

Indigo Series

User Guide V1.0



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Version 1.0

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1 Safety and regulations

1.1 Important safety instructions



The lightning flash with an arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Safety instructions - read this first

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat source such as radiators, heat registers, stoves, or other such apparatus that produce heat.
9. Do not defeat the safety purpose of the grounding-type plug. A grounding type plug has two blades and a third grounding prong. The third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect power cords from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit the apparatus.
11. Only use attachments and accessories specified by Void Acoustics.
12. Only use with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug the apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. Since the mains power supply cord attachment plug is used to disconnect the device, the plug should always be easily accessible.
16. Void loudspeakers can produce sound levels capable of causing permanent hearing damage from prolonged exposure. The higher the sound level, the less exposure needed to cause such damage. Avoid prolonged exposure to the high sound levels from the loudspeaker.

1.2 Limitations

This guide is provided to help familiarise the user with the loudspeaker system and its accessories. It is not intended to provide comprehensive electrical, fire, mechanical and noise training and is not a substitute for industry-approved training. Nor does this guide absolve the user of their obligation to comply with all relevant safety legislation and codes of practice.

While every care has been taken in creating this guide, safety is user-dependent and Void Acoustics Research Ltd cannot guarantee complete safety whenever the system is rigged and operated.

1.3 EC declaration of conformity

Manufacturer:

Void Acoustics Research Ltd,
Unit 15 Dawkins Road Ind Est,
Poole, Dorset,
BH15 4JY,
United Kingdom.



We declare under our sole responsibility the following product models: Indigo 6s, Pro and Sub

are intended to be used as loudspeakers and are in conformity with the following EC Directives, including all amendments, and with national legislation implementing these directives:

- BS EN 60065:2002
- BS EN 55103-1/-2

March 2016

Alex Skan
Technical Director

1.4 WEEE directive

If the time arises to throw away your product, please recycle all the components possible.



This symbol indicates that when the end-user wishes to discard this product, it must be sent to separate collection facilities for recovery and recycling. By separating this product from other household-type waste, the volume of waste sent to incinerators or land-fills will be reduced and natural resources will thus be conserved.

The Waste Electrical and Electronic Equipment Directive (WEEE Directive) aims to minimise the impact of electrical and electronic goods on the environment. Void Acoustics Research Ltd complies with the Directive 2002/96/EC and 2003/108/EC of the European Parliament on waste electrical and electronic equipment (WEEE) in order to reduce the amount of WEEE that is being disposed of in land-fill sites. All of our products are marked with the WEEE symbol; this indicates that this product must NOT be disposed of with other waste. Instead it is the user's responsibility to dispose of their waste electrical and electronic equipment by handing it over to an approved reprocessor, or by returning it to Void Acoustics Research Ltd for reprocessing. For more information about where you can send your waste equipment for recycling, please contact Void Acoustics Research Ltd or one of your local distributors.

2 Limited warranty

Limited warranty

The warranty

For a period of three (3) years from the date of delivery to the original purchaser (as shown on the original invoice or sales receipt; a copy of this may be required as proof of warranty dates), Void Acoustics Research Ltd (hereinafter "Void") warrants to the Original Owner (person or company who originally purchased the product brand new from either Void or a Void Authorised Dealer/Distributor) of each new Indigo Series product (provided it was purchased at an Authorised Void Dealer) that it is free of defects in materials and workmanship and that each product will meet or exceed all factory published specifications for each respective model. Void agrees to repair or replace (at its discretion) all defective parts at no charge for labour or materials; subject to following provisions:

Warranty violations

Void shall take no responsibility for repair or replacement as specified under this warranty, if the damaged product has been subject to misuse, accident, neglect or failure to comply with normal maintenance procedures; or if the serial number has been defaced, altered or removed. Nor will Void accept responsibility for, or resulting from, improper alterations or unauthorised parts or repairs. This warranty does not cover any damage to speakers or any other consequential damage resulting from breach of any written or implied warranty.

Void warranty provisions

Void will remedy any defect, regardless of the reason for failure (except as excluded) by repair, or replacement. Void will remedy the defect and ship the product within a reasonable time after receipt of the defective product at a Void Authorised Service Centre.

To obtain warranty service

If a Void product requires service, the Owner must contact Void or an Authorised Void Service Centre to receive an R.A.N. (Return Authorisation Number) and instructions on how to return the product to the Void Authorised Service Centre, or to Void.

Void (or its Authorised Service Centre) will initiate corrective repairs upon receipt of the returned product. Please save the original carton and all the packing materials in case shipping is required. All products being returned to the factory or service centre for repairs must be shipped prepaid.

If the repairs made by Void or the Void Authorised Service Centre are not satisfactory, the Owner is instructed to give written notice to Void. If the defect or malfunction remains after a reasonable number of attempts by Void to remedy the defect or malfunction, the Original Owner shall then have the option to elect either a refund or replacement of said Void product free of charge. The refund shall be an amount equal to but not greater than the actual purchase price, not including any taxes, interest, insurance, closing costs and other finance charges (minus reasonable depreciation on the product). If a refund is necessary, the Original Owner must make the defective or malfunctioning product available to Void free and clear of all liens or other restrictions.

Equipment modifications

Technical and design specifications are subject to change without notice.

Void reserves the right to modify or change equipment (in whole or part) at any time prior to delivery thereof, in order to include therein electrical or mechanical improvements deemed appropriate by Void, but without incurring any liability to modify or change any equipment previously delivered, or to supply new equipment in accordance with any earlier specifications.

Disclaimer of consequential and incidental damages

You, the Original Owner, are not entitled to recover from Void any incidental damages resulting from any defect in the Void product.

This includes any damage to another product or products resulting from such a defect.

Warranty alterations

No person has the authority to enlarge, amend, or modify this Warranty. This Warranty is not extended by the length of time which the Original Owner is deprived of the use of product. Repairs and replacement parts provided pursuant to the Warranty shall carry only the non-expired portion of the Warranty.

This Statement of Warranty supersedes all others contained in this user guide.

3 Unpacking and checking

All Void Acoustics products are carefully manufactured and thoroughly tested before being dispatched. Your dealer will ensure that your Void products are in pristine condition before being forwarded to you but mistakes and accidents can happen.

Before signing for your delivery:

- Inspect your shipment for any signs of contamination, abuse or transit damage as soon as you receive it
- Check your Void Acoustics delivery fully against your order
- If your shipment is incomplete or any of its contents are found to be damaged; inform the shipping company and inform your dealer.

When you are removing your Indigo Series loudspeaker from its original packaging:

- Indigo Series loudspeakers come double boxed and are stapled shut; take care when unpacking and removing the staples to avoid injury or damage to the loudspeaker
- If you need to place the loudspeaker on a flat surface ensure you use a lint free product to protect the finish
- When you have removed the Indigo Series loudspeaker from the packaging inspect it to ensure there is no damage and keep all original packaging in case it needs to be returned for any reason.

See section 2 for warranty conditions and see section 9 if your product needs service.

4 About

4.1 Welcome

Many thanks for purchasing this Void Acoustics Indigo Series loudspeaker. We truly appreciate your support. At Void, we design, manufacture and distribute advanced professional audio systems for the installed and live sound market sectors. Like all Void products, our highly skilled and experienced engineers have successfully combined pioneering technologies with ground-breaking design aesthetics, to bring you superior sound quality and visual innovation. In buying this product, you are now part of the Void family and we hope using it brings you years of satisfaction. This guide will help you both use this product safely and ensure it performs to its full capability.

4.2 Indigo Series overview

The visually stunning Indigo Series combines futuristic looks with esoteric audio performance to bring a newly level of sophistication every venue will want to be seen with. Indigo is the first range of loudspeakers that has been created for the new heightened awareness in style that today's venue designers aspire too. Boundaries are being pushed in all areas of the entertainment industry, with the visual aspect becoming evermore important. Indigo not only fulfills your quest for the ultimate in styling, it will also bring a new level of sonic richness you never thought possible.

5 Specifications and dimensions

5.1 Indigo 6s

5.1.1 Indigo 6s specifications

Frequency response	70 Hz - 23 kHz ± 3 dB
Efficiency ¹	90 dB 1W/1m
Crossover points	3.2 kHz passive
Nominal impedance	8 Ω
Power handling ²	80 W AES
Maximum output ³	108 dB cont, 111 dB peak
Driver configuration	1 x 6.5" LF, 1 x 1" soft dome tweeter
Dispersion	90°H x 90°V
Connectors	Phoenix connector
Height	273 mm (10.7")
Width	209 mm (8.2")
Depth	163 mm (6.4")
Weight	2.2 kg (4.9 lbs)
Enclosure	Fibreglass
Rigging	6s wall bracket (supplied)
Finish	Smooth cellulose or fine textured matt
Grill	Perforated steel with foam filter

¹ Measured in half space ² AES2 - 1984 compliant ³ Calculated

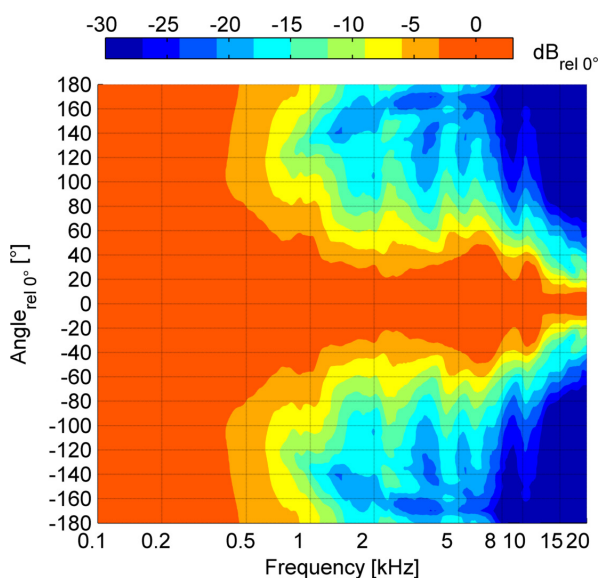


Figure 5.1: Horizontal directivity isobars

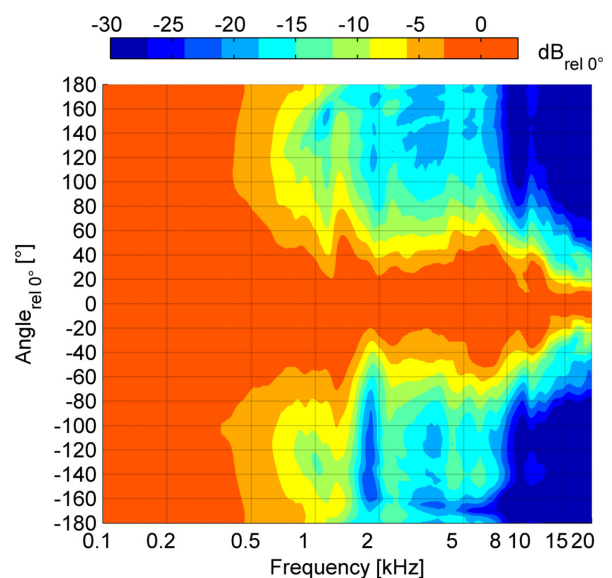


Figure 5.2: Vertical directivity isobars

5 Specifications and dimensions

5.1.2 Key features

- Ultra-modern appearance for style-led environments
- Wide conical 90°H x 90°V dispersion pattern
- Sculpted fibreglass enclosure
- 6.5" low frequency driver
- 1" soft dome high frequency tweeter
- Dedicated wall bracket, optional subwoofer mount bracket
- High gloss metallic or fine textured matt finish

5.1.3 Indigo 6s dimensions

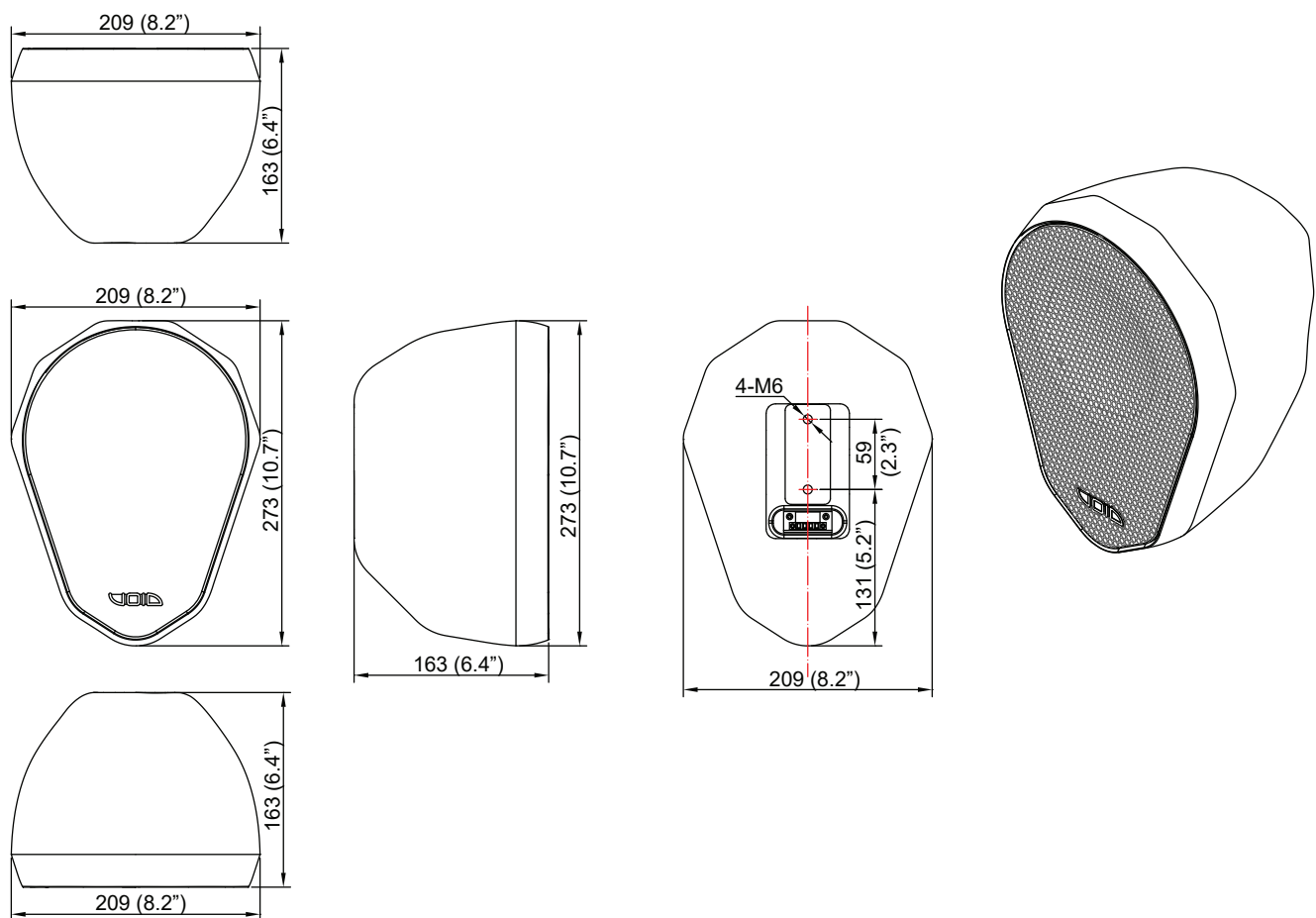


Figure 5.3: Dimensions

5 Specifications and dimensions

5.2 Indigo 6 Pro

5.2.1 Indigo 6 Pro specifications

Frequency Response	68 Hz - 21 kHz ± 3 dB
Efficiency ¹	93 dB 1W/1m
Crossover Points	2.2 kHz passive
Nominal Impedance	8 Ω
Power Handling ²	200 W AES
Maximum Output ³	115 dB cont, 118 dB peak
Driver Configuration	1 x 6.5" LF, 1 x 1" coaxial high frequency compression driver
Dispersion	90°H x 90°V
Protection	HF electronic device
Connectors	Phoenix connector
Height	273 mm (10.7")
Width	209 mm (8.2")
Depth	163 mm (6.4")
Weight	5.2 kg (11.5 lbs)
Enclosure	Fibreglass
Rigging	i6 wall bracket (supplied) i12 bracket to mount Indigo 6s above Indigo 12 (optional)
Finish	Smooth cellulose or fine textured matt
Grill	Perforated steel with foam filter

¹ Measured in half space ² AES2 - 1984 compliant ³ Calculated

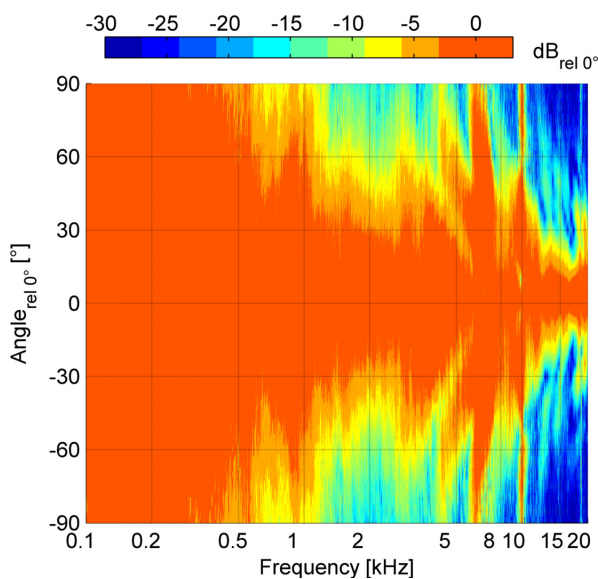


Figure 5.4: Horizontal directivity isobars

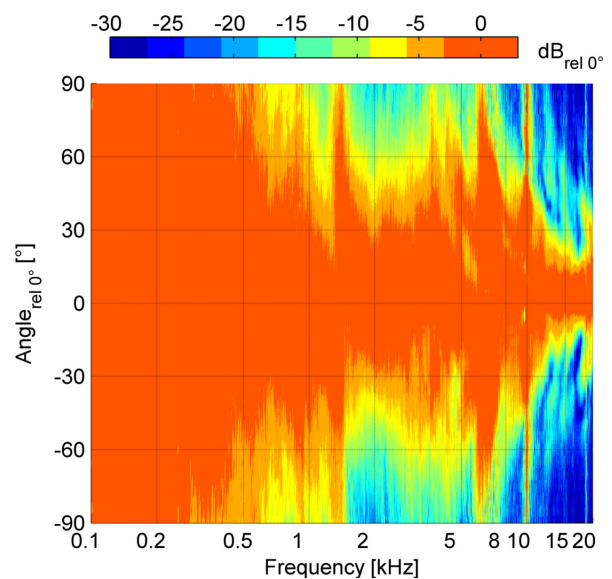


Figure 5.5: Vertical directivity isobars

5 Specifications and dimensions

5.2.2 Key features

- Ultra-modern appearance for style-led environments
- Wide conical 90°H x 90°V dispersion pattern
- Sculpted fibreglass enclosure
- 6.5" low frequency driver
- 1" coaxial high frequency compression driver
- Dedicated wall bracket, optional subwoofer mount bracket
- High gloss metallic or fine textured matt finish

5.2.3 Indigo 6 Pro dimensions

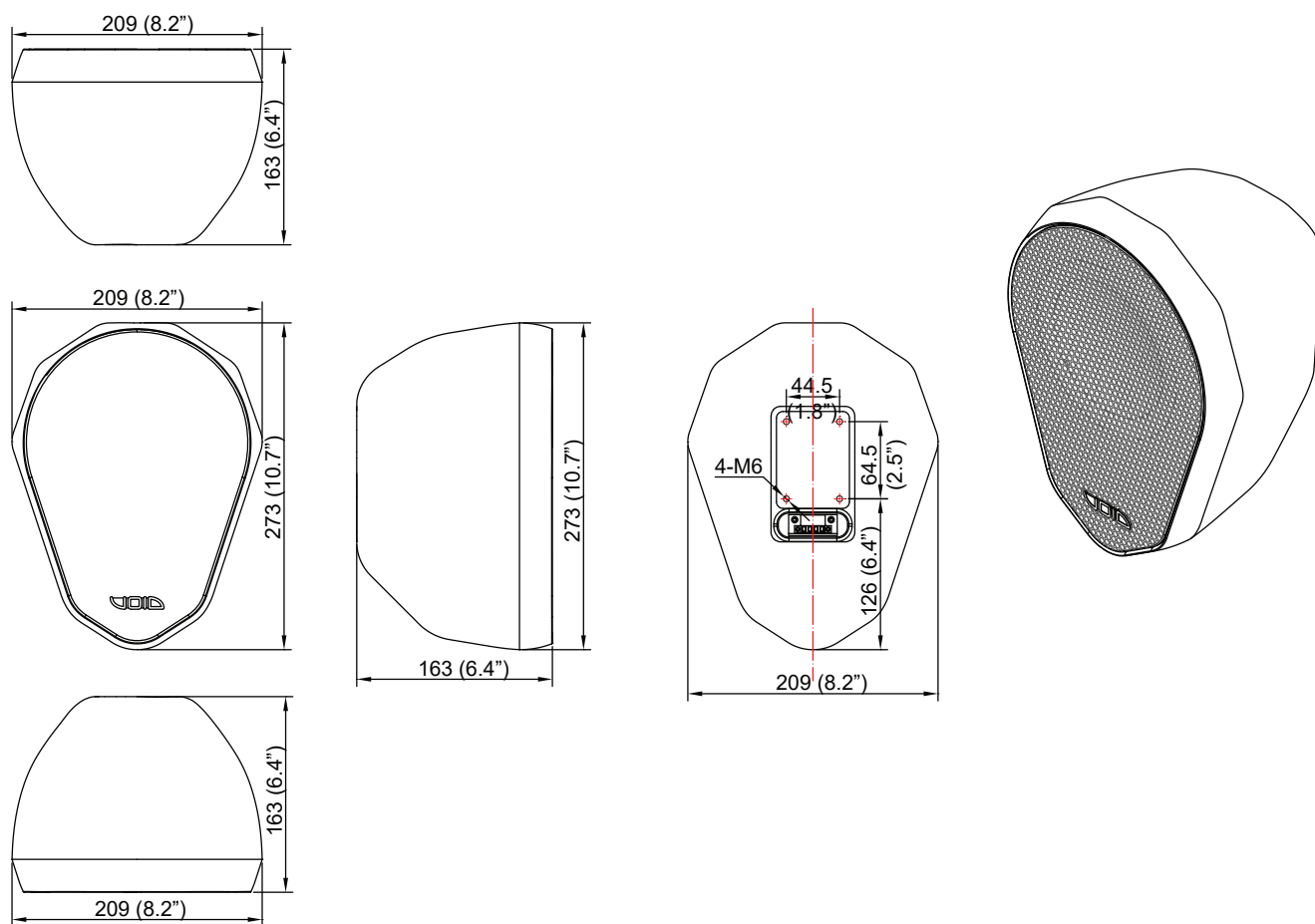


Figure 5.6: Dimensions

5 Specifications and dimensions

5.3 Indigo Sub

5.3.1 Indigo Sub specifications

Frequency Response	40 Hz - 160 Hz ± 3 dB
Efficiency ¹	92 dB 1W/1m
Crossover Points	80 Hz - 160 Hz passive
Nominal Impedance	8 Ω
Power Handling ²	400 W AES
Maximum Output ³	117 dB cont, 123 dB peak
Driver Configuration	1 x 12" LF
Connectors	4 mm binding posts
Height	521 mm (20.5")
Width	395 mm (15.5")
Depth	336 mm (13.2")
Weight	21 kg (46.3 lbs)
Enclosure	Fibreglass
Rigging	i12 bracket to mount Indigo 6s above Indigo 12 (optional)
Finish	Smooth cellulose or fine textured matt
Grill	Perforated steel with foam filter

¹ Measured in half space ² AES2 - 1984 compliant ³ Calculated

5.3.2 Key features

- Ultra-modern appearance for style-led environments
- Sculpted fibreglass enclosure
- 12" low frequency driver
- Optional subwoofer mount bracket
- High gloss metallic or fine textured matt finish

5 Specifications and dimensions

5.3.3 Indigo Sub dimensions

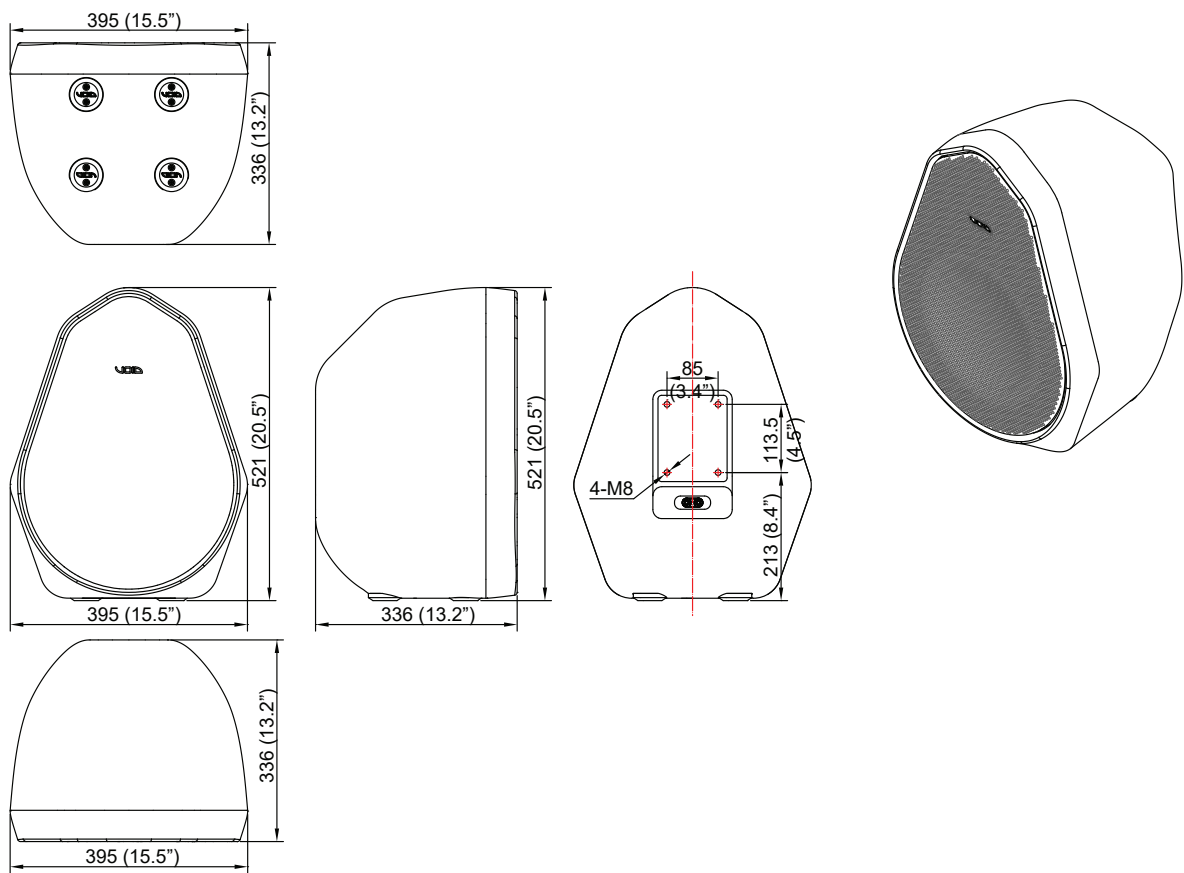


Figure 5.7: Dimensions

5.3.4 Indigo Sub impedance graph

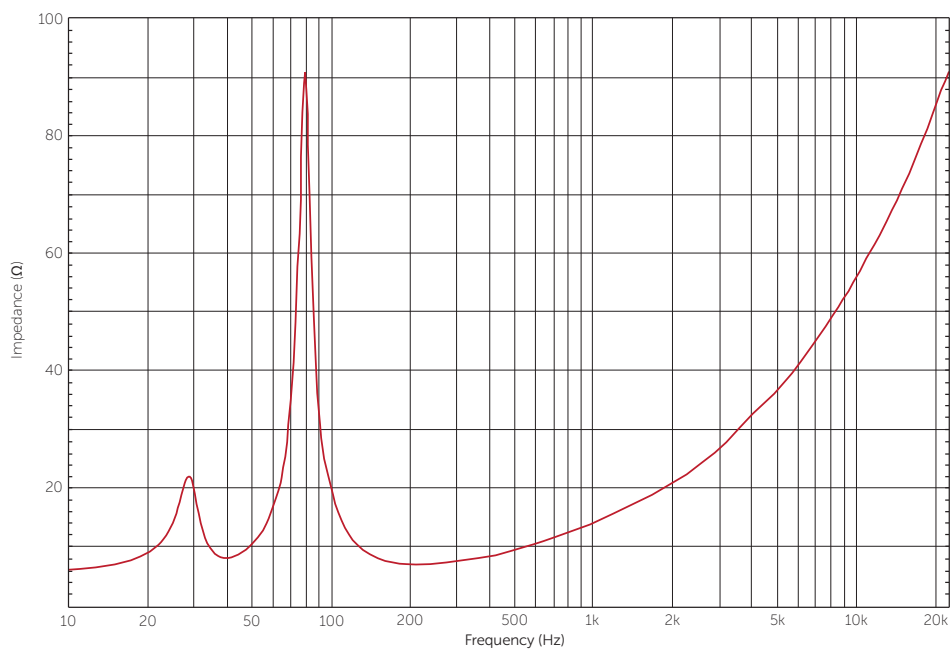


Figure 5.8: Impedance graph

6 Cabling and wiring

6.1 Electrical safety



To avoid electrical hazards please note the following:

- Do not access the inside of any electrical equipment. Refer servicing to Void-approved service agents

6.2 Cable considerations for fixed installations

We recommend specifying installation-grade Low Smoke Zero Halogen (LSZH) cables for permanent installations. The cables should use Oxygen Free Copper (OFC) of grade C11000 or above. Cables for permanent installations should be compliant with the following standards:

- IEC 60332.1 Fire retardancy of a single cable
- IEC 60332.3C Fire retardancy of bunched cables
- IEC 60754.1 Amount of Halogen Gas Emissions
- IEC 60754.2 Degree of acidity of released gases
- IEC 61034.2 Measurement of smoke density

We suggest using the following maximum copper cable lengths to keep level losses below 0.6 dB.

Metric mm ²	Imperial AWG	8 Ω load	4 Ω load	2 Ω load
2.50 mm ²	13 AWG	36 m	18 m	9 m
4.00 mm ²	11 AWG	60 m	30 m	15 m

6.3 Phoenix connector

Figure 6.1 shows the rear panel of a Indigo Series loudspeaker with the polarity of the Phoenix connector labelled. From left to right it is - and + for the feed to the drivers and the - and + for the link/out.

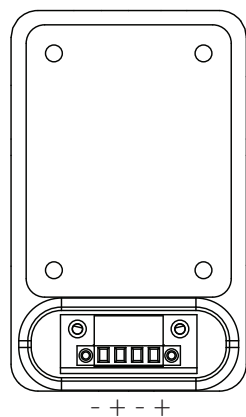


Figure 6.1: Phoenix connector

6 Cabling and wiring

6.4 Indigo 6s/Pro wiring diagram

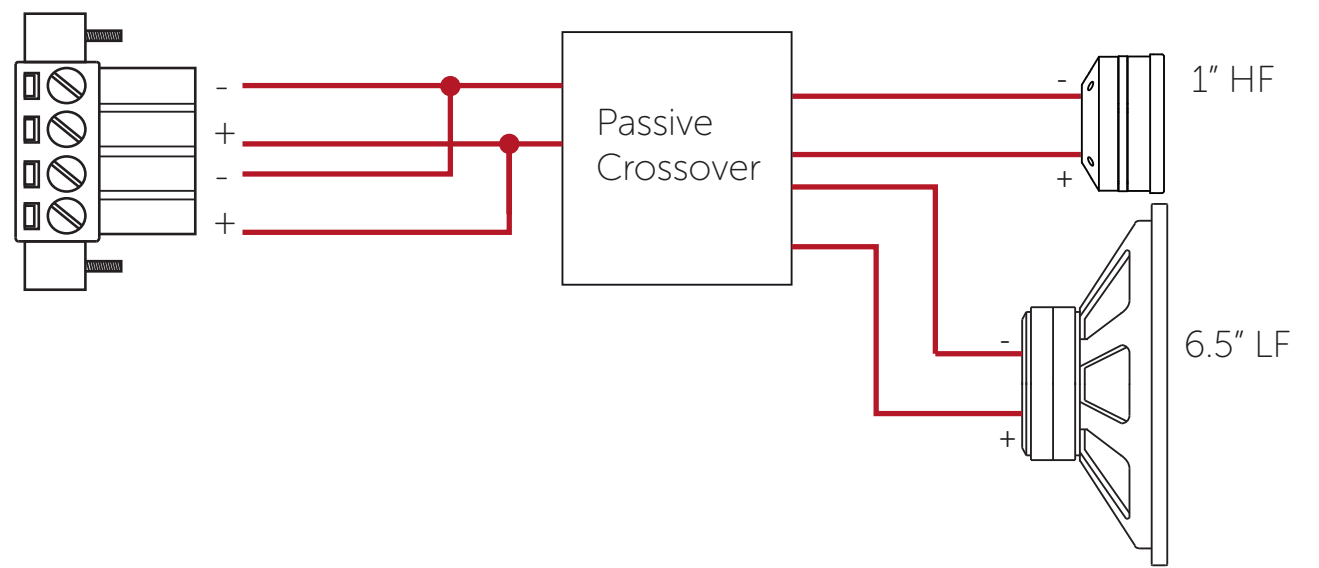


Figure 6.2: Indigo 6s/Pro wiring diagram

	Phoenix pins 1+/1-	Phoenix pins 2+/2-
In	LF (6.5") and HF (1")	Link/out

6.5 Indigo 6s/Pro Bias V3/V9 speakON™ wiring

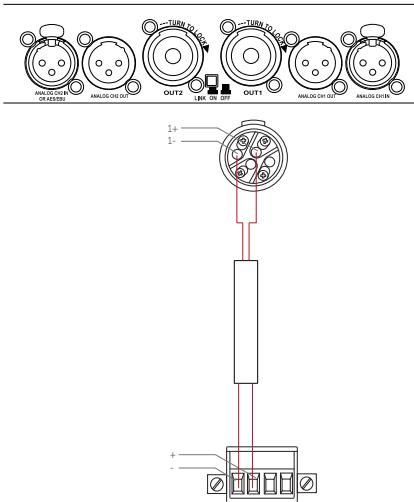


Figure 6.3: Bias V3

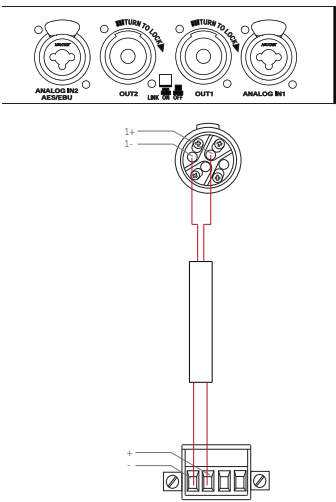


Figure 6.4: Bias V9

Bias V3/V9	Channel 1
Output	LF (6.5") and HF (1")
Max output	4 (2 Ω load to amplifier)

6 Cabling and wiring

6.6 Indigo 6s/Pro Bias VQ speakON™ wiring

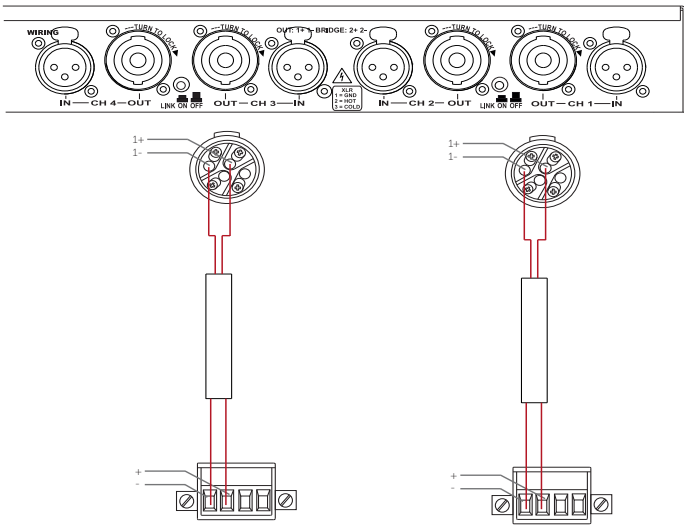


Figure 6.5: Bias VQ

Bias VQ	Channel 1	Channel 3
Output	Left LF (6.5") and HF (1")	Right LF (6.5") and HF (1")
Max quantity per channel	2 (4 Ω load to amplifier)	2 (4 Ω load to amplifier)

6.7 Indigo 6s/Pro Bias D1/Q2 Phoenix wiring

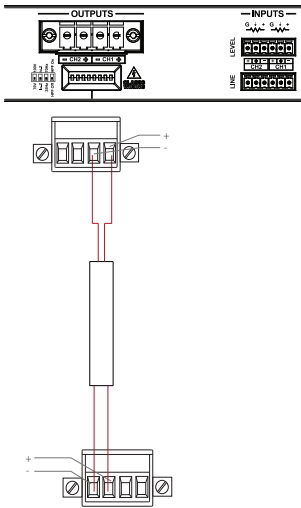


Figure 6.6: Bias D1

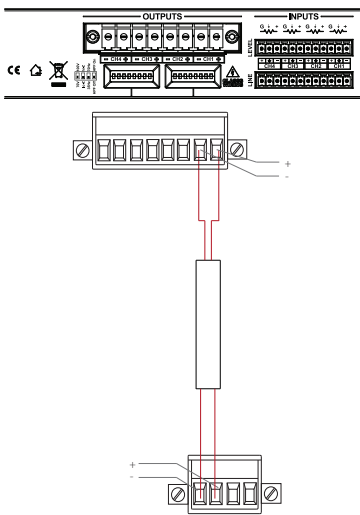


Figure 6.7: Bias Q2

Bias D1/Q2	Channel 1
Output	LF (6.5") and HF (1")
Max output	4 (2 Ω load to amplifier)

6 Cabling and wiring

6.8 Indigo 6s/Pro Bias Q5 speakON™ wiring

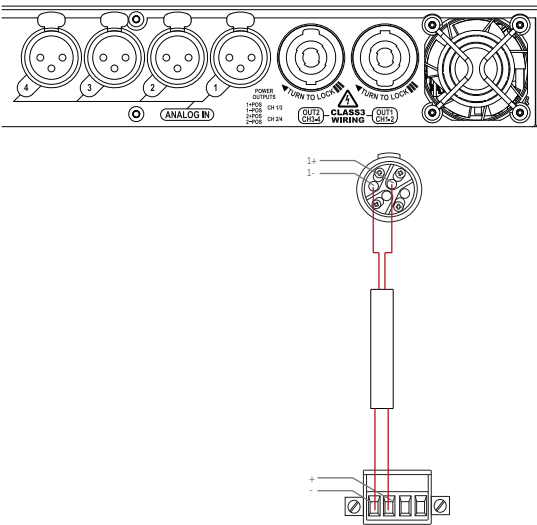


Figure 6.8: Bias Q5

Bias Q5	Channel 1
Output	Left LF (6.5") and HF (1")
Max quantity per channel	4 (2 Ω load to amplifier)

6.9 Indigo Sub wiring diagram

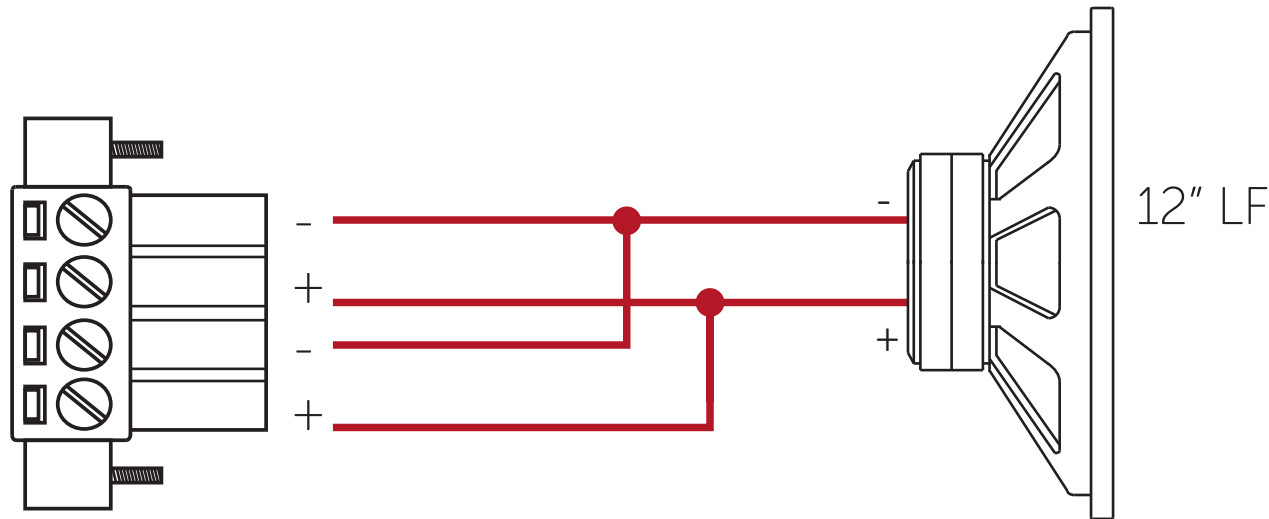


Figure 6.9: Indigo Sub wiring diagram

	Phoenix pins 1+/1-	Phoenix pins 2+/2-
In	LF (12")	Link/out

6 Cabling and wiring

6.10 Indigo Sub Bias V3/V9 speakON™ wiring

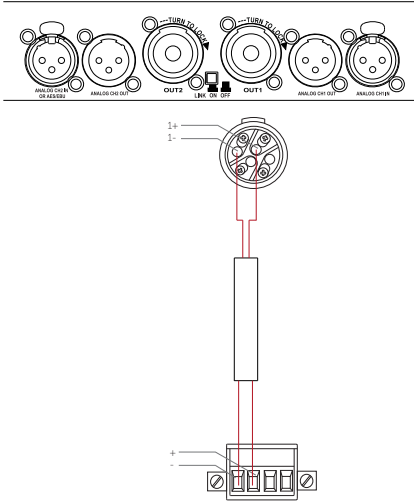


Figure 6.10: Bias V3

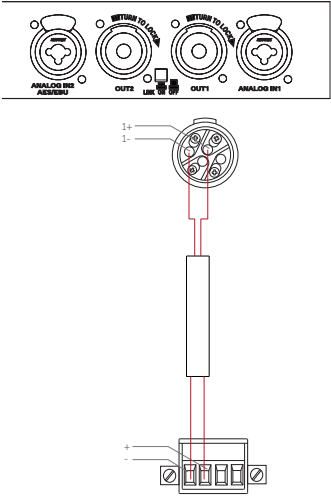


Figure 6.11: Bias V9

Bias V3/V9	Channel 1
Output	LF (12")
Max output	4 (2 Ω load to amplifier)

6.11 Indigo Sub Bias VQ speakON™ wiring

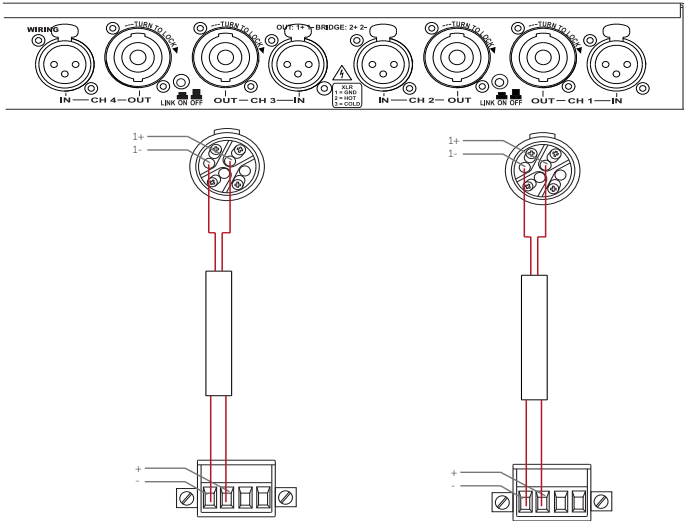


Figure 6.12: Bias VQ

Bias VQ	Channel 1	Channel 3
Output	Left LF (12")	Right LF (12")
Max quantity per channel	2 (4 Ω load to amplifier)	2 (4 Ω load to amplifier)

6 Cabling and wiring

6.12 Indigo Sub Bias D1/Q2 Phoenix wiring

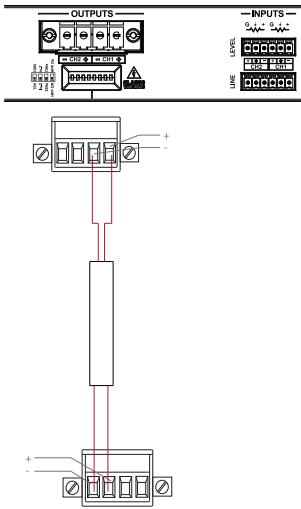


Figure 6.13: Bias D1

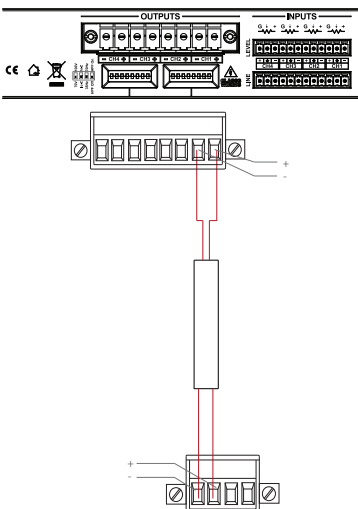


Figure 6.14: Bias Q2

Bias D1/Q2	Channel 1
Output	LF (12")
Max output	4 (2 Ω load to amplifier)

6.13 Indigo Sub Bias Q5 speakON™ wiring

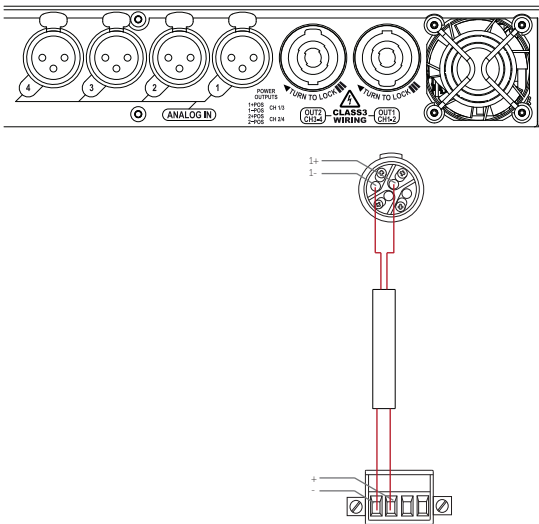


Figure 6.8: Bias Q5

Bias Q5	Channel 1
Output	Left LF (12")
Max quantity per channel	4 (2 Ω load to amplifier)

7 System design

7.1 System design principles

Indigo 6s/Pro loudspeakers can be arrayed as a single pair facing forward to provide a wide stereo image.

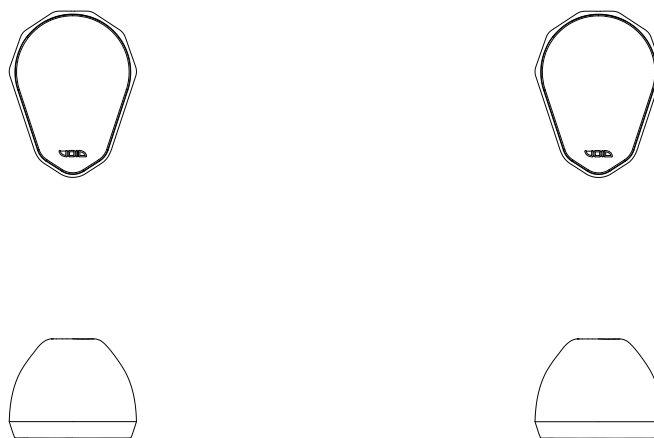


Figure 7.1: Indigo 6s/Pro loudspeakers single pair arrangement

For applications requiring wide horizontal coverage, use two Indigo 6s/Pro loudspeakers in pairs, angled at about 40°.

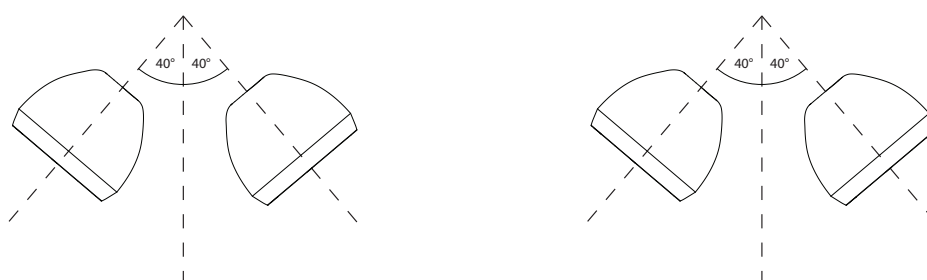


Figure 7.2: Indigo 6s/Pro loudspeaker dual pair arrangement

For permanent installation, it is recommended to fly Indigo 6s/Pro for more even coverage. This also allows co-located low frequency enclosures in a single block, increasing sensitivity and providing more consistent bass coverage.

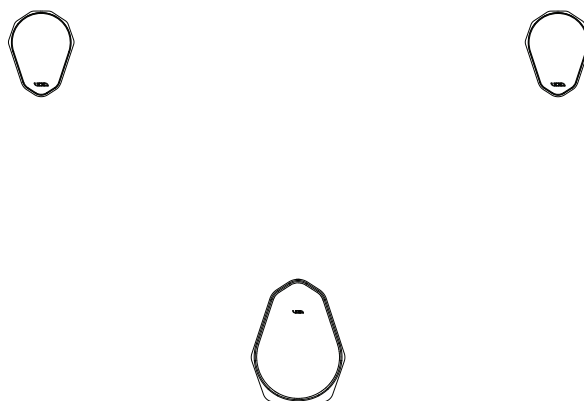


Figure 7.3: Indigo 6s/Pro permanent installation

7 System design

7.2 Loudspeaker placement and positioning

When deploying Indigo 6s/Pro, it is important to consider the speakers' vertical position to maximise coverage in the vertical axis. Horizontal loudspeaker dispersion figures dictate the coverage of the loudspeaker, left to right, to the -3 dB points. The same can be said for the vertical dispersion figure, but when applied to a listening area, this figure dictates the audience area coverage front to back.

Vertical dispersion is often overlooked or not assessed properly, resulting in inefficiently deployed loudspeaker systems that require more fill loudspeakers than are necessary to achieve required coverage. Following are some basic guidelines when considering the vertical position of your Indigo 6s/Pro loudspeaker.

With optimum vertical positioning and aiming applied the loudspeaker system can be used at maximum efficiency.

With a point source loudspeaker in this configuration the speaker is placed 2m-4m from the ground, aimed half way to two thirds of the way back from the audience area, as shown in figure 7.5. The applied aiming reduces unwanted reflections from the ceiling and directs the highest energy concentration to the audience area requiring it most. This is the most desirable position for the loudspeakers in this example.

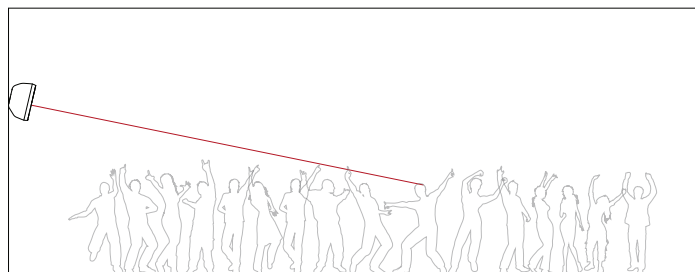


Figure 7.5: Correct loudspeaker placement



A multi-point loudspeaker system in a club/bar environment can be very pleasing for the listener. However, it's important that the processes applied to previous examples are still implemented. In figure 7.6 you can see the loudspeakers have been positioned and aimed optimally. When deploying a multi-point loudspeaker system, extra consideration must be taken to counter unwanted room effects. Careful positioning and aiming of loudspeakers will minimise room effects, while maintaining even coverage throughout the audience area.

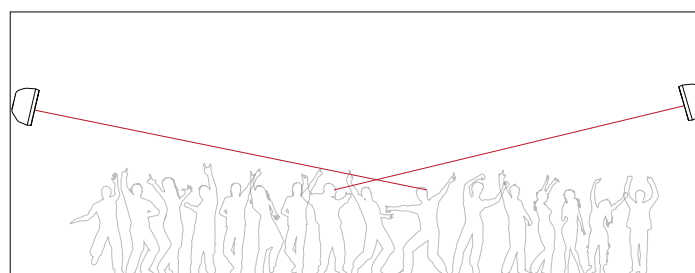


Figure 7.6: Multi point loudspeaker arrangement

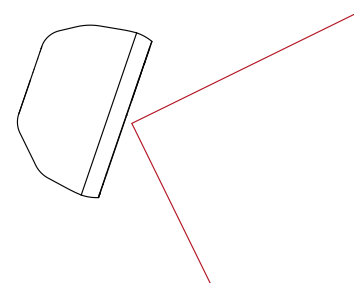


Figure 7.4a: Vertical dispersion (side view)

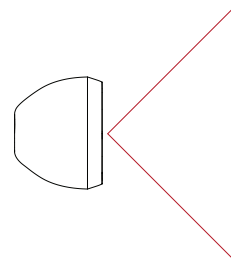


Figure 7.4b: Horizontal dispersion (top view)

7 System design

In the horizontal plane rotate the Indigo 6s/Pro loudspeakers toward the audience area at an angle such that the centre line of the dispersion from each loudspeaker meets about two thirds of the way towards the rear of the audience area. This will help provide a wider coverage and result in more of the power being used usefully.

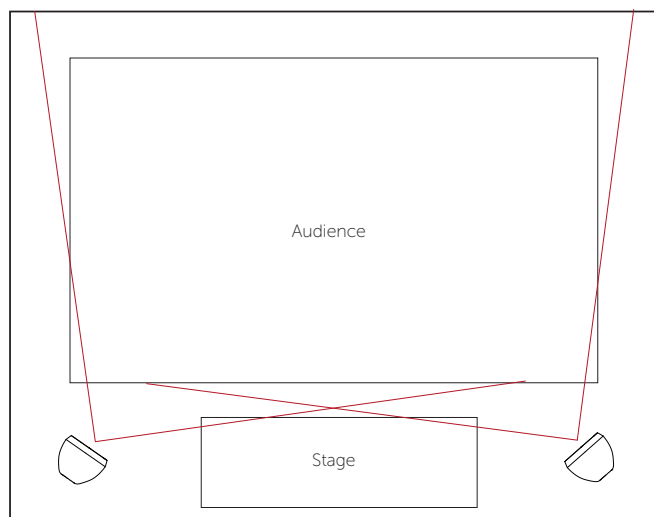


Figure 7.7: Correct horizontal dispersion

Avoid directing the Indigo 6s/Pro loudspeaker straight forward. This will result in a proportion of the power being directed towards the walls, creating possible reflective issues, as well as causing a gap in coverage at the centre of the audience area.

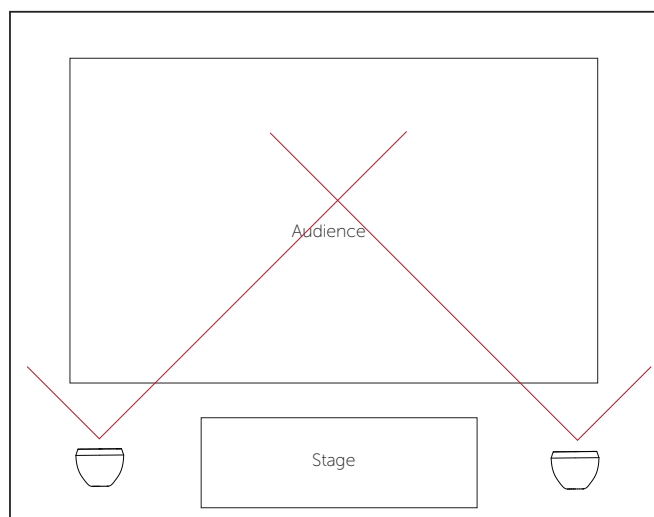


Figure 7.8: Incorrect horizontal dispersion

7 System design

In figure 7.9 the loudspeakers vertical positioning is too low for the audience area. Mid and high range frequencies are absorbed by the first two rows of people, resulting in poor coverage and potential acoustic issues from room reflections.

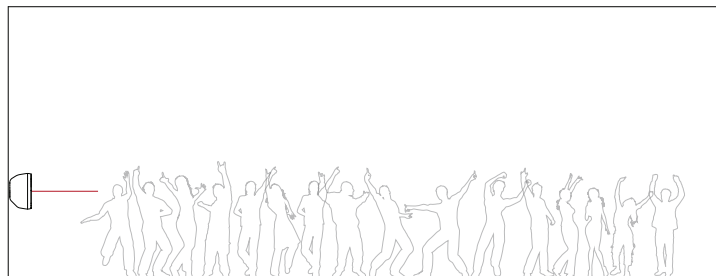


Figure 7.9: Incorrect loudspeaker placement



Figure 7.10 shows the loudspeaker vertical position is optimal for the audience area but the user hasn't applied an aiming angle. In this case, a large portion of energy is directed at the ceiling that could result in reduced intelligibility and unwanted room acoustic characteristics. The shallow angle of attack will also induce refraction issues on a hot dance floor, leading to reduced HF penetration at mid and far distances, again reducing intelligibility and coherence.

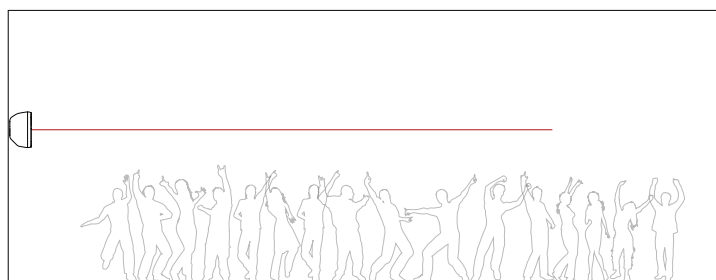


Figure 7.10: Incorrect loudspeaker placement



7 System design

7.3 Bass alignment - delay times



Note: All information given here is a guide and not a rule. Taking measurement on site and using your ear are still the most reliable way to achieve the best results.

When designing loudspeakers and low frequency enclosures layout within a space it is often necessary to apply delay to optimise system performance. In figure 7.11 we have a room with four Indigo loudspeakers and single low frequency enclosure.

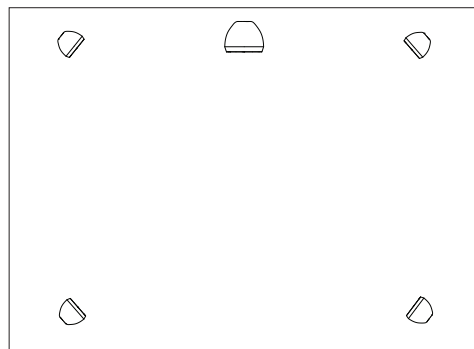


Figure 7.11: Loudspeaker layout

All four loudspeakers sit on a circle of radius R with its centre point at O . The low frequency enclosure is situated at a distance A from the origin and a distance B from the circumference of the circle. The distance B will determine the delay required for the low frequency enclosure of 2.9 ms per metre. So, in this example, if the distance B is 2 m the a delay of 5.8 ms would be required.

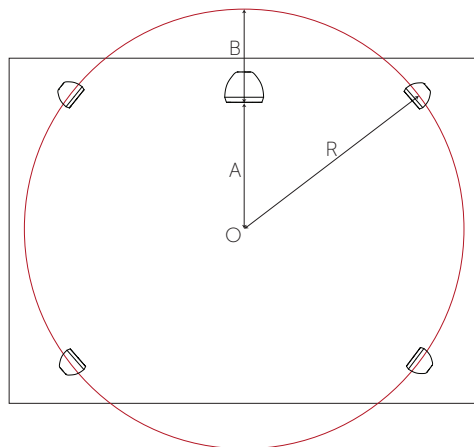


Figure 7.12: Bass alignment example 1

Figure 7.13 shows a second low frequency enclosure added. Here we are looking to create a secondary focal point at E . To calculate our delay time we take distance D , which is point E to the south edge of the circle, away from A , which is E to the north edge of the circle, and multiply by the delay time per metre. Or:

$$(A - D) \times 2.9 \text{ ms/m} = \text{delay time.}$$

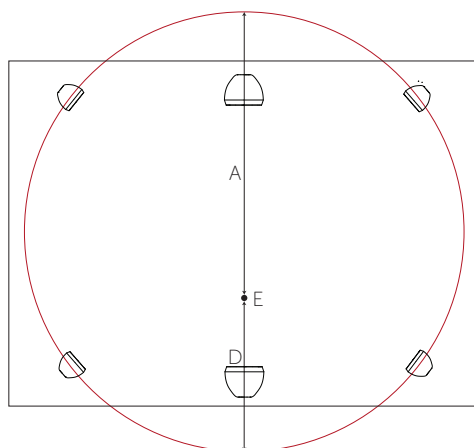


Figure 7.13: Bass alignment example 2

8 Mounting

8.1 Installation safety



To avoid mechanical hazards, please note the following:

- Safety regulations vary in different regions. Full compliance with those regulations must be your priority
- Rigging must only be undertaken by fully-qualified and experienced riggers who understand local regulations
- This may include consulting a structural engineer before installation of wall brackets
- Remember that all personnel have a duty of care to themselves, to their assistants, to the venue staff and to the public
- Before lifting any part of the system above head height, check the whole rig for loose tools or other items that may fall and cause injury
- Do not use a telephone (even if hands-free) while rigging. Always concentrate fully on the rigging operation
- Do not rig equipment that is worn, damaged, corroded, mishandled or over-stressed in any way
- Use only Void-approved mounting equipment and accessories

8.2 Indigo 6s mounting

Part required:

- Indigo 6s Bracket
- 4 mm Allen key

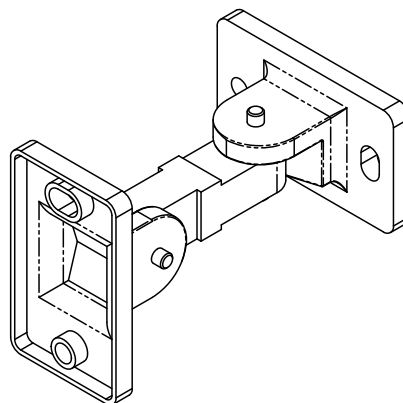


Figure 8.1: Indigo 6s bracket

Step 1:
Remove both M6 bolts.

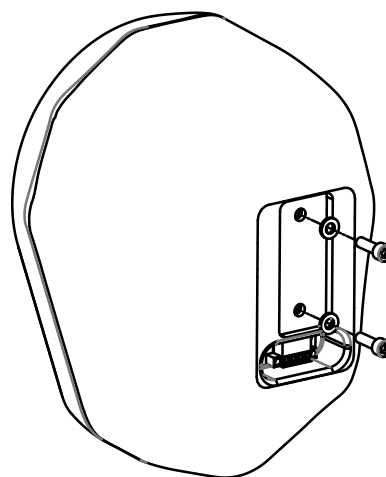


Figure 8.2: Bolt removal

Step 2:
Line up the bracket and fix both M6 bolts.

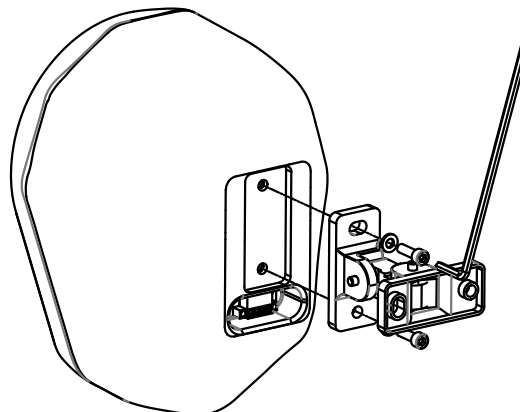


Figure 8.3: Bracket fixing

8.2 Indigo 6s mounting

Step 3:

Adjust the bracket to the required orientation using the bolts and the bracket assembly.

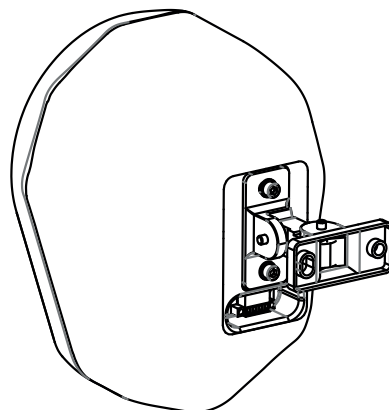


Figure 8.4: Bolt removal

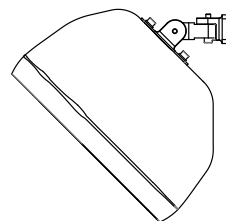


Figure 8.5a: Wall mounting

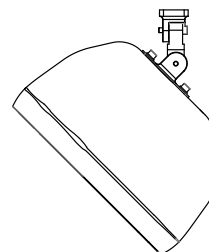


Figure 8.5b: Ceiling mounting

8.3 Indigo Sub and 6 Pro mounting

Part required:

- Indigo Sub Bracket
- 4 mm Allen key
- 5 mm Allen key

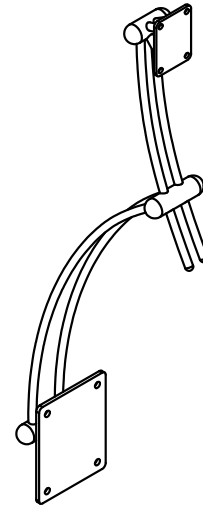


Figure 8.6: Indigo Sub bracket

Step 1:

Site the Indigo Sub in the desired location and remove all four M8 bolts from the rear.

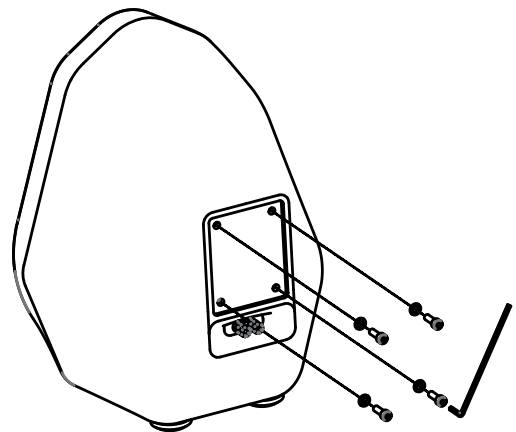


Figure 8.7: Bolt removal

Step 2:

Line up the bracket and fix all four M8 bolts.

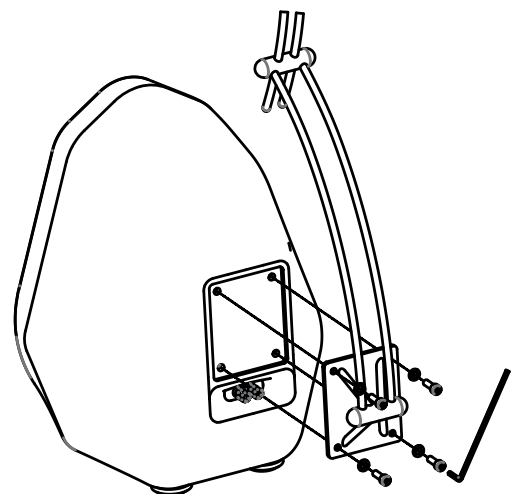


Figure 8.8: Bracket fixing to Indigo Sub

8.3 Indigo Sub and 6 Pro mounting

Step 3:

Remove all four M6 bolts from the rear of the Indigo 6 Pro.

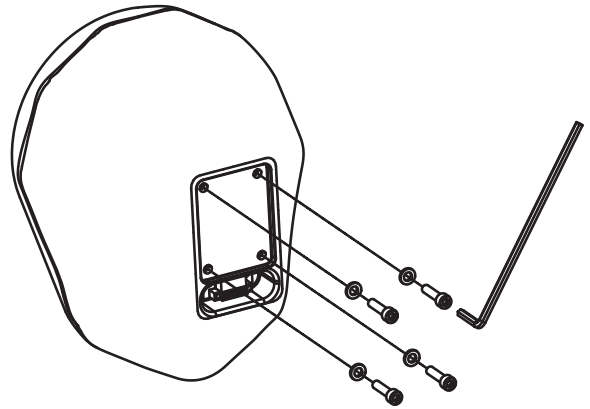


Figure 8.9: Bolt removal

Step 4:

Line up the Indigo 6 Pro with the Indigo Sub bracket and reattach all four M6 bolts.

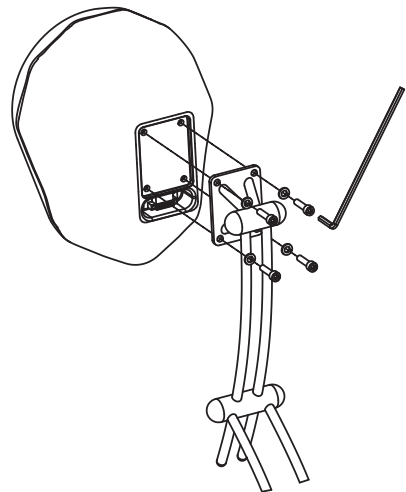


Figure 8.10: Indigo 6 Pro mounting

Step 5:

Ensure all bolts are firmly tightened.

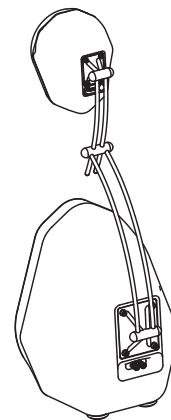


Figure 8.11: Final tightening

8.3 Indigo 6 Pro mounting

Part required:

- Indigo 6 Pro bracket (supplied)
- 4 mm Allen key
- 10 mm spanner/wrench

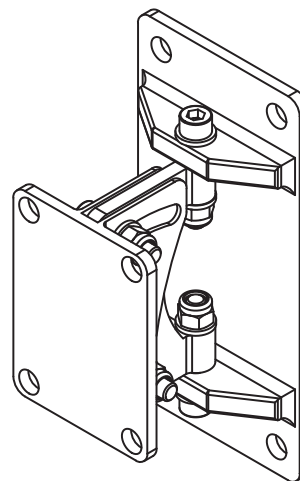


Figure 8.12: Indigo 6 Pro bracket

Step 1:
Remove both M6 bolts from the brackets assembly.

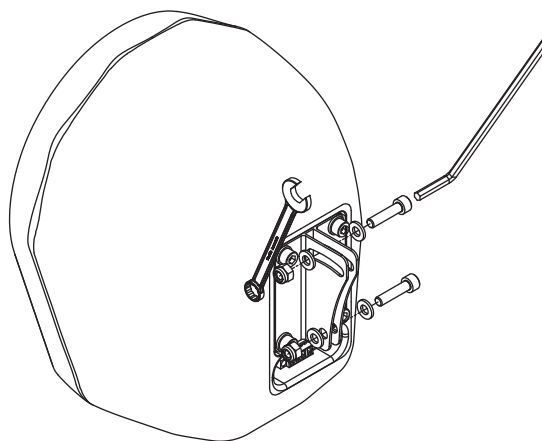


Figure 8.13: Bolt removal

Step 2:
Attach the rear of the bracket assembly to the wall.



All four bolts must be fitted when securing the bracket to the wall. Take care when mounting the bracket to the wall, making sure to use the correct fixing and that the wall can take the load, for example do not attach the bracket to a stud wall.

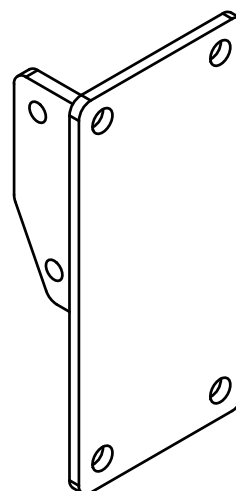


Figure 8.14: Rear bracket assembly

8.3 Indigo 6 Pro mounting

Step 3:

Line the rear bracket assembly with the fixings and reattach the bolts but do not tighten.

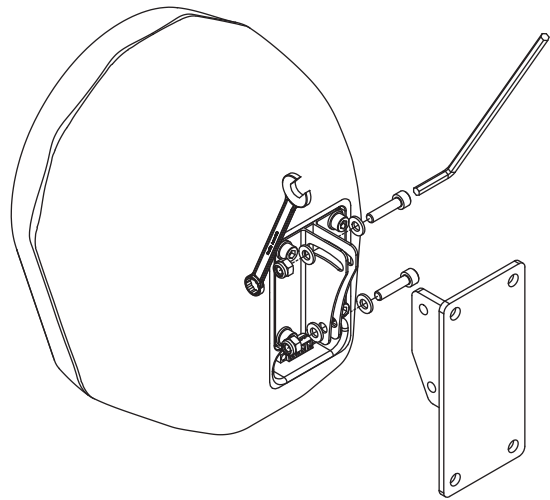


Figure 8.15: Mounting the loudspeaker

Step 4:

Adjust the vertical angle of the bracket and then tighten the bolts.

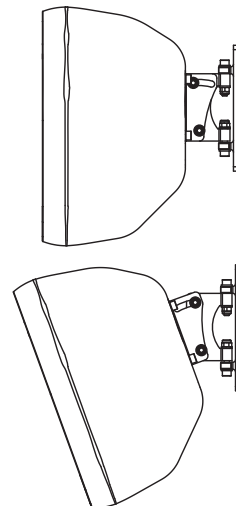


Figure 8.16: Adjusting the vertical angle

Step 5:

Adjust the horizontal angle of the bracket and then tighten the bolts.

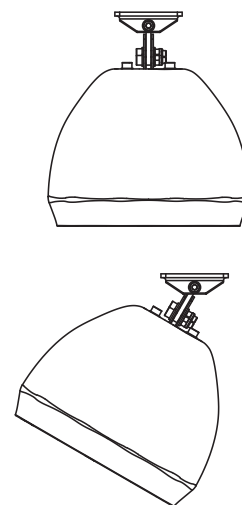


Figure 8.17: Adjusting the horizontal angle

9 Service

Void Indigo series loudspeakers should only be serviced by a fully trained technician.



No user serviceable parts inside. Refer servicing to your dealer.

9.1 Return authorisation

Before returning your faulty product for repair, please remember to get an R.A.N. (Return Authorisation Number) from the Void dealer who supplied the system to you. Your dealer will handle the necessary paperwork and repair. Failure to go through this return authorisation procedure could delay the repair of your product.

Note that your dealer will need to see a copy of your sales receipt as proof of purchase so please have this to hand when applying for return authorisation.

9.2 Shipping and packing considerations

- When sending a Void Indigo series loudspeaker to an authorised service centre, please write a detailed description of the fault and list any other equipment used in conjunction with the faulty product
- Accessories will not be required. Do not send the instruction manual, cables or any other hardware unless your dealer asks you to
- Pack your unit in the original factory packaging if possible. Include a note of the fault description with the product. Do not send it separately
- Ensure safe transportation of your unit to the authorised service centre.

10 Appendix

Indigo 6 Pro architectural specification

The loudspeaker shall be a passive two-way system consisting of one high power 6.5" (125 mm) direct radiating, reflex loaded, low frequency (LF) transducer and 1" (25 mm) diameter co-axially-mounted neodymium high frequency (HF) compression driver transducer mounted in a fibreglass enclosure with smooth cellulose finish.

The co-axial transducer shall be constructed on a cast aluminium frame with the low frequency transducer consisting of a polycarbonate LF cone with its dust cap removed with a 25.4 mm (1.5") voice coil, wound with copper wire on a high quality voice coil former, for high power handling and long-term reliability. The high frequency transducer shall be bolted through the rear of the magnet structure belonging to the LF transducer to form a co-axial drive unit. The sound will project through a machined waveguide that exits in the centre of the low frequency transducer to use the 166 mm (6.5") baffle diameter to achieve pattern control and low distortion.

Performance specifications for a typical production unit shall be as follows: the usable on-axis bandwidth shall be 68 Hz to 21 kHz (± 3 dB) and shall average 90° directivity pattern for both horizontal and vertical axis (-6 dB down from on-axis level) from 1 kHz to 12 kHz. Maximum SPL shall be 118 dB peak measured at 1 m using IEC268-5 pink noise. Power handling shall be 200 W AES at a rated impedance of 8 Ω . Crossover point shall be at 2.2 kHz using a 4th order filter (24 dB per octave). The system shall be powered by its own dedicated power amplification module with DSP management.

The wiring connection shall be via a single removable, lockable wiring connector with four screw-down terminals (one pair for input and one pair for loop-out to another loudspeaker) to provide secure wiring and allow for pre-wiring of the connector before the installation. This connector should then screw lock to the enclosure to ensure secure attachment.

The enclosure shall be of a moulded fibreglass reinforced plastic construction with a smooth cellulose finish and shall include integral threaded inserts for the fitment of wall and ceiling mounting hardware of any RAL colour with external dimensions of (W) 273 mm x (H) 209 mm x (D) 163 mm (10.7" x 8.2" x 6.4"). Weight shall be 5.2 kg (11.5 lbs).

The loudspeaker shall be the Void Acoustics Indigo 6 Pro.

10 Appendix

Indigo 6s architectural specification

The loudspeaker shall be a passive two-way system consisting of one high power 6.5" (125 mm), direct radiating, reflex loaded, low frequency (LF) transducer and 1" (25 mm) diameter soft dome tweeter high frequency (HF) transducer mounted in a fibreglass enclosure with a smooth cellulose finish.

The low frequency (LF) transducer shall be constructed on a cast aluminium frame with treated paper cone and a 25.4 mm (1.5") voice coil, wound with copper wire on a high quality voice coil former, for high power handling and long-term reliability. The high frequency transducer shall be a soft dome tweeter and shall project it's sound through a high precision constant directivity waveguide to achieve pattern control and low distortion.

Performance specifications for a typical production unit shall be as follows: the usable on-axis bandwidth shall be 70 Hz to 23 kHz (± 3 dB) and shall average 90° directivity pattern for both horizontal and vertical axis (-6 dB down from on-axis level) from 1 kHz to 12 kHz; and a maximum SPL of 111 dB peak measured at 1 m using IEC268-5 pink noise. Power handling shall be 80 W AES at a rated impedance of 8 Ω ; crossover point at 3.2 kHz using a 4th order filter (24 dB per octave). The system shall be powered by its own dedicated power amplification module with DSP management.

The wiring connection shall be via a single removable, lockable wiring connector with four screw-down terminals (one pair for input and one pair for loop-out to another loudspeaker) to provide secure wiring and allow for pre-wiring of the connector before the installation. This connector should then screw lock to the enclosure to ensure secure attachment.

The enclosure shall be of a moulded fibreglass reinforced plastic construction with a smooth cellulose finish and shall include integral threaded inserts for the fitment of wall and ceiling mounting hardware of any RAL colour with external dimensions of (H) 273 mm x (W) 209 mm x (D) 163 mm (10.7" x 8.2" x 6.4"). Weight shall be 2.2 kg (4.9 lbs).

The loudspeaker shall be the Void Acoustics Indigo 6s.

10 Appendix

Indigo Sub architectural specification

The loudspeaker shall be an active system consisting of one high power 12" (304.8 mm), direct radiating, reflex loaded, low frequency (LF) transducer mounted in a fibreglass enclosure with smooth cellulose finish.

The low frequency (LF) transducer shall be constructed on a cast aluminium frame with treated paper cone and a 101.6 mm (4") voice coil, wound with copper wire on a high quality voice coil former, for high power handling and long-term reliability.

Performance specifications for a typical production unit shall be as follows: the usable on-axis bandwidth shall be 40 Hz to 160 kHz (± 3 dB) and shall have a maximum SPL of 123 dB peak measured at 1 m using IEC268-5 pink noise. Power handling shall be 400 W AES at a rated impedance of 8 Ω . Pressure sensitivity shall be 92 dB measured at 1W/1m. The system shall be powered by its own dedicated power amplification module with DSP management.

The wiring connection shall be via a single removable, lockable wiring connector with four screw-down terminals (one pair for input and one pair for loop-out to another loudspeaker) to provide secure wiring and allow for pre-wiring of the connector before the installation. This connector should then screw lock to the enclosure to ensure secure attachment.

The enclosure shall be of a moulded fibreglass reinforced plastic construction with a smooth cellulose finish and shall include integral threaded inserts for the fitment of wall and ceiling mounting hardware of any RAL colour. External dimensions shall be (H) 521 mm x (W) 395 mm x (D) 336 mm (20.5" x 15.5" x 13.2"). Weight shall be 21 kg (46.3 lbs).

The loudspeaker shall be the Void Acoustics Indigo Sub.

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