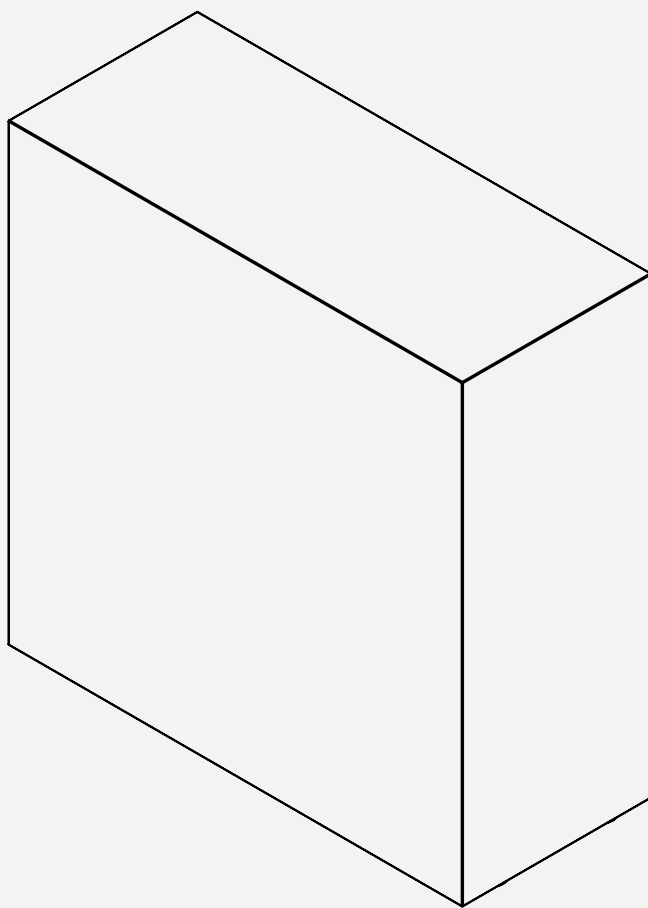


# Artcoustic<sup>AC</sup>

## SUBWOOFER SERIES

Owners manual



# WELCOME TO THE WORLD OF ARTCOUSTIC

Congratulations with the purchase of your Artcoustic Subwoofer.

The Artcoustic Subwoofer Series has an efficient passive double-tuned bandpass design, producing a fast, dynamic bass response and exceptional musical authority, easily integrated into any small to large Artcoustic system.

The Artcoustic Subwoofer Series is designed with a low resonance frequency 4th order bandpass design, which ensures powerful and clean bass.

The Artcoustic Subwoofer Series fits well into a remarkably small projection screen installation space, featuring a single or up to four high-quality 10" bass units, mounted within a specially tuned, elegant and contemporary cabinet, offering discrete floor, cabinet or wall placement. This technology allows for superb output performance to be possible in a cabinet much smaller than would otherwise be required.

Nearly 20 years of subwoofer technology and acoustic evolution has merged into the most advanced and powerful subwoofer series ever produced by Artcoustic.

The Artcoustic Subwoofer Series delivers amazing bass, ideal for professional applications, such as recording and film studios, dedicated cinemas and fixed installations in general. Employing a single or up to four long-throw woofers, capable of reproducing low frequency signals accurately and effortlessly. For larger rooms, or where a higher SPL is required, use multiple units.

Thank you for purchasing an Artcoustic product.

All the best,  
The Artcoustic Team

# FEATURES

## SUBWOOFER SERIES

The Artcoustic Subwoofer Series is ideal for use in high-end installations where sound quality is paramount, such as mid-field to full-space studio monitoring, for private cinema installations, and for commercial use in bars, restaurants and corporate presentation facilities, including commercial movie theatres.

LONG THROW BASS UNITS

HIGH LONG TERM POWER HANDLING

VERY LOW DISTORTION

VERY HIGH SPL

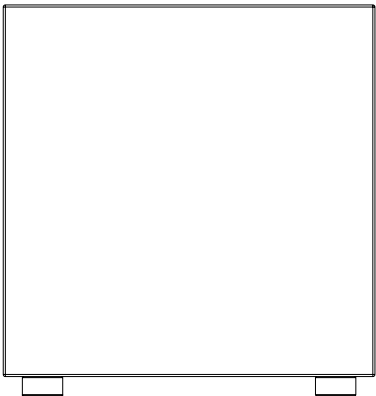
REMARKABLE DYNAMIC RANGE AND TRANSIENT RESPONSE

HEAT DISSIPATION, COMBINED WITH REDUCED DISTORTION MOTOR

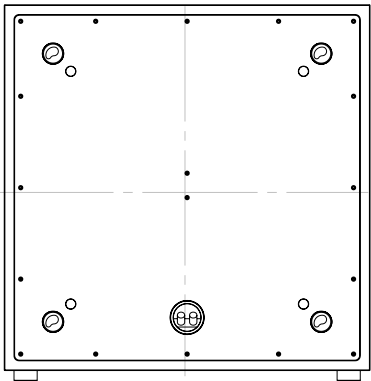
FAST EASY AND SIMPLE INSTALLATION

SUITABLE FOR A WIDE RANGE OF APPLICATION

Dedicated cinemas, screening rooms and most commercial applications



Sub 3 front view



Sub 3 rear view

## SPECIFICATIONS

## SUB C14-5 SUBWOOFER

## TRANSDUCER

LF 4 x 5'1/4 inch long throw cones

## CONNECTION

### Single amp Gold Plated Push Terminals

## PERFORMANCE

Operating Range 40 Hz (-3dB) to 400 Hz

Axial Sensitivity (Half Space SPL) LF 90 dB

Calculated Axial Output Limit (Half Space SPL) Average Peak 110 dB

Maximum Power Handling 2 hours of 6 dB crest factor pink noise.

200 Watt RMS (AES Standard)

Input Impedance Nominal Minimum 8 ohms

Nominal Beamwidth Omni-directional

## DESIGN

Cabinet: Outdoor IP62 standard colour NCS S 2500-N. optional RAL and NCS

Indoor Black SL, White SL, Optional RAL and NCS

Weight 10 kg

Dimensions H: 143 W: 1000 D: 117 mm

IMPORTANT!

For outdoor installations,  
check the installation guide

The Sub Ci4-5 employs four 5'1/4 inch long-throw woofer, combined with the Artcoustic in-house designed 1st. order high bandwidth sealed cabinet technology, making this sub capable of reproducing low frequency signals accurately and effortlessly, with high power handling and extremely low distortion.

The Sub Ci4-5 is ideal for installation where space and aesthetics is the main objective.

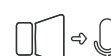
The Sub Ci4-5 fits well upon construction beams, mounted low by floor line, or even placed under the sofa.

## OPERATING RANGE

40 Hz — 400 Hz

-3dB 40 Hz

### SENSITIVITY



90 dB

## MAX SPI



110 dB

## MAXIMUM POWER



200 Watt

Input Impedance  
Nominal 8 ohms

NOMINAL BEAM  
WIDTH

Omni-directional

## DIMENSIONS



H: 143 W: 1000 D: 117 mm

## WEIGHT



10 kg

# SPECIFICATIONS

## SUB Z SUBWOOFER

### TRANSDUCER

LF 1 x 10 inch long throw cone

### CONNECTION

Single amp'd Gold Plated Push Terminals

### PERFORMANCE

Operating Range 35 Hz (-3dB) to 120 Hz  
Axial Sensitivity (Half Space SPL) LF 94 dB  
Calculated Axial Output Limit (Half Space SPL) Average Peak 110 dB  
Maximum Power Handling 2 hours of 6 dB crest factor pink noise,  
160 Watt RMS (AES Standard)  
Input Impedance Nominal Minimum 7 ohms  
Nominal Beamwidth Omni-directional

### DESIGN

Cabinet: Outdoor IP62 standard colour NCS S 2500-N. optional RAL  
Indoor Black, White, RAL, NCS  
Weight 6.1 kg  
Dimensions H: 350 W: 350 D: 208 mm

### IMPORTANT!

For outdoor installations,  
check the installation guide

Artcoustic Sub Z is the smallest subwoofer in our line up. This subwoofer delivers amazing bass, ideal for smaller installations, residential TV setup and smaller sized cinemas, commercial installations, such as bars, restaurants and cafés.

The Sub Z employs one 10 inch long-throw woofer, combined with the Artcoustic in-house designed 4th order bandpass technology, making this sub capable of reproducing low frequency signals accurately and effortlessly, with high power handling and extremely low distortion.

The Artcoustic Sub Z subwoofer is ideal for use in high-end installations where sound quality is paramount, for higher output, use multiple units.

#### OPERATING RANGE

35 Hz — 120 Hz

-3dB 35 Hz

#### SENSITIVITY



94 dB

#### MAX SPL



110 dB

#### MAXIMUM POWER



160 Watt

Input Impedance  
Nominal 7 ohms

#### NOMINAL BEAM WIDTH



Omni-directional

#### DIMENSIONS



H: 350 W: 350 D: 208 mm

#### WEIGHT



6.1 kg

# SPECIFICATIONS

## SUB Z-IWS IN-WALL SUBWOOFER

### TRANSDUCER

LF 1 x 10 inch long throw cone

### CONNECTION

Single ampd Gold Plated Push Terminals

### PERFORMANCE

Operating Range 35 Hz (-3dB) to 120 Hz  
Axial Sensitivity (Half Space SPL) LF 94 dB  
Calculated Axial Output Limit (Half Space SPL) Average Peak 110 dB  
Maximum Power Handling 2 hours of 6 dB crest factor pink noise,  
160 Watt RMS (AES Standard)  
Input Impedance Nominal Minimum 7 ohms  
Nominal Beamwidth Omni-directional

### DESIGN

Cabinet: Outdoor IP62 standard colour NCS S 2500-N. optional RAL  
Indoor Black, White, RAL, NCS  
Weight 10 kg  
Dimensions H: 440 W: 440 D: 163 mm

### IMPORTANT!

For outdoor installations,  
check the installation guide

Artcoustic Sub Z-IWS is the slimmest subwoofer in our line up. This in-wall subwoofer delivers amazing bass, ideal for smaller installations; residential TV setups, smaller sized cinemas and commercial installations, such as bars, restaurants and cafés.

The Sub Z-IWS employs one 10 inch long-throw woofer, combined with the Artcoustic in-house designed 4th order bandpass technology, making this sub capable of reproducing low frequency signals accurately and effortlessly, with high power handling and extremely low distortion.

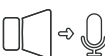
The Artcoustic Sub Z-IWS subwoofer is ideal for use in high-end installations where sound quality is paramount. For higher output, use multiple units.

#### OPERATING RANGE

35 Hz — 120 Hz

-3dB 35 Hz

#### SENSITIVITY



94 dB

#### MAX SPL



110 dB

#### MAXIMUM POWER



160 Watt

Input Impedance  
Nominal 7 ohms

#### NOMINAL BEAM WIDTH



Omni-directional

#### DIMENSIONS



H: 440 W: 440 D: 163 mm

#### WEIGHT



10 kg

# SPECIFICATIONS

## SUB 1 SUBWOOFER

### TRANSDUCER

LF 1 x 10 inch long throw cone

### CONNECTION

Single ampd Gold Plated Push Terminals

### PERFORMANCE

Operating Range 30 Hz (-3dB) to 120 Hz  
Axial Sensitivity (Half Space SPL) LF 96 dB  
Calculated Axial Output Limit (Half Space SPL) Average Peak 115 dB  
Maximum Power Handling 2 hours of 6 dB crest factor pink noise,  
160 Watt RMS (AES Standard)  
Input Impedance Nominal Minimum 7 ohms  
Nominal Beamwidth Omni-directional

### DESIGN

Cabinet: Outdoor IP62 standard colour NCS S 2500-N. optional RAL  
Indoor Black, White, RAL, NCS  
Weight 17 kg  
Dimensions H: 450 W: 450 D: 233 mm

### IMPORTANT!

For outdoor installations,  
check the installation guide

Artcoustic Sub 1 delivers amazing bass ideal for professional applications, such as recording and film studios, dedicated cinemas and fixed installations in general.

The Sub 1 employs one 10 inch long-throw woofer, combined with the Artcoustic in-house designed 4th order bandpass technology, making this sub capable of reproducing low frequency signals accurately and effortlessly, with high power handling and extremely low distortion.

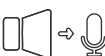
The Artcoustic Sub 1 subwoofer is ideal for use in high-end installations where sound quality is paramount.

#### OPERATING RANGE

30 Hz — 120 Hz

-3dB 30 Hz

#### SENSITIVITY



96 dB

#### MAX SPL



115 dB

#### MAXIMUM POWER



160 Watt

Input Impedance  
Nominal 7 ohms

#### NOMINAL BEAM WIDTH



Omni-directional

#### DIMENSIONS



H: 450 W: 450 D: 233 mm

#### WEIGHT



17 kg

# SPECIFICATIONS

## SUB 2 SUBWOOFER

### TRANSDUCER

LF 1 x 10 inch long throw cone

### CONNECTION

Single amp'd Gold Plated Push Terminals

### PERFORMANCE

Operating Range 27 Hz (-3dB) to 120 Hz  
Axial Sensitivity (Half Space SPL) LF 96 dB  
Calculated Axial Output Limit (Half Space SPL) Average Peak 116 dB  
Maximum Power Handling 2 hours of 6 dB crest factor pink noise,  
160 Watt RMS (AES Standard)  
Input Impedance Nominal Minimum 7 ohms  
Nominal Beamwidth Omni-directional

### DESIGN

Cabinet: Outdoor IP62 standard colour NCS S 2500-N. optional RAL  
Indoor Black, White, RAL, NCS  
Weight 18.8 kg  
Dimensions H: 500 W: 500 D: 233 mm

### IMPORTANT!

For outdoor installations,  
check the installation guide

For the ultimate in low-frequency performance, the Artcoustic Sub 2 subwoofer delivers awesome bass reproduction. This model changes the way subwoofers are perceived. Employing a single 10" long-throw woofer combined with the Artcoustic in-house designed 4th order bandpass technology, this subwoofer reproduces low frequency signals accurately and effortlessly, with high power handling and extremely low distortion.

For its size, it is one of the most dynamic, powerful and controlled subwoofer on the market, making it ideal for professional applications, such as recording and film studios, smaller dedicated cinemas and fixed installations in general.

The Artcoustic Sub 2 subwoofer is ideal for use in high-end installations where sound quality is paramount, such as mid-field to full-space studio monitoring, for private cinema installations, and for commercial use in bars, restaurants and corporate presentation facilities. For high SPL requirements, use multiple units.

#### OPERATING RANGE

27 Hz — 120 Hz

-3dB 27 Hz

#### SENSITIVITY



96 dB

#### MAX SPL



116 dB

#### MAXIMUM POWER



160 Watt

Input Impedance  
Nominal 7 ohms

#### NOMINAL BEAM WIDTH



Omni-directional

#### DIMENSIONS



H: 500 W: 500 D: 233 mm

#### WEIGHT



18.8 kg



# SPECIFICATIONS

## SUB 3 SUBWOOFER

### TRANSDUCER

LF 2 x 10 inch long throw cones

### CONNECTION

Single amp Gold Plated Push Terminals

### PERFORMANCE

Operating Range 20 Hz (-3dB) to 120 Hz  
Axial Sensitivity (Half Space SPL) LF 96 dB  
Calculated Axial Output Limit (Half Space SPL) Average Peak 122 dB  
Maximum Power Handling 2 hours of 6 dB crest factor pink noise,  
320 Watt RMS (AES Standard)  
Input Impedance Nominal Minimum 14 ohms  
Nominal Beamwidth Omni-directional

### DESIGN

Cabinet: Outdoor IP62 standard colour NCS S 2500-N. optional RAL  
Indoor Black, White, RAL, NCS  
Weight 28.1 kg  
Dimensions H: 600 W: 600 D: 258 mm

### IMPORTANT!

For outdoor installations,  
check the installation guide

For the ultimate in low-frequency performance, the Artcoustic Sub 3 subwoofer delivers awesome bass reproduction. For its size, it is one of the most dynamic, powerful and controlled subwoofer on the market, making it ideal for professional applications, such as recording and film studios, dedicated cinemas and fixed installations in general.

This model changes the way subwoofers are perceived. Employing two 10” long-throw woofers combined with our in-house 4th order bandpass technology, this subwoofer reproduces low frequency signals accurately and effortlessly, with high power handling and extremely low distortion.

The Artcoustic Sub 3 subwoofer is ideal for use in high-end installations where sound quality is paramount, such as mid-field to full-space studio monitoring, for private cinema installations and for commercial use in bars, restaurants and corporate presentation facilities. For very high SPL requirements, use multiple units.

#### OPERATING RANGE

20 Hz — 120 Hz

-3dB 20 Hz

#### SENSITIVITY



96 dB

#### MAX SPL



122 dB

#### MAXIMUM POWER



320 Watt

Input Impedance  
Nominal 14 ohms

#### NOMINAL BEAM WIDTH



Omni-directional

#### DIMENSIONS



H: 600 W: 600 D: 258 mm

#### WEIGHT



28.1 kg

# SPECIFICATIONS

## SUB 4 SUBWOOFER

### TRANSDUCER

LF 4 x 10 inch long throw cones

### CONNECTION

Single ampd Gold Plated Push Terminals

### PERFORMANCE

Operating Range 15 Hz (-3dB) to 120 Hz  
Axial Sensitivity (Half Space SPL) LF 99 dB  
Calculated Axial Output Limit (Half Space SPL) Average Peak 128 dB  
Maximum Power Handling 2 hours of 6 dB crest factor pink noise,  
640 Watt RMS (AES Standard)  
Input Impedance Nominal Minimum 8 ohms  
Nominal Beamwidth Omni-directional

### DESIGN

Cabinet: Outdoor IP62 standard colour NCS S 2500-N. optional RAL  
Indoor Black SL, White SL, RAL, NCS  
Weight 51.5 kg  
Dimensions H: 1000 W: 600 D: 258 mm

### IMPORTANT!

For outdoor installations,  
check the installation guide

For the ultimate in low-frequency performance, the Artcoustic Sub 4 subwoofer is the largest and most powerful subwoofer in our lineup. The Sub 4 delivers unmatched bass reproduction and for its size, it is one of the most dynamic, powerful and controlled subwoofer on the market, making it ideal for professional applications, such as recording and film studios, dedicated cinemas and fixed installations in general.

This model changes the way subwoofers are perceived. Employing 4 10” long-throw woofers combined with our in-house 4th order bandpass technology, this subwoofer reproduces low frequency signals accurately and effortlessly, with high power handling and extremely low distortion.

The Artcoustic Sub 4 subwoofer is ideal for use in high-end installations where sound quality is paramount, such as full-space studio monitoring, for private and commercial cinema installations and for commercial use in bars, clubs and corporate presentation facilities.  
For professional level SPL requirements, use multiple units.

#### OPERATING RANGE

15 Hz — 120 Hz  
-3dB 15 Hz

#### SENSITIVITY

 →   
99 dB

#### MAX SPL

  
128 dB

#### MAXIMUM POWER

■■■■■■■■■■  
640 Watt  
Input Impedance  
Nominal 8 ohms

#### NOMINAL BEAM WIDTH

  
Omni-directional

#### DIMENSIONS

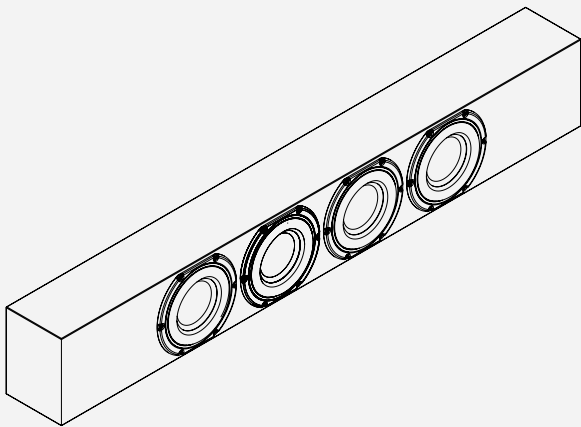


H: 1000 W: 600 D: 258 mm

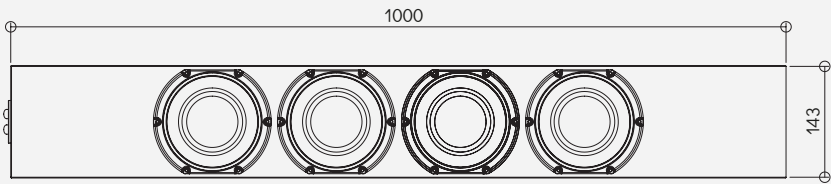
#### WEIGHT

  
51.5 kg

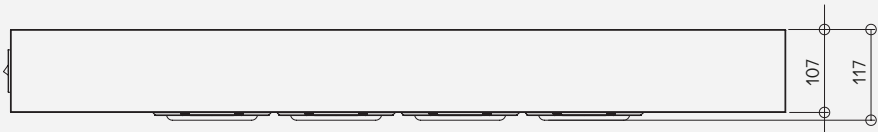
# SCHEMATICS



isometric view



front view



top view



left view

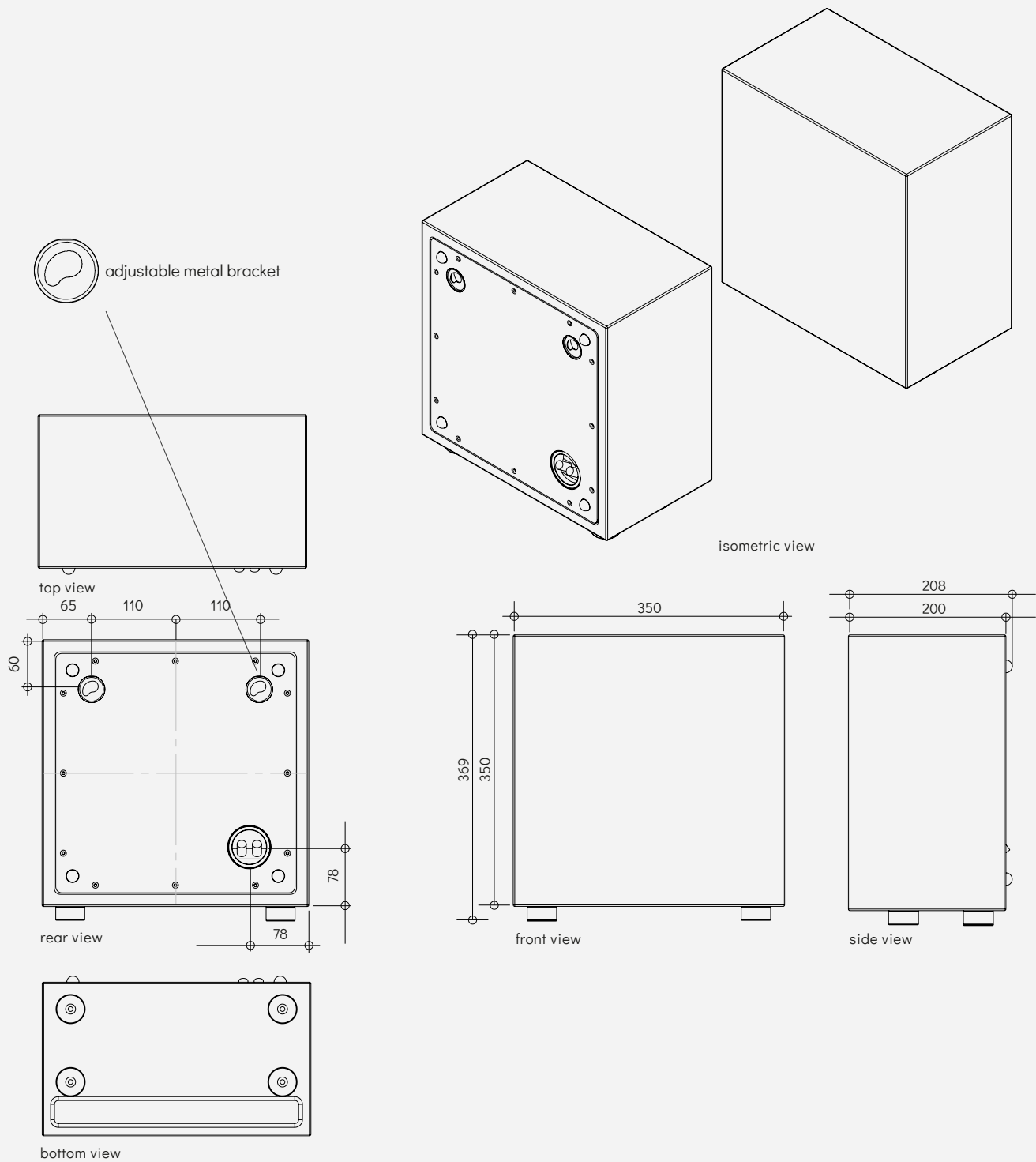


rear view

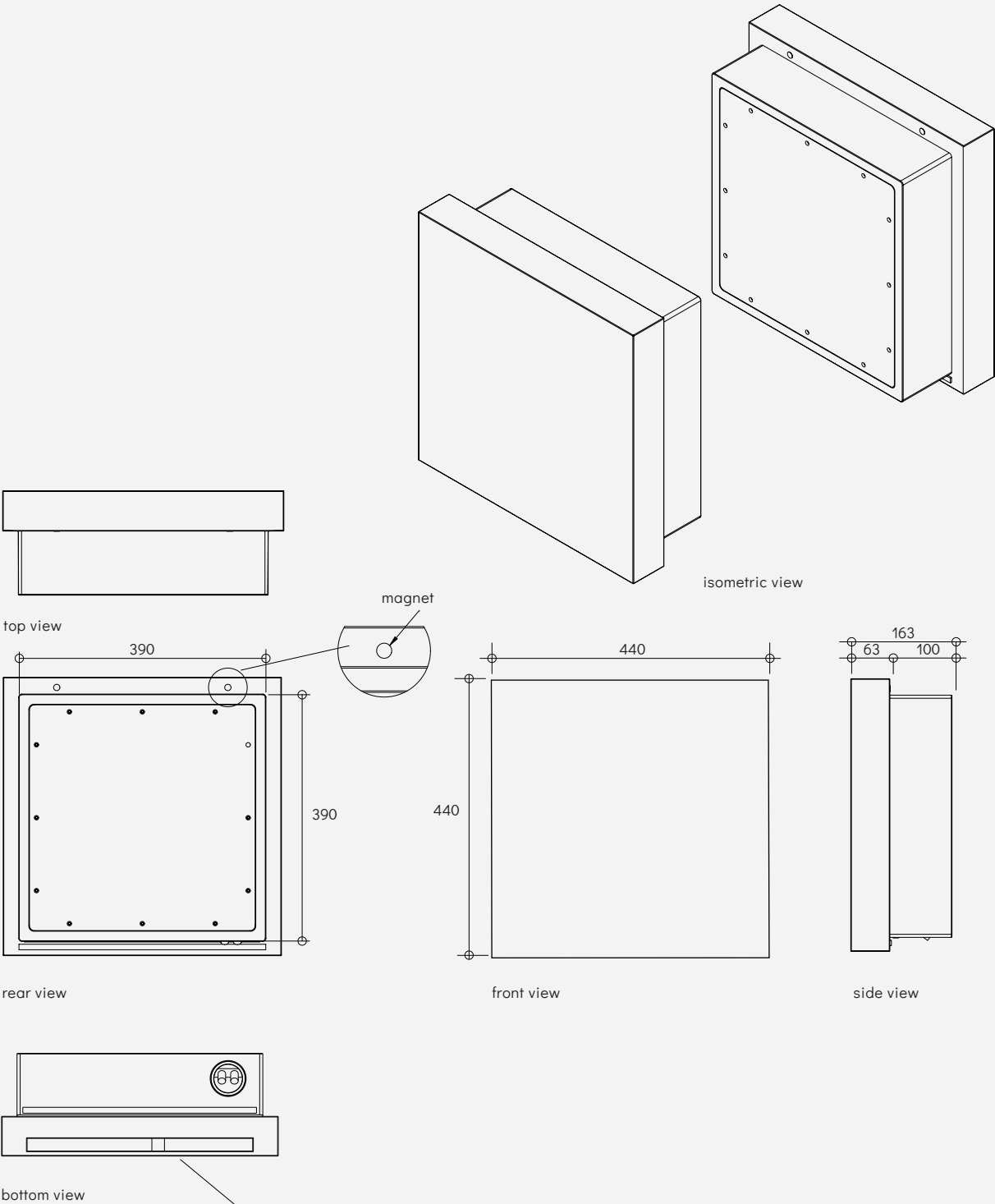


right view

# SCHEMATICS



# SCHEMATICS

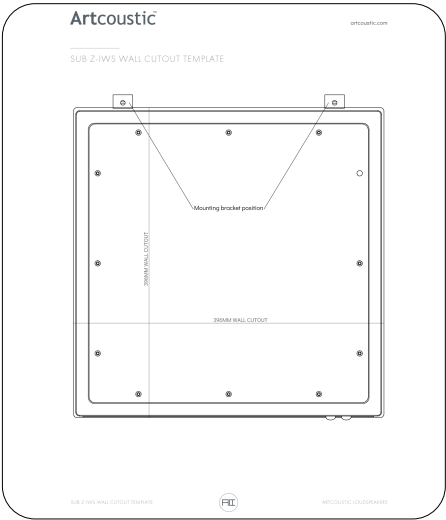


IMPORTANT! DO NOT COVER PORT

# MOUNTING INSTRUCTION

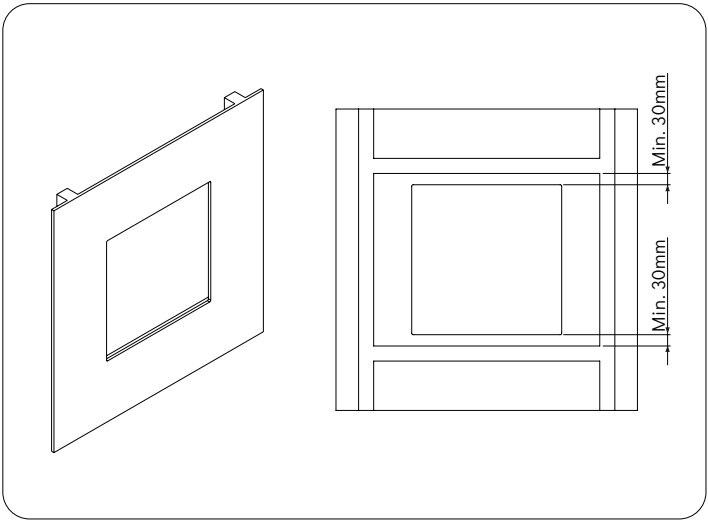
## IN-WALL SUBWOOFER INSTALLATION MADE EASY

1



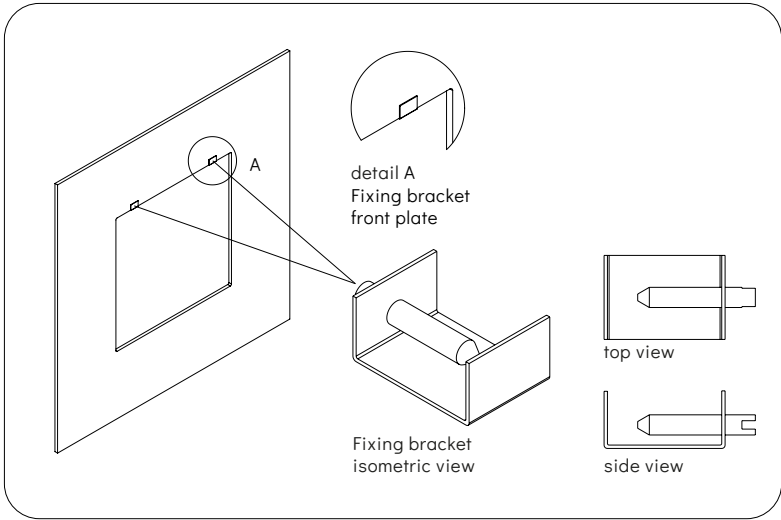
Place the IWS-Sub template on the wall and carefully mark the wall cut out and the fitting bracket position

2



Cut the hole in the wall according to the template  
For horizontal studs, keep a minimum distance of 30mm

3

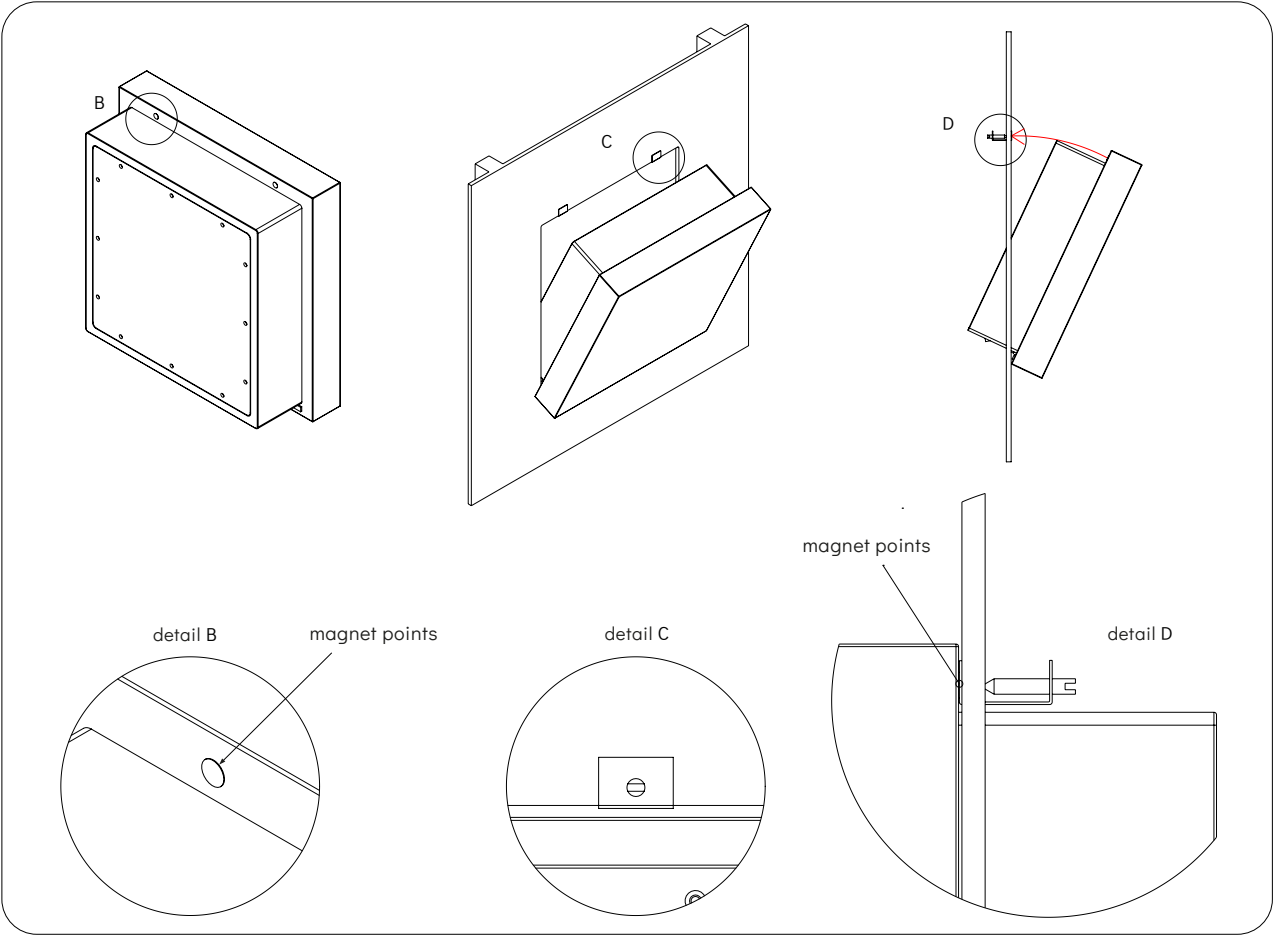


Mount the fixing brackets according to the template position

# MOUNTING INSTRUCTION

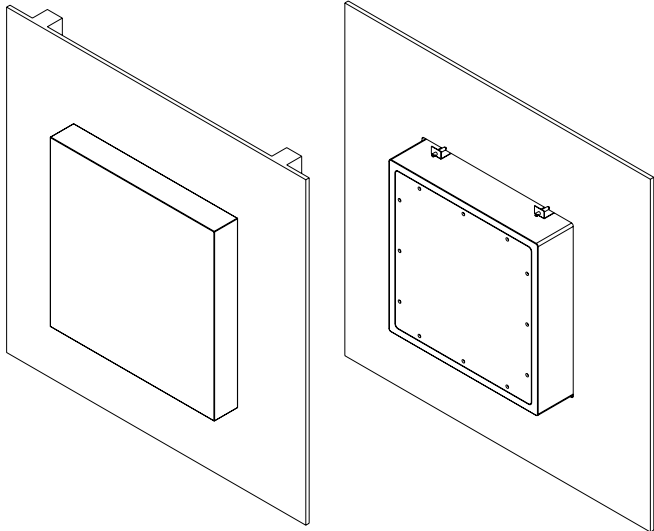
## IN-WALL SUBWOOFER INSTALLATION MADE EASY

4

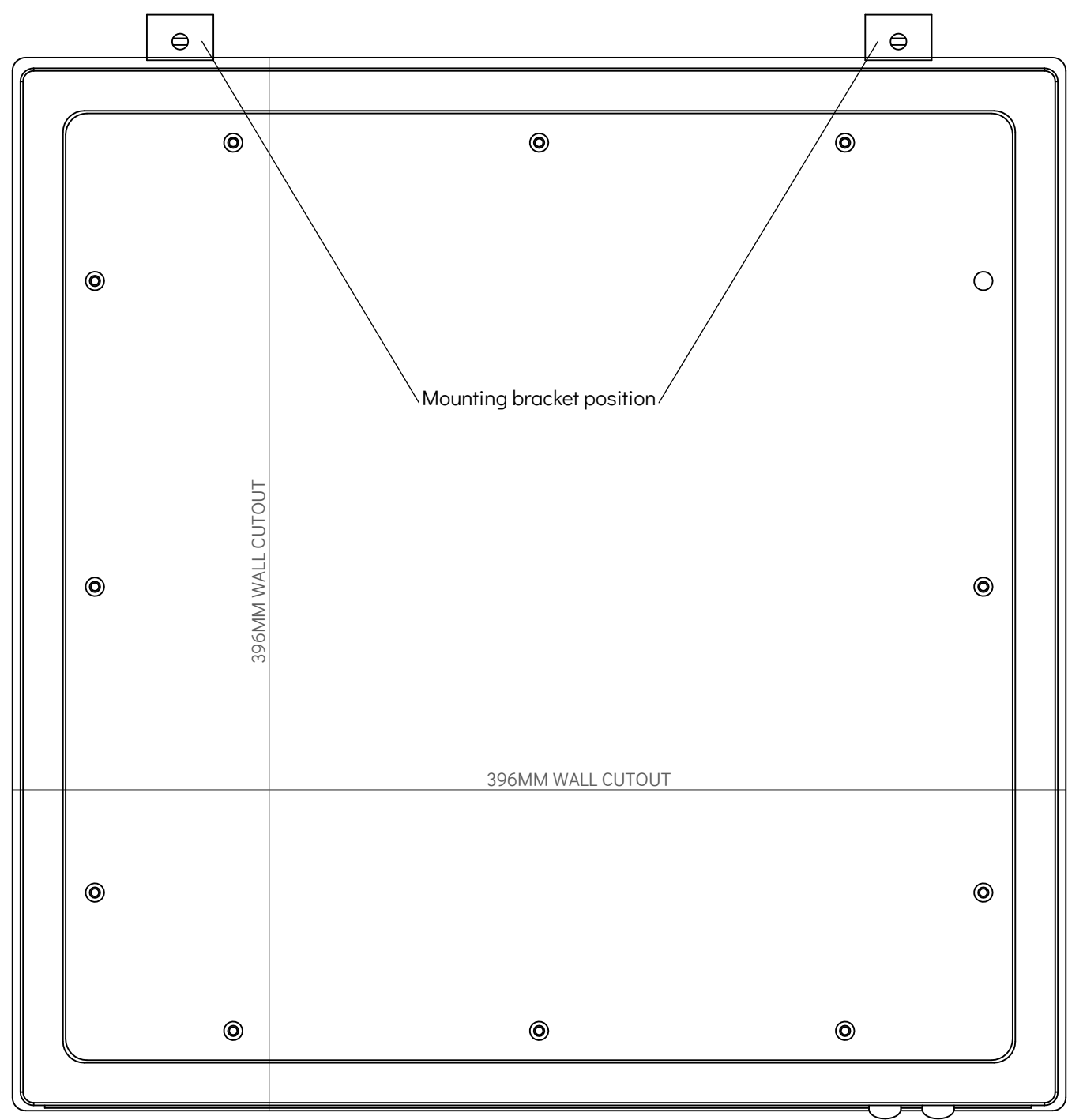


Place the IWS-Sub on lower edge and tilt upwards until magnets have contact with the two fixing brackets

Installation finalized  
in-wall mounted Sub isometric view

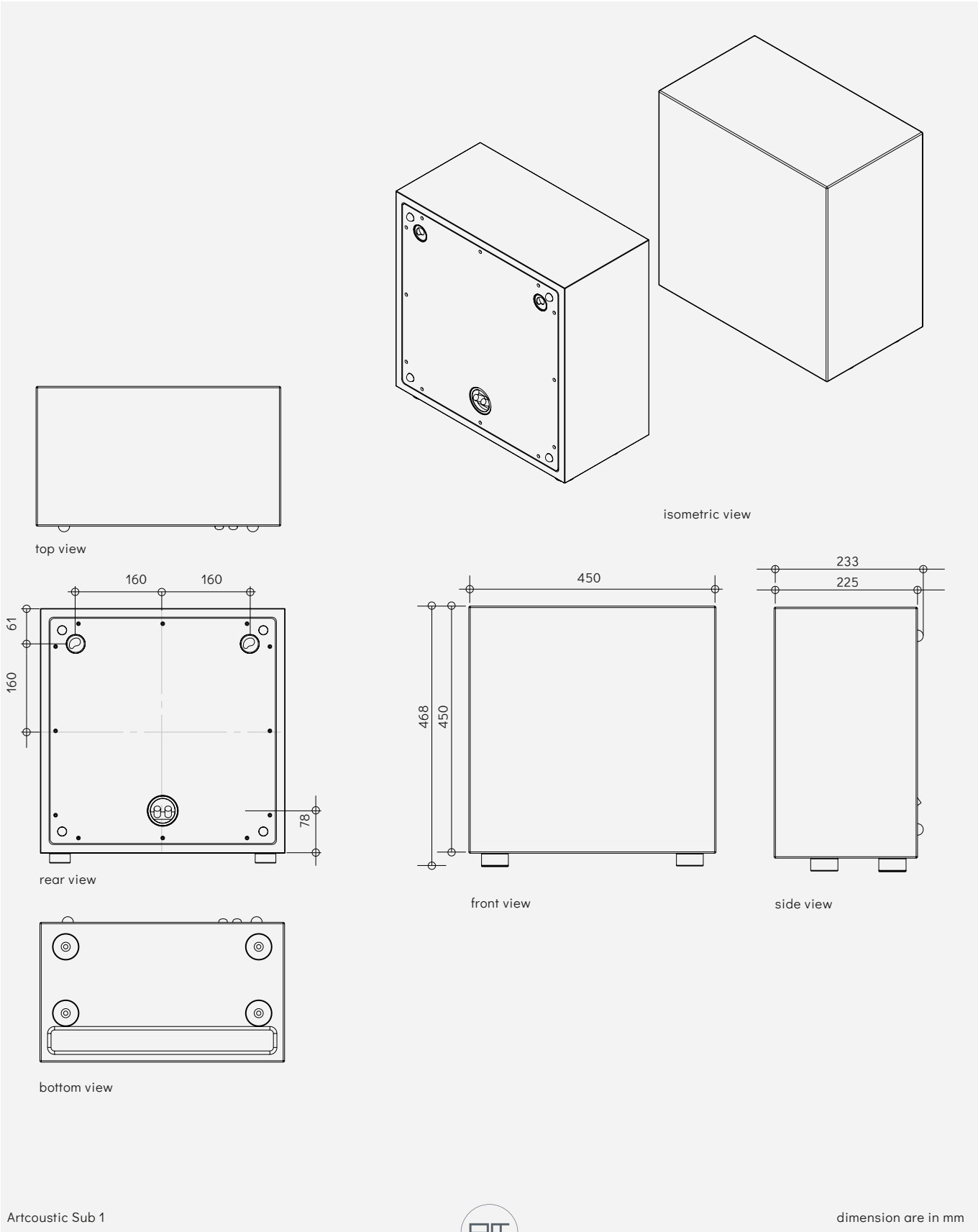


SUB Z-IWS WALL CUTOUT TEMPLATE

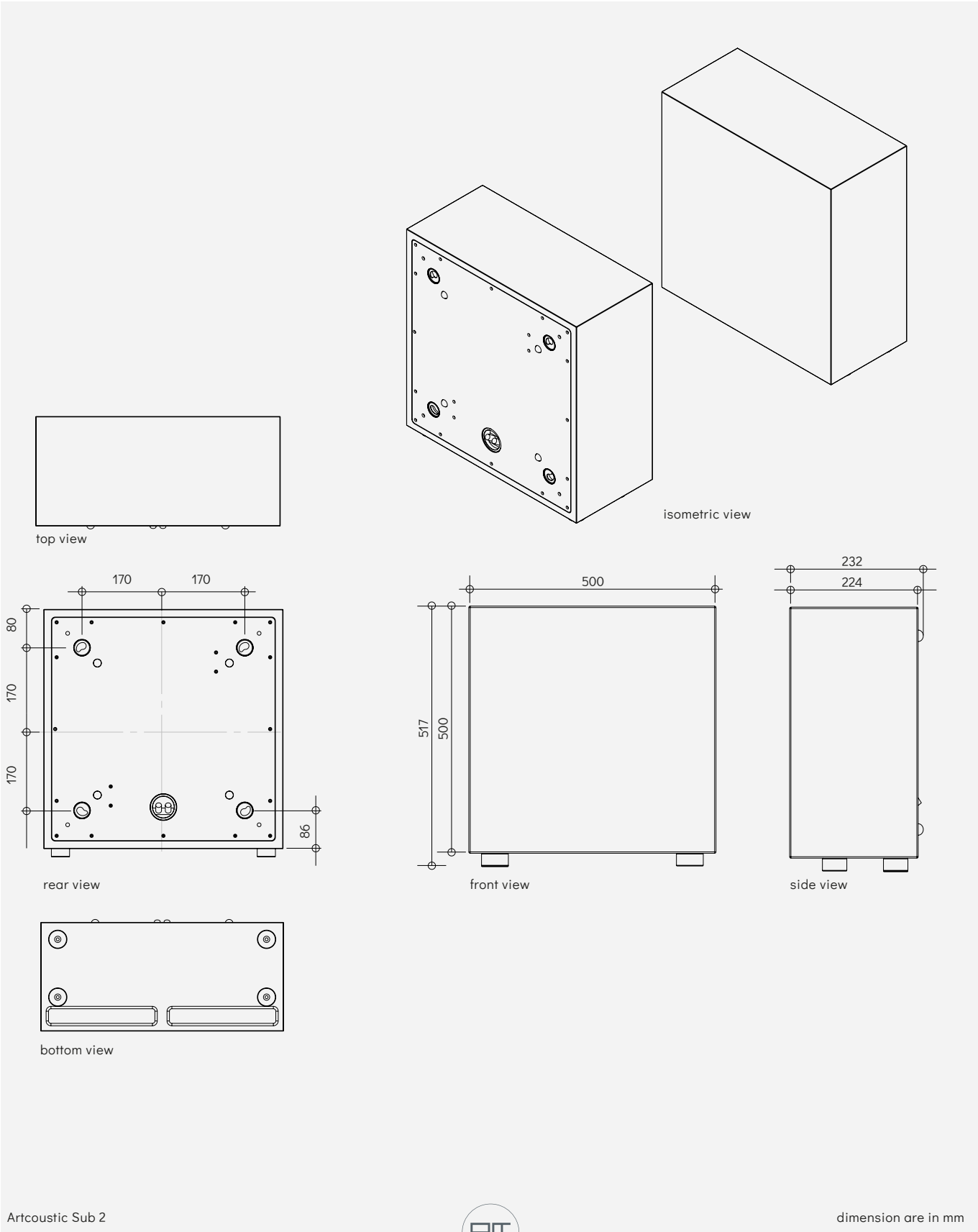




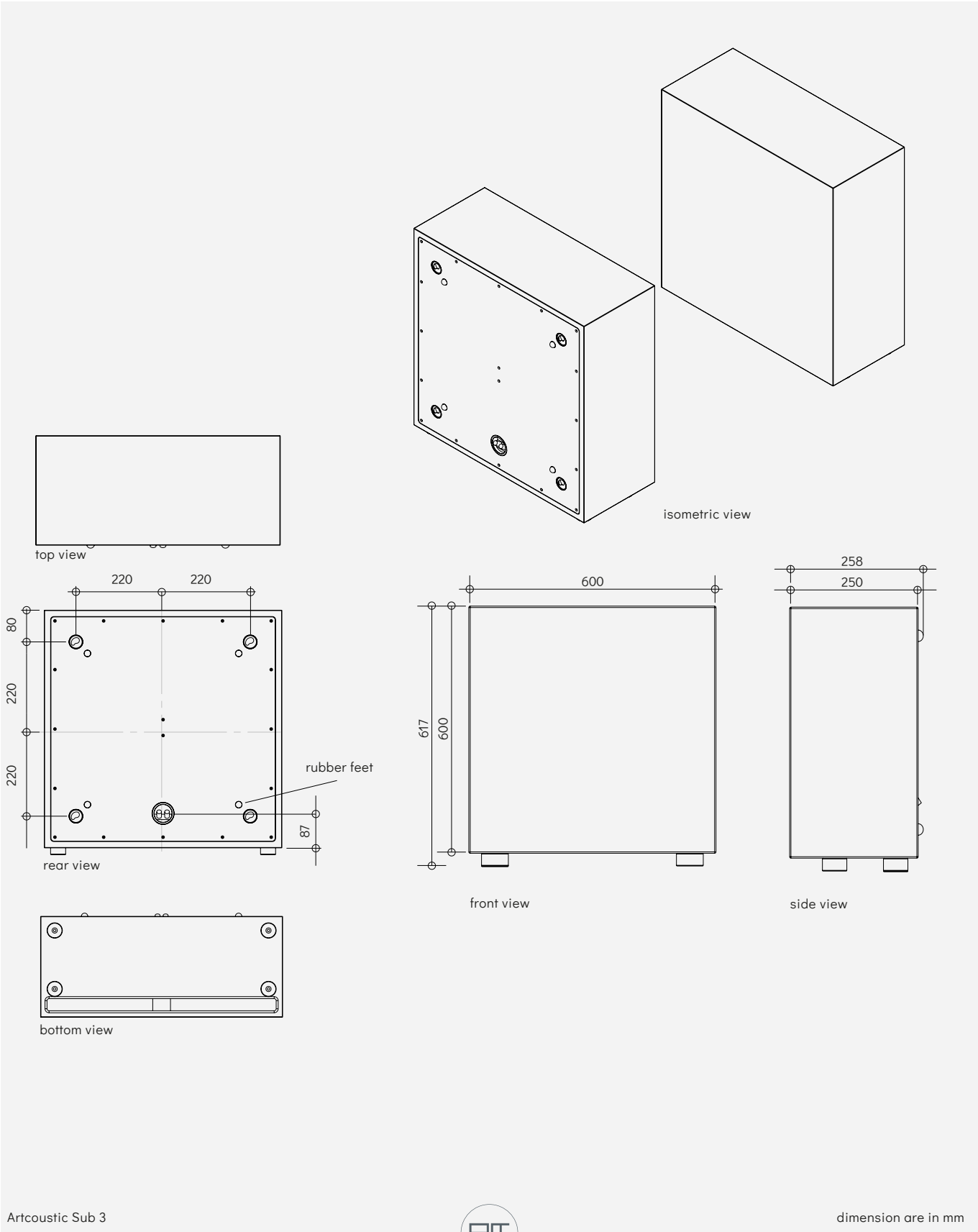
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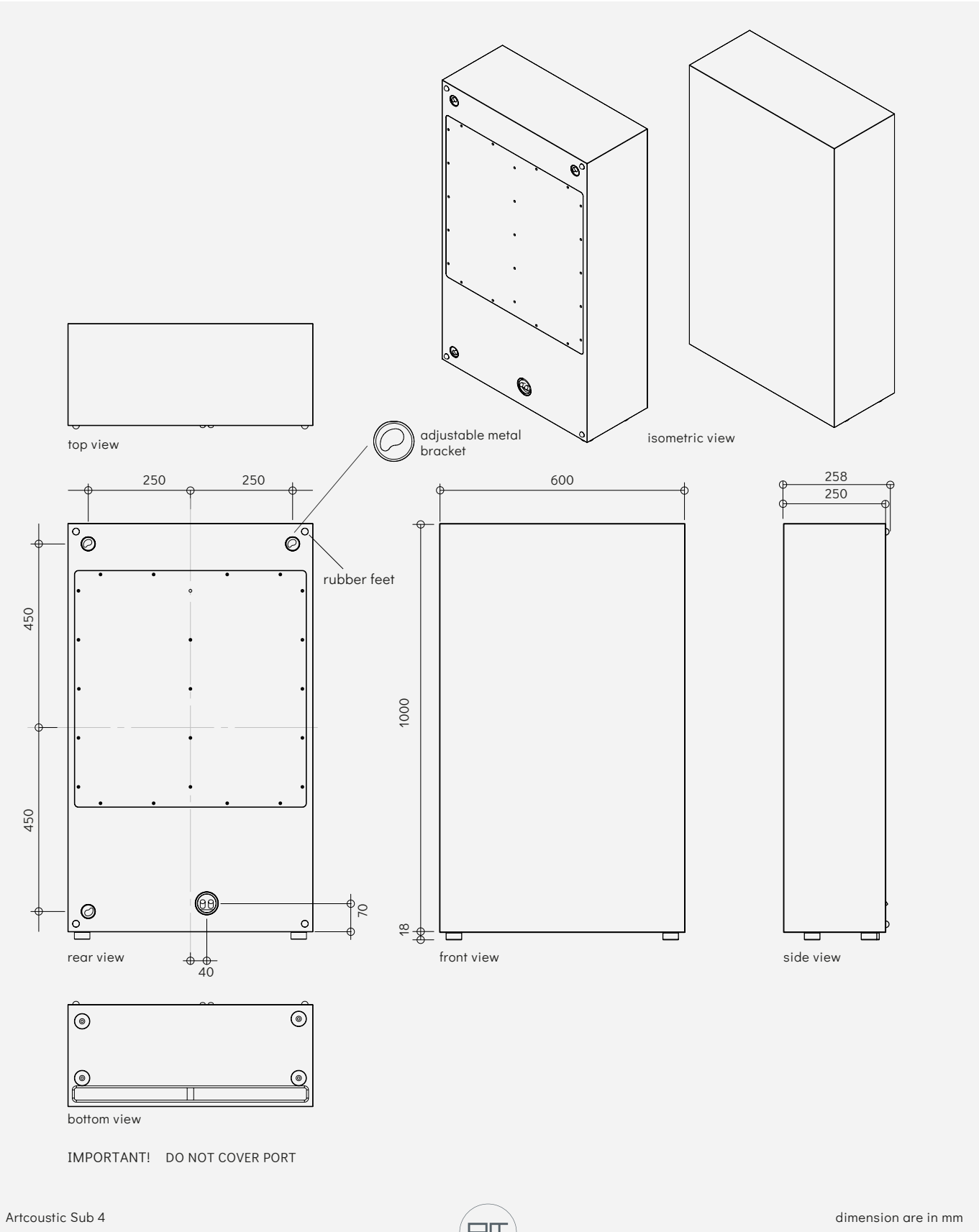
# SCHEMATICS



# SCHEMATICS



# SCHEMATICS

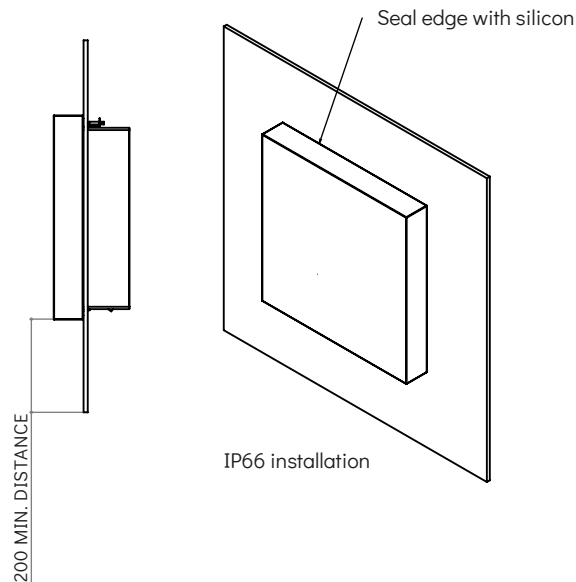


# OUTDOOR PLACEMENT GUIDE

## ARTCOUSTIC SUB Z-IWS

Sub Z-IWS IP66 mounted outdoor, it is important to seal the connecting edge with silicon and in order to avoid flooding, always mount the sub min. 200mm above ground.

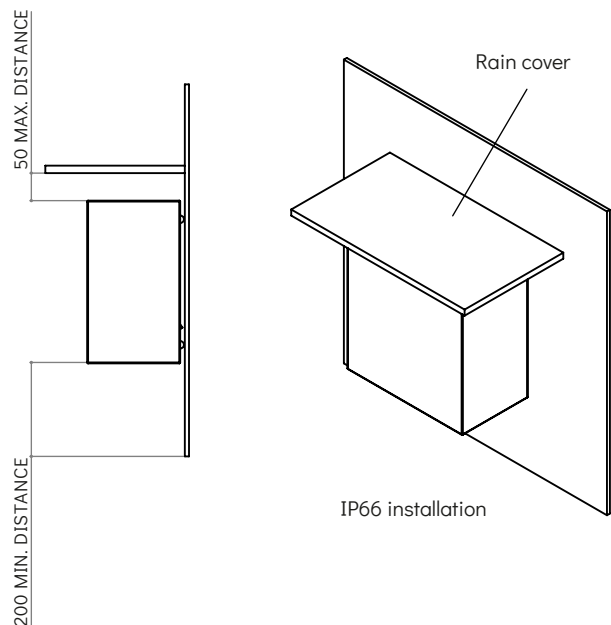
**IMPORTANT!**  
IP66 standard level can only be reached if installed properly



## ARTCOUSTIC SUB Z, SUB 1, SUB 2, SUB 3 AND SUB 4

Bandpass sub series IP66 mounted outdoor, it is important to protect the rear plate, with connectors and wall mounts from direct rain, the Artcoustic bandpass subs should always be mounted under a rain cover and in order to avoid flooding, always mount the sub min. 200mm above ground.

**IMPORTANT!**  
IP66 standard level can only be reached if installed properly



# SUBWOOFER PLACEMENT GUIDE

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## THE FIRST RANGE OF SUBWOOFER SPECIFICALLY DESIGNED TO HELP ADDRESS ROOM MODES

Artcoustic have helped to create some truly stunning cinema systems, and have used all that experience to develop a groundbreaking range of new subwoofers.

The new Sub Z, Sub Z-IWS, Sub 1, Sub 2, Sub 3, Sub 4 effectively allow for more flexibility in positioning your subwoofers.

With this new range, we have the advantage of a smaller design, which here by can be positioned in more suitable places in the room.

This enables us to design systems which address the problematic room modes at the design stage instead of trying to fight them with aggressive EQ once installed.

The end result is a much more dynamic, smoother, more accurate bass in every room.

USE THE NEW SUBWOOFERS IN PAIRS, IN ORDER TO SMOOTHEN OUT OFTEN DIFFICULT TO EQ ROOM MODES.

# SUBWOOFER PLACEMENT GUIDE

## IMPORTANCE OF ROOM MODES

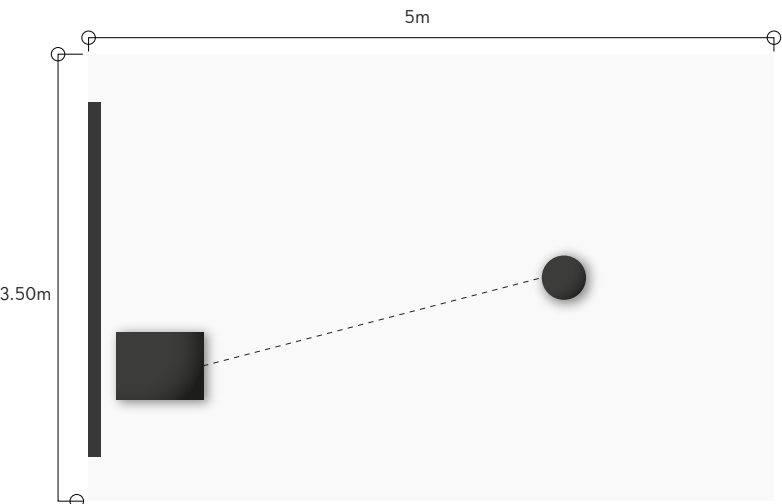


Fig. one sub room placement

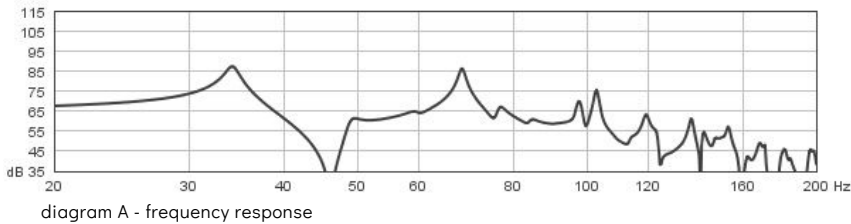


Diagram A illustrates a typical problem, which can arise using a single or multiple subwoofers, placed in one end of the room.

A rather steep dip can be seen in the region of 35-60Hz.

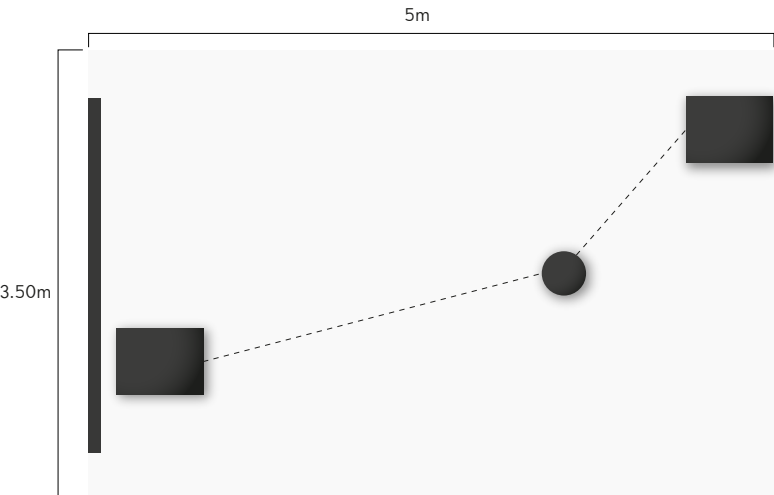


Fig. two sub room placement

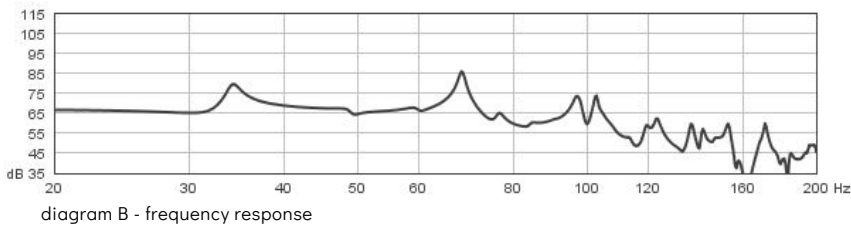
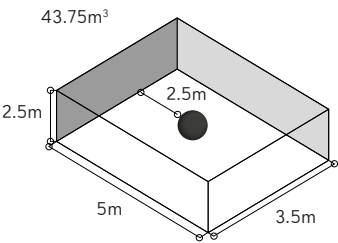


Diagram B illustrates how a dip can be eliminated by placing a similar size and output subwoofer in the opposite end of the room.

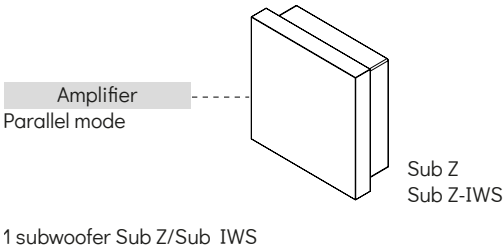
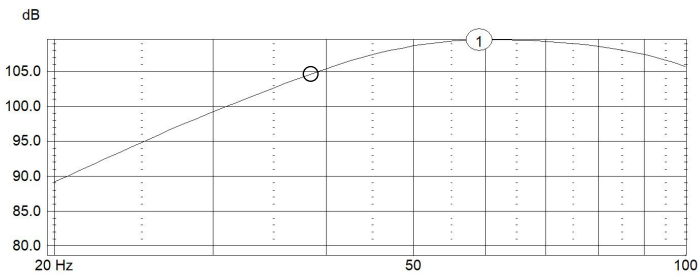
We strongly recommend using multiple subwoofer units whenever budget and space allow for it.

# SUBWOOFER ROOM SIMULATION

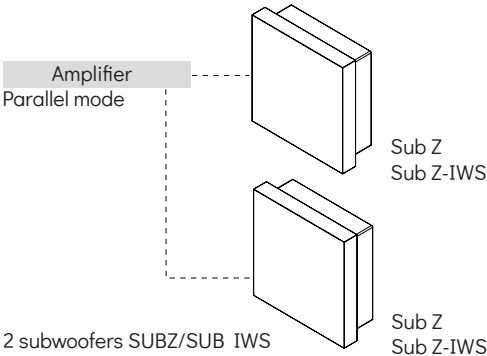
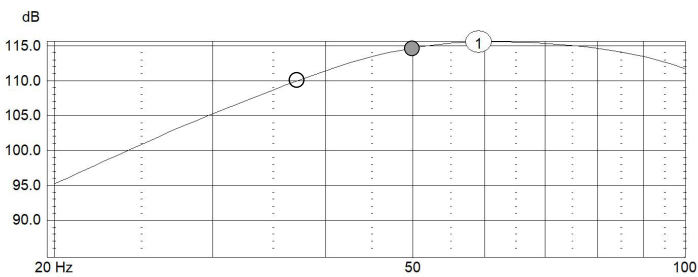
## SUB Z SMALL ROOM



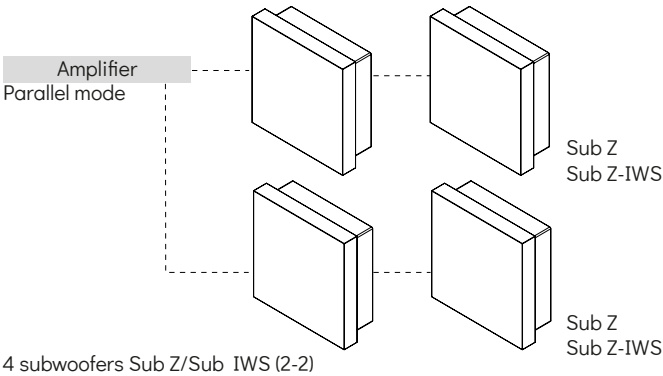
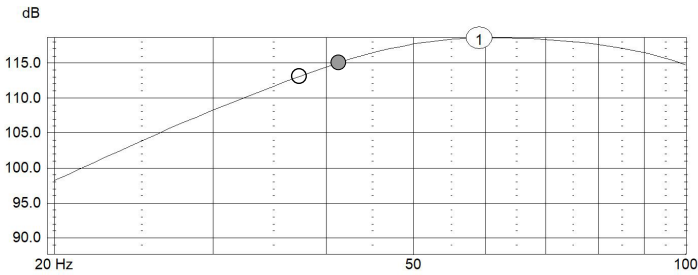
DOLBY ATMOS REFERENCE LEVEL NOT ACHIEVED (-3DB 37HZ)



DOLBY ATMOS REFERENCE LEVEL, ACHIEVED @ 50HZ (-3DB 37HZ)



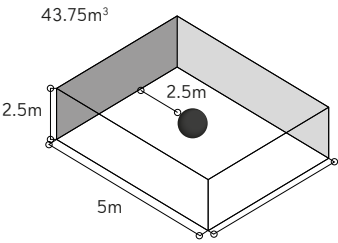
DOLBY ATMOS REFERENCE LEVEL, ACHIEVED @ 42HZ (-3DB 37HZ)



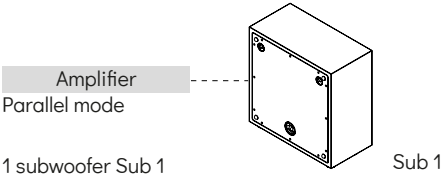
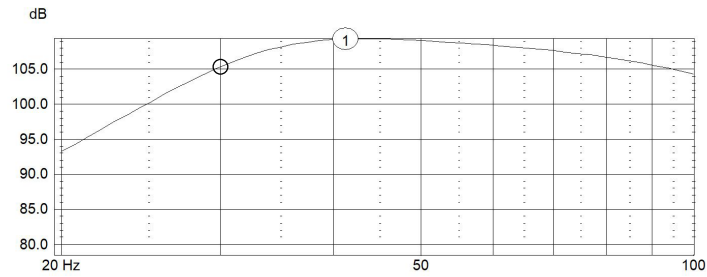


# SUBWOOFER ROOM SIMULATION

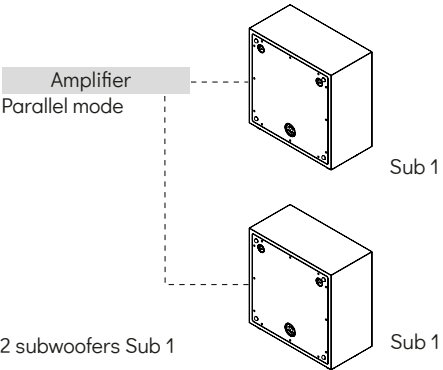
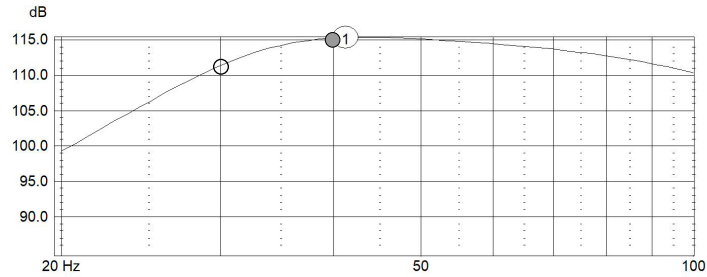
## SUB 1 SMALL ROOM



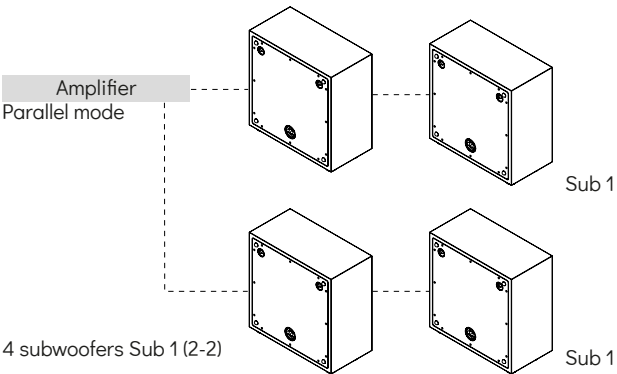
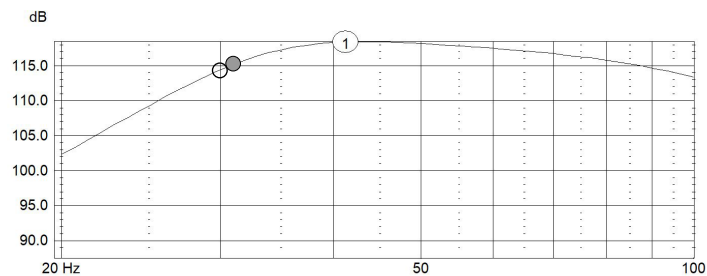
DOLBY ATMOS REFERENCE LEVEL NOT ACHIEVED (-3DB 30HZ)



DOLBY ATMOS REFERENCE LEVEL, ACHIEVED @ 40HZ (-3DB 30HZ)

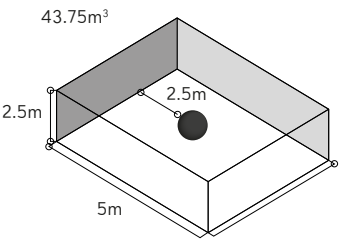


DOLBY ATMOS REFERENCE LEVEL, ACHIEVED @ 32HZ (-3DB 30HZ)

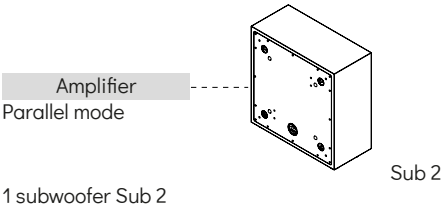
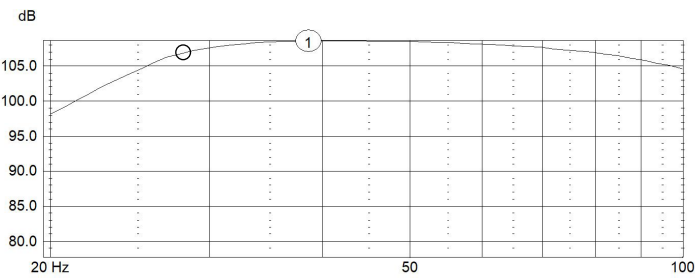


# SUBWOOFER ROOM SIMULATION

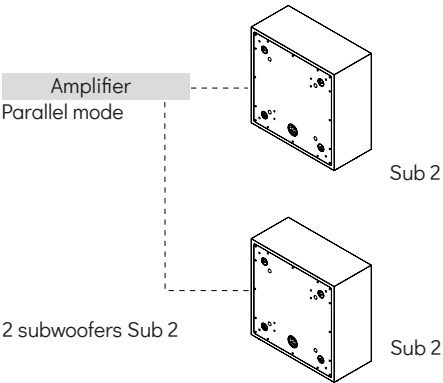
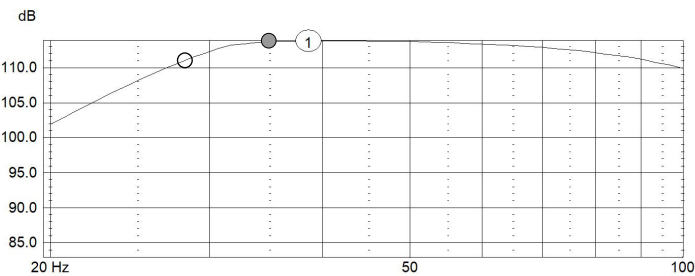
## SUB 2 SMALL ROOM



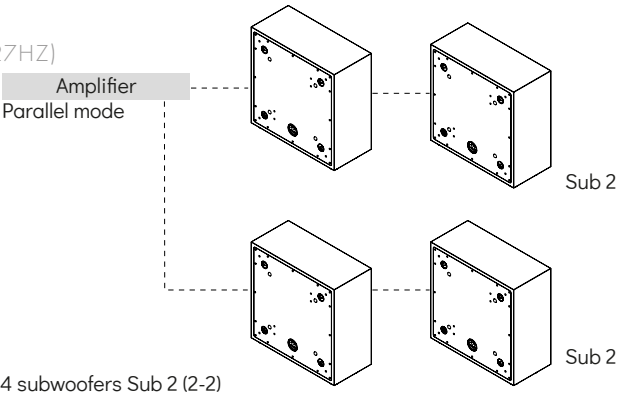
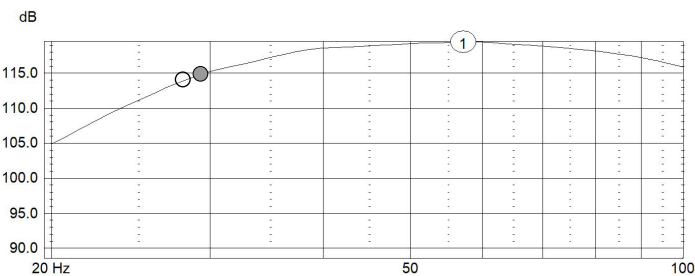
DOLBY ATMOS REFERENCE LEVEL NOT ACHIEVED (-3DB 27HZ)



DOLBY ATMOS REFERENCE LEVEL, ACHIEVED @ 35HZ (-3DB 27HZ)

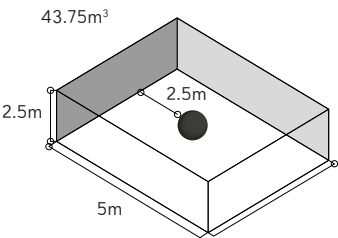


DOLBY ATMOS REFERENCE LEVEL, IN ROOM ACHIEVED @ 29HZ (-3DB 27HZ)

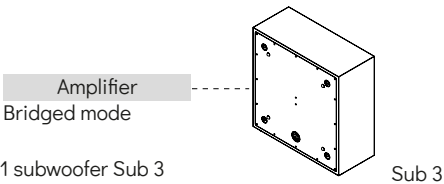
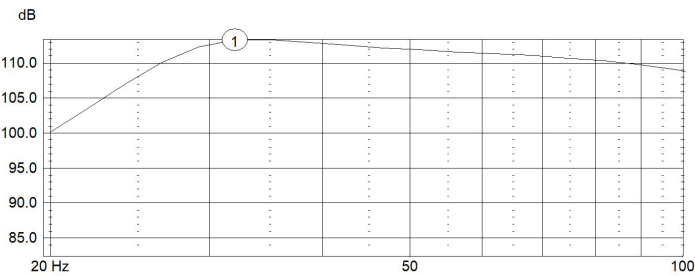


# SUBWOOFER ROOM SIMULATION

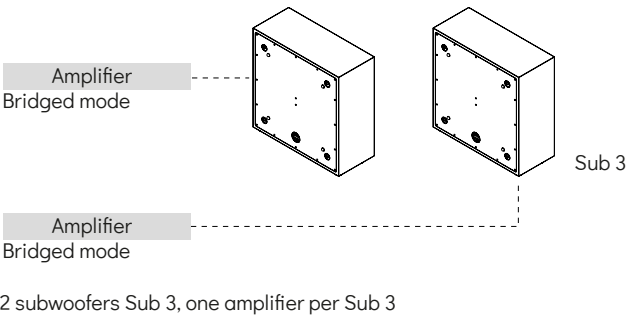
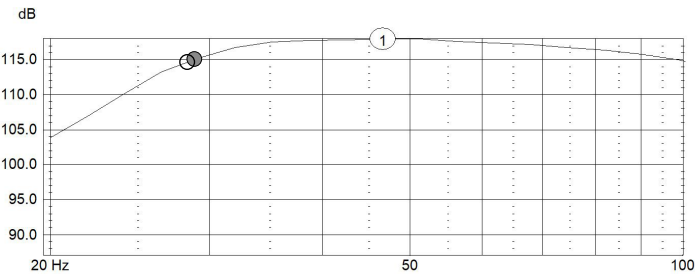
## SUB 3 SMALL ROOM



DOLBY ATMOS REFERENCE LEVEL, ACHIEVED @ 33HZ (-3DB 27HZ)

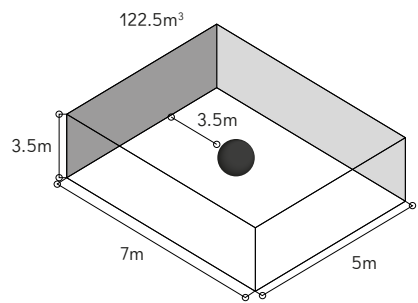


DOLBY ATMOS REFERENCE LEVEL, ACHIEVED @ 28HZ (-3DB 27HZ)

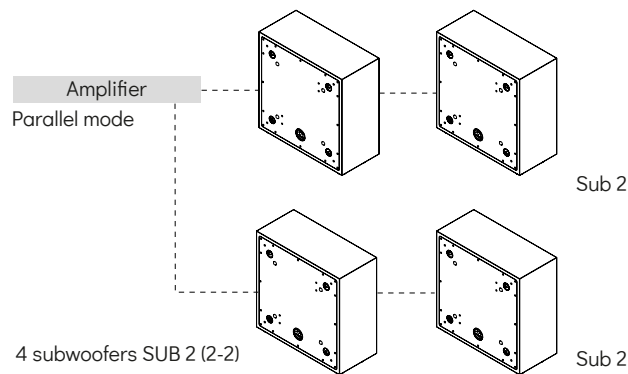
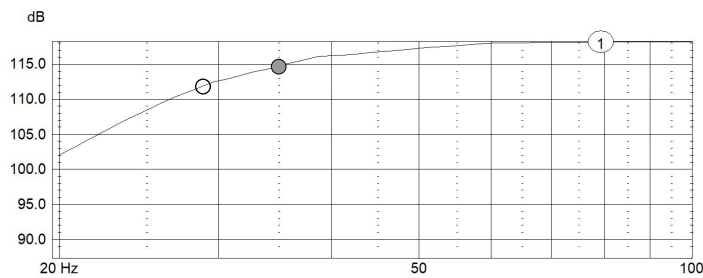


# SUBWOOFER ROOM SIMULATION

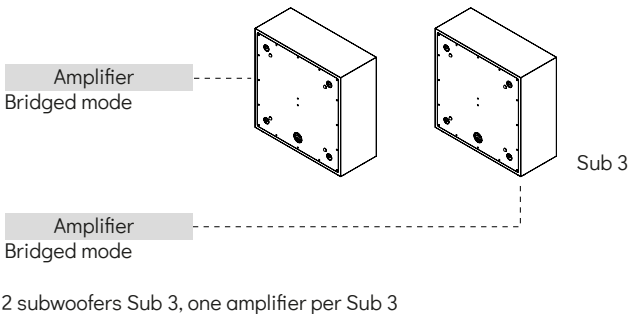
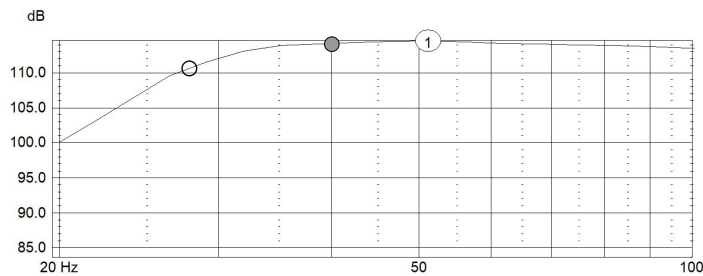
## SUB 2 AND 3 MEDIUM ROOM



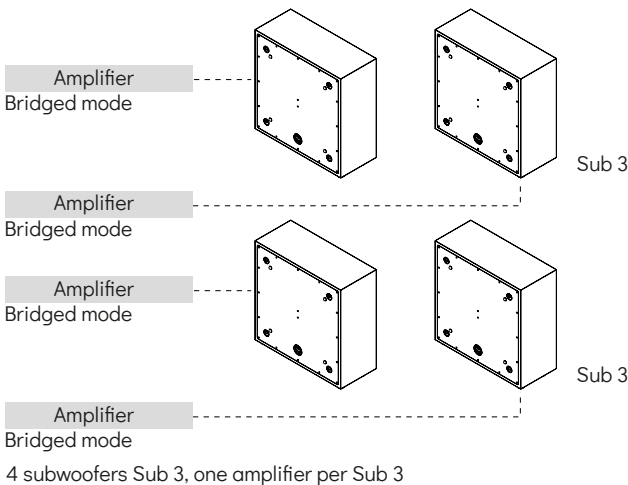
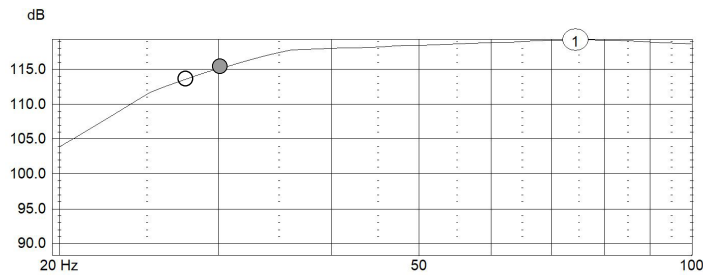
DOLBY ATMOS REFERENCE LEVEL, ACHIEVED @ 35HZ (-3DB 28HZ)



DOLBY ATMOS REFERENCE LEVEL, ACHIEVED @ 35HZ (-3DB 27HZ)

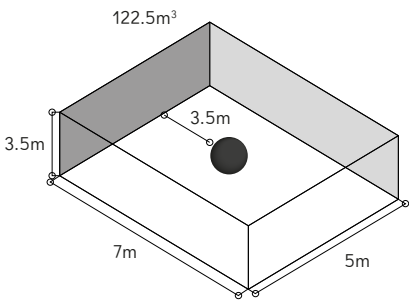


DOLBY ATMOS REFERENCE LEVEL, ACHIEVED @ 30HZ (-3DB 27HZ)

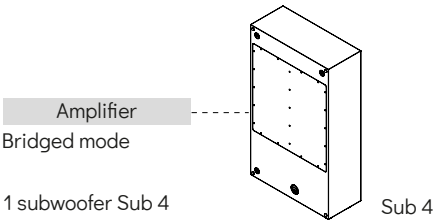
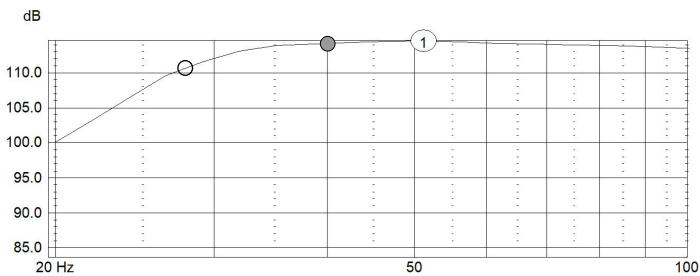


# SUBWOOFER ROOM SIMULATION

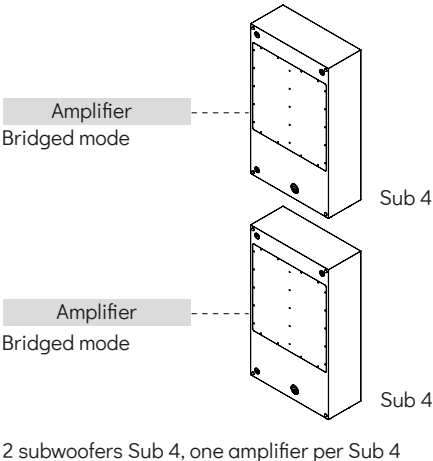
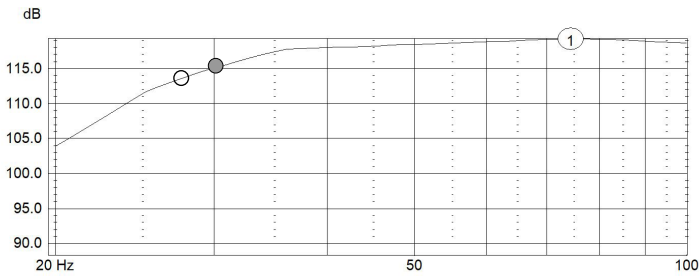
## SUB 4 MEDIUM ROOM



DOLBY ATMOS REFERENCE LEVEL, ACHIEVED @ 35HZ (-3DB 27HZ)

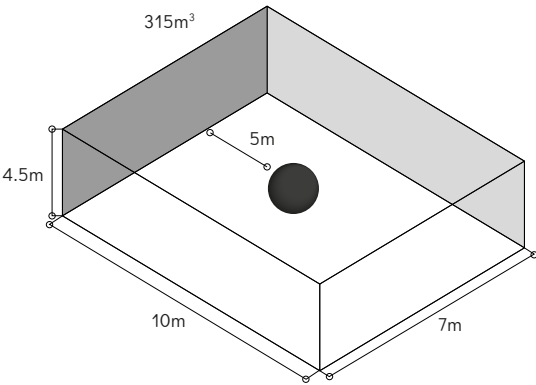


DOLBY ATMOS REFERENCE LEVEL, ACHIEVED @ 30HZ (-3DB 27HZ)

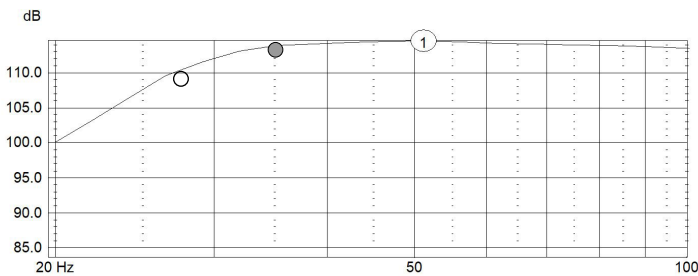


# SUBWOOFER ROOM SIMULATION

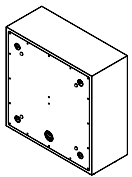
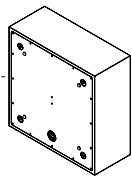
## SUB 3 AND SUB 4 LARGE ROOM



DOLBY ATMOS REFERENCE LEVEL, ACHIEVED @ 35HZ (-3DB 27HZ)

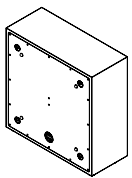
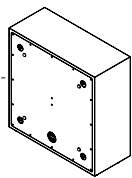


Amplifier  
Bridged mode



Sub 3

Amplifier  
Bridged mode



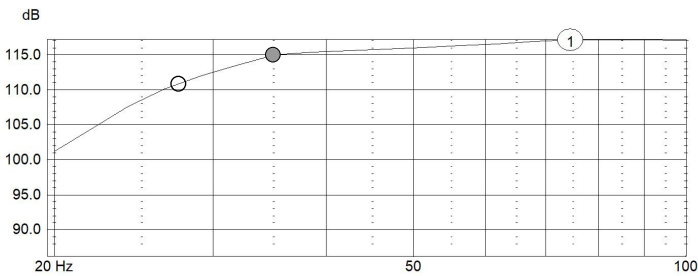
Sub 3

Amplifier  
Bridged mode

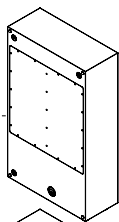
Amplifier  
Bridged mode

4 subwoofers Sub 3, one amplifier per Sub 3

DOLBY ATMOS REFERENCE LEVEL, ACHIEVED @ 35HZ (-3DB 27HZ)

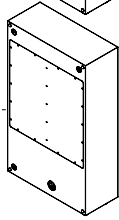


Amplifier  
Bridged mode



Sub 4

Amplifier  
Bridged mode



Sub 4

2 subwoofers Sub 4, one amplifier per Sub 4

# SUBWOOFER PLACEMENT

## IMPORTANCE OF ROOM MODES

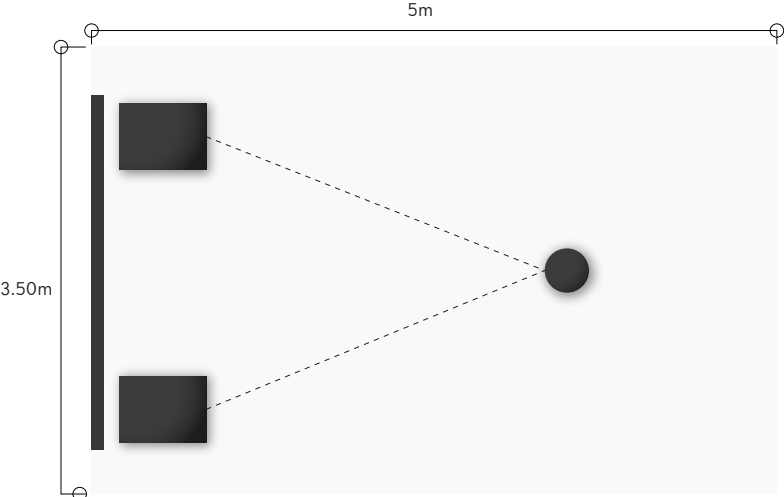


Fig. one sub room placement

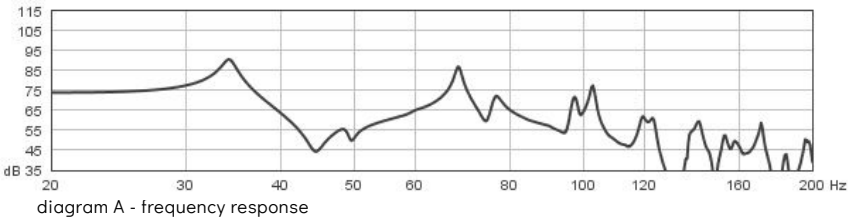


diagram A - frequency response

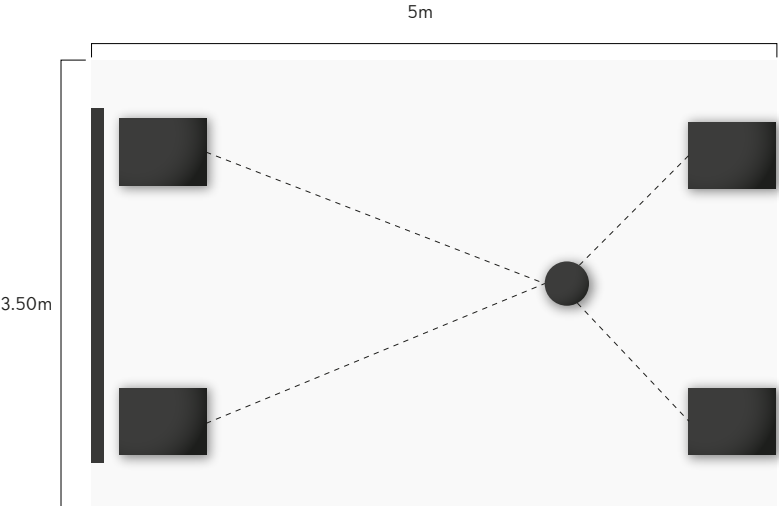


Fig. two sub room placement

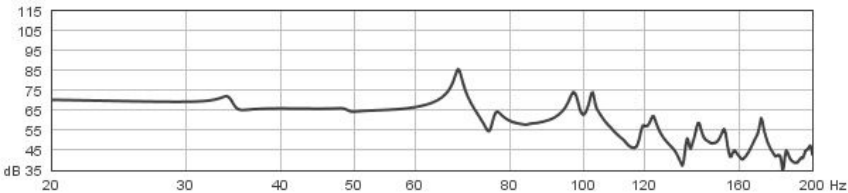


diagram B - frequency response

Diagram A illustrates the same problem, just with multiple units.

Here it can be observed that adding units to same end of room, will only change the overall amplitude, but in no way correcting the room modes causing a dip.

Again Diagram B illustrates how a dip can be eliminated by placing a similar size and output subwoofers in the opposite end of the room.

And again, we strongly recommend using multiple subwoofer units whenever budget and space allow for it.

It is essential to note that it is not always the best solution to have subwoofers at the front and back, though sometimes it is.

It is entirely room dependant, and that is why Artcoustic will help design systems to ensure the correct subwoofer locations are recommended.

# SAFETY INSTRUCTIONS

## SAFETY



Do not use this product near water



Clean rear panel with dry cloth only



Do not block any ventilation opening



Do not install near any heat sources

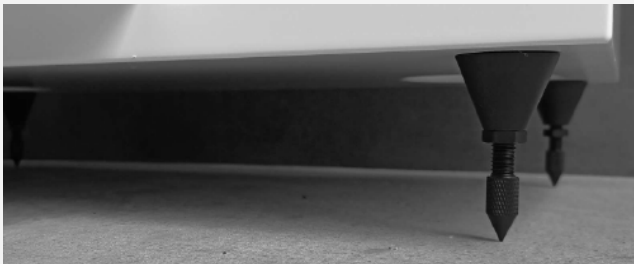


If wall-mounted, ensure the use of matching screws and rawl plugs

Refer all servicing to qualified service personnel. Servicing is required when the product has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the product, the product has been exposed to rain or moisture, does not operate normally or has been dropped.

To completely disconnect unit power from the AC mains, disconnect the unit's power cord from the mains socket.

Note: If the Artcoustic subwoofer is placed on a thick carpet blocking the air outlet, we recommend to use the special Artcoustic carpet spikes. Not included as standard, please order separately.



## WARNING

This product complies with Part 15 of the FCC Rules. Its operation is subject to the following two conditions:

- This product may not cause harmful interference.
- This product must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

To reduce the risk of fire and electric shock do not expose this product to rain or moisture.



Do not place product filled with liquids such as vases on the product.



Do not open product. There are no user-serviceable parts inside.



Always use the power supply shipped with this product. Using a power supply with wrong voltage or polarity, can damage the electronics.





# WARRANTY

## IS APPLICABLE



Is valid only for products purchased from an authorised Artcoustic retailer or dealer.



Is valid from the date of purchase for a period of 3-years for passive loudspeakers, and 2-years for powered loudspeakers and electronics.



Is limited to the repair of the equipment (which could be a repair or replacement at our discretion, neither of which affects your original warranty).



Neither transportation, nor any other costs, nor any risk for removal, transportation and installation of products is covered by this warranty.

## IS NOT APPLICABLE

Will not be applicable in cases other than defects in materials and/or workmanship at the time of purchase and will not be applicable:

- For deterioration of component parts, the nature of which is to become worn or depleted with use, such as batteries.
- For damages caused by incorrect installation, connection or packing.
- For damages caused by accidents, lightning, water, fire heat, war, public disturbances or any other cause beyond the reasonable control of Artcoustic and its appointed distributors.
- For damages caused by any use other than correct use described in the user manual, negligence, modifications, or use of parts that are not made or authorized by Artcoustic

If it is found necessary to return the product for repair, you will be given a form to fill out and return. You should not return the product without previous acceptance. To validate your warranty, you will need to produce the original sales invoice or other proof of ownership and date of purchase.