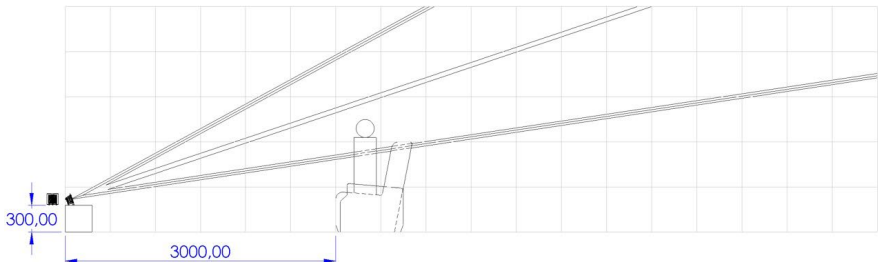


INSTALLATION WITH RUBBER KNOBS (SUPPLIED)

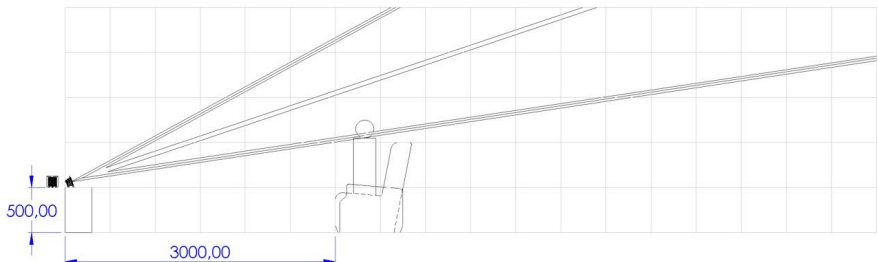
Serio has rubber knobs, so that it can be placed on a flat surface such as a low cabinet or shelf. The diffusion parameters allow positioning at different heights depending on the direction of the speaker and your installation and integration criteria.

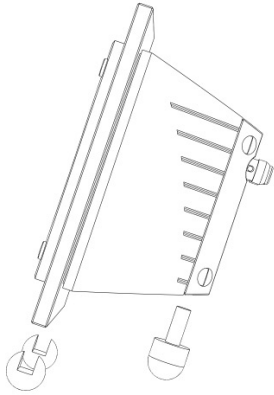
The minimum possible height from the underside of the shelf stand to the floor is 300mm; the maximum is 500 mm.

Minimum height : Bottom of speaker at 300mm from floor



Maximum height : Bottom of speaker at 500mm from floor





STEP 1

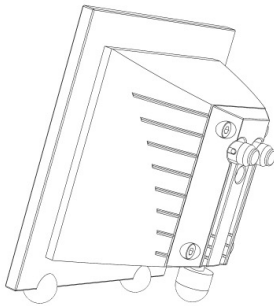
Position the first 2 knobs on the bottom part of the glass panel.

Insert the last knob on the backside of the speaker.

STEP 2

Connect the speaker. (be sure to observe the + and - polarities).

Pass the cable through the grooves



STEP 3

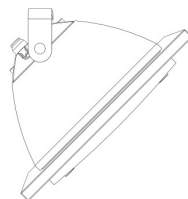
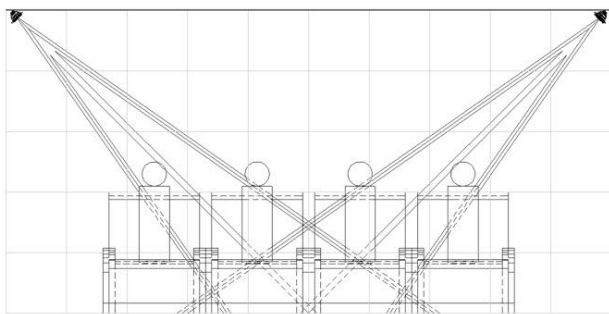
Position the speaker in its final location.

CEILING INSTALLATION WITH THE STANDARD WALL BRACKET (included in box)

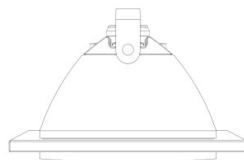
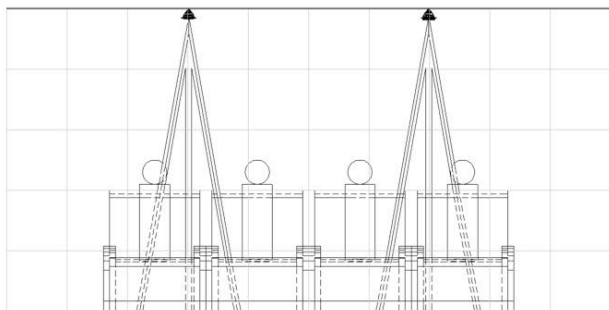
Thanks to the Serio's low weight and standard wall bracket, it is possible to place the speaker on the ceiling, either as a surround or as a ceiling speaker.

For the surround position, they need to be tilted at 45° and for the ceiling position it is recommended that they be left upright (with the glass parallel to the ceiling).

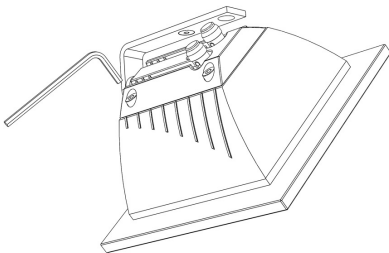
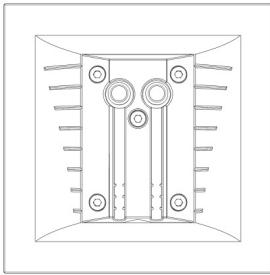
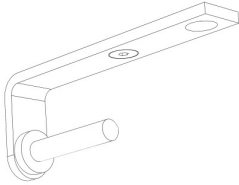
Surround : speaker at 45° angle from ceiling



As a ceiling speaker : speaker should be parallel to the ceiling



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



STEP 1

In order to be able to rotate the speaker and direct it towards the listening area, it is recommended that you fix the bracket with just one screw (the middle one) with a 4mm diameter countersunk head (not supplied).

If there is no need to orientate the speaker, attach the bracket with 2 screws, adjusting the level.

Make sure it is firmly attached to the ceiling.

STEP 2

Pass the 2 cables through the grooves and connect the speaker (make sure to respect the + and - polarities).

STEP 3

Slightly loosen the 2 bottom screws that tighten the clamping system.

STEP 4

Position the speaker on the stand. Rotate it to the desired orientation.

Lock the clamping system using the 2 screws at the bottom.

Make sure it is perfectly in place.

ACOUSTIC SET UP AND CONFIGURATION

Despite its compact size, the Serio 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 Serio with a Waterfall subwoofer, which has been specifically developed to ensure perfect timbre coherence.

Serio 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 blending. The final listening result depends on the quality of the settings during the initial installation.

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

CONNECTION TO YOUR AMPLIFIER

Serio is connected directly to the speaker output on 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

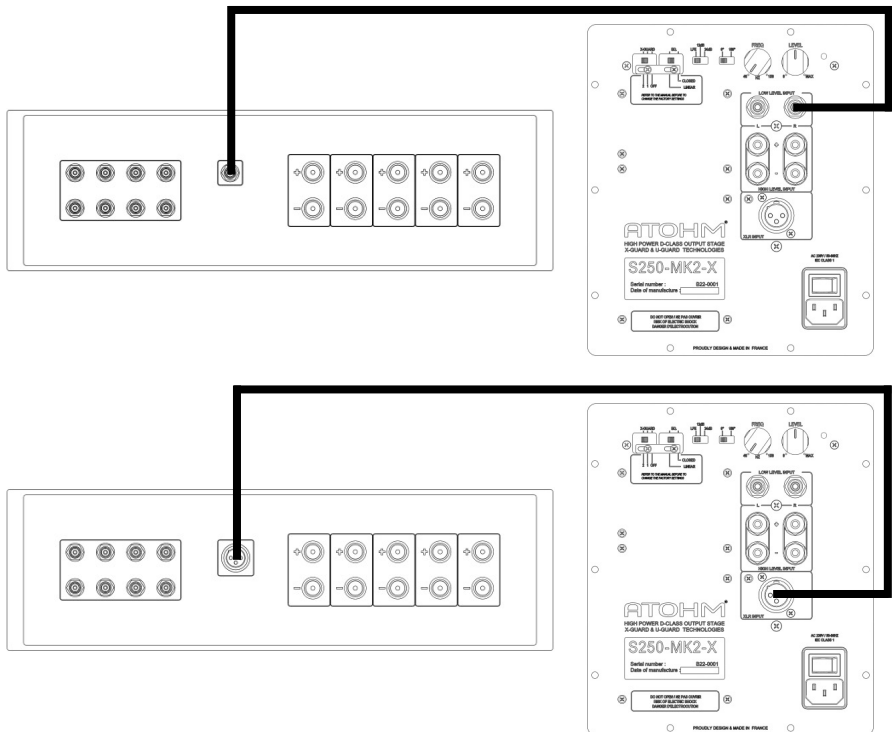
Your A/V processor has a "Sub Pre Out" output, connect it via the modulation cable (not supplied) to one of the two "Low level Input" on your subwoofer (either L or R). If it has an XLR output, connect it via an XLR cable (not supplied) to the XLR input on your subwoofer. Hi Level Inputs must not be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



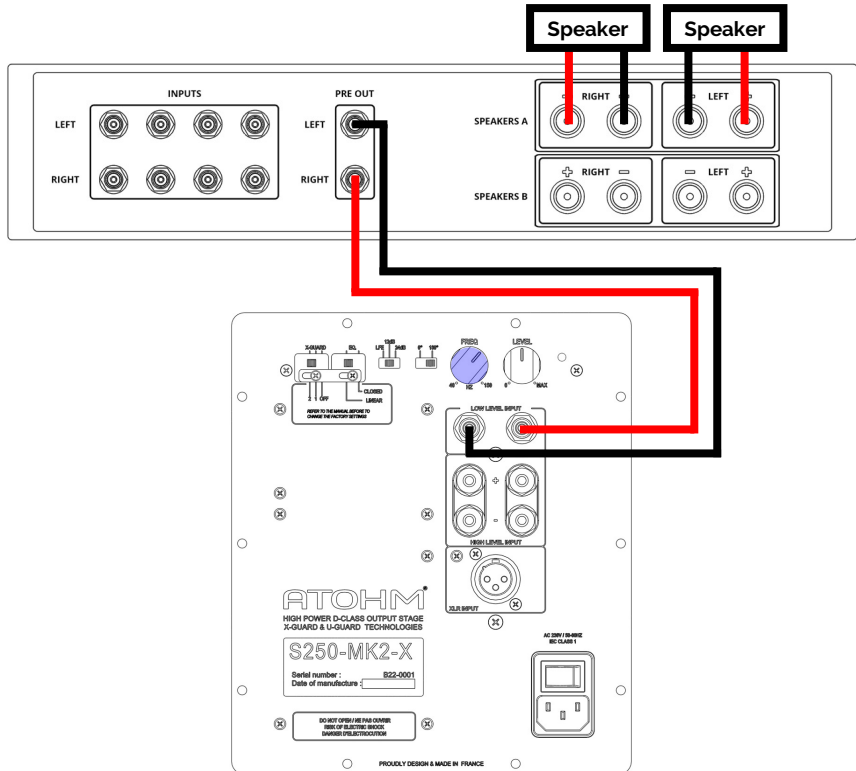
SET UP OF YOUR WATERFALL AUDIO SUBWOOFER

- 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.

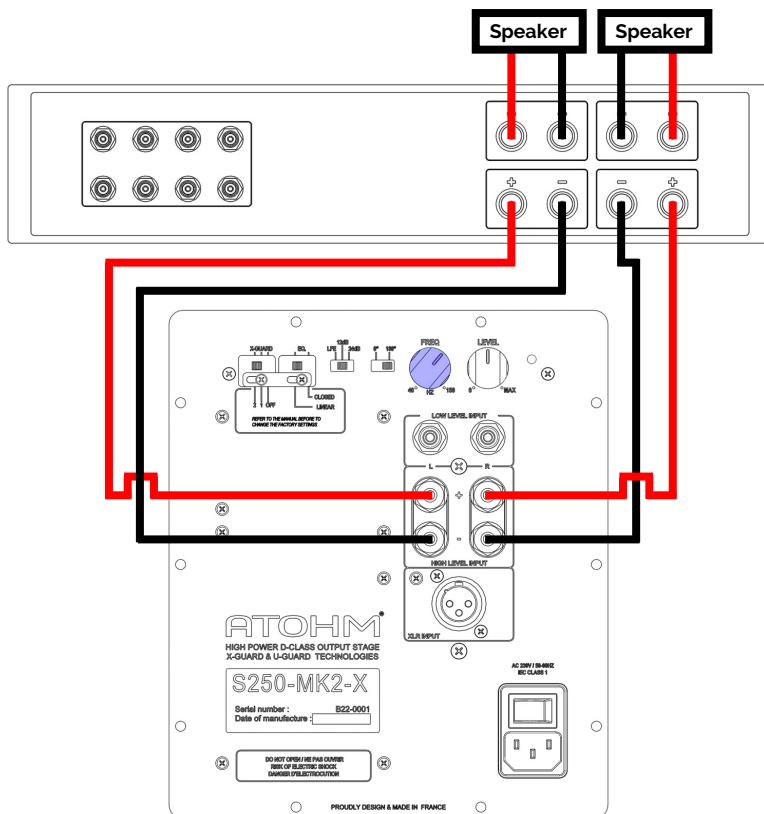


SETTING UP YOUR WATERFALL SUBWOOFER

- 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 Inputs" of the subwoofer amplifier. 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

WARRANTY

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 (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

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).