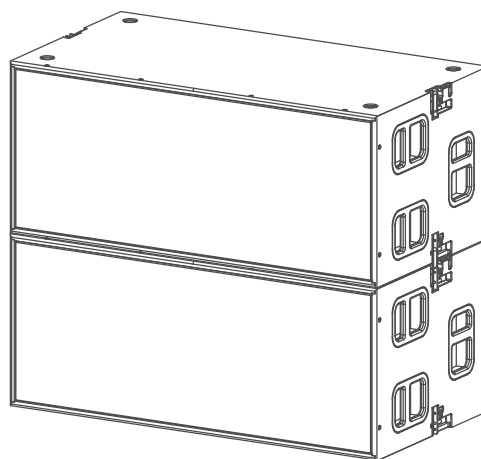
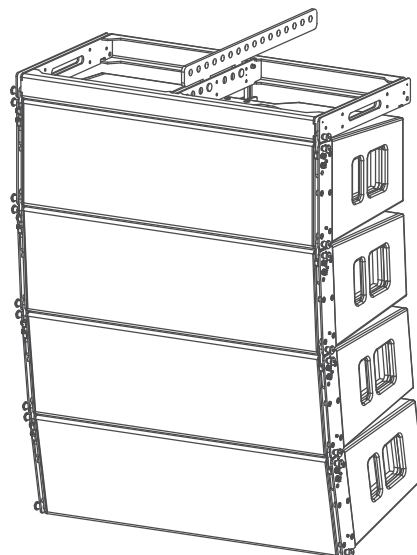


**IHOS**  
INTELLIGENT AUDIO



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## Professional Audio

PAROS  
PAROS SUB

USER MANUAL





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# USING THE UNIT SAFELY


















## INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

About WARNING and CAUTION Notices		About the Symbols	
 <b>WARNING</b>	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.		This symbol alerts the user to important instructions or warnings.
 <b>CAUTION</b>	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly.		This symbol alerts the user to items that must never be carried out (are forbidden).

## ALWAYS OBSERVE THE FOLLOWING

WARNING		WARNING	
	Before using this unit, make sure to read the instructions below, and the Owner's Manual.		Use only the attached power-supply cord. Also, the supplied power cord must not be used with any other device.
	Do not open (or modify in any way) the unit or its AC adaptor.		Do not excessively twist or bend the power cord, nor place heavy objects on it. Doing so can damage the cord, producing severed elements and short circuits. Damaged cords are fire and shock hazards.
	Do not attempt to repair the unit, or replace parts within it(except when this manual provides specific instructions directing you to do so). Refer all servicing to your retailer or the nearest authorized Service Center.		This unit, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level, or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should immediately stop using the unit, and consult an audiologist.
	Never use or store the unit in places that are: <ul style="list-style-type: none"> <li>●Subject to temperature extremes(e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are</li> <li>●Damp and humid(e.g., baths, washrooms, on wet floors); or are</li> <li>●Exposed to rain; or are</li> <li>●Dusty; or are</li> <li>●Subject to high levels of vibration.</li> </ul>		Do not allow any objects (e.g., flammable material, coins, pins); or liquids of any kind (water, soft drinks, etc.) to penetrate the unit.
	Make sure you always have the unit placed so it is level and sure to remain stable. Never place it on stands that could wobble, or on inclined surfaces.		Immediately turn the power off, remove the AC adaptor from the outlet, and request servicing by your retailer or the nearest authorized Service Center when:
	Be sure to use only the AC adaptor supplied with the unit. Also, make sure the line voltage at the installation matches the input voltage specified on the AC adaptor's body.		<p>The AC adaptor, the power-supply cord, or the plug has been damaged; or</p> <p>If smoke or unusual odor occurs</p> <p>Objects have fallen into, or liquid has been spilled onto the unit; or</p> <p>The unit has been exposed to rain (or otherwise has become wet); or</p> <p>The unit does not appear to operate normally or exhibits a marked change in performance.</p>

## USING THE UNIT SAFELY

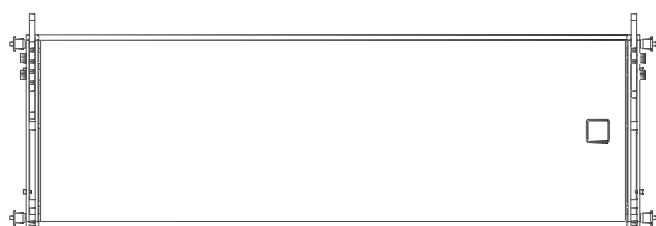
WARNING		CAUTION	
	Protect the unit from strong impact. (Do not drop it!)		Try to prevent cords and cables from becoming entangled. Also, all cords and cables should be placed so they are out of the reach of children.
	Do not force the unit's power-supply cord to share an outlet with an unreasonable number of other devices. Be especially careful when using extension cords-the total power used by all devices you have connected to the extension cord's outlet must never exceed the power rating (watts/amperes) for the extension cord. Excessive loads can cause the insulation on the cord to heat up and eventually melt through.		Never climb on top of, nor place heavy objects on the unit.
	Before using the unit in a foreign country, consult with your retailer or the nearest authorized Service Center.		Never handle the AC adaptor or its plugs with wet hands when plugging into, or unplugging from, an outlet or this unit.
	Batteries must never be recharged, heated, taken apart, or thrown into fire or water.		Before moving the unit, disconnect the AC adaptor and all cords coming from external devices.
	Only switching off the unit and unplugging from an outlet, the unit is powered off completely.		Before cleaning the unit, turn off the power and unplug the AC adaptor from the outlet.
	The unit and the AC adaptor should be located so their location or position does not interfere with their proper ventilation.		Whenever you suspect the possibility of lightning in your area, disconnect the AC adaptor from the outlet.
	Always grasp only the plug on the AC adaptor cord when plugging into, or unplugging from, an outlet or this unit.		<p>If used improperly, batteries may explode or leak and cause damage or injury. In the interest of safety, please read and observe the following precautions.</p> <ul style="list-style-type: none"> <li>Carefully follow the installation instructions for batteries, and make sure you observe the correct polarity.</li> <li>Avoid using new batteries together with used ones.</li> <li>If a battery has leaked, use a soft piece of cloth or paper towel to wipe all remnants of the discharge from the battery compartment. Then install new batteries. To avoid inflammation of the skin, make sure that none of the battery discharge gets onto your hands or skin. Exercise the utmost caution so that none of the discharge gets near your eyes. Immediately rinse the affected area with running water if any of the discharge has entered the eyes.</li> <li>Never keep batteries together with metallic objects such as ballpoint pens, necklaces, hairpins, etc.</li> <li>Dispose of the waste battery according to national or local regulations regarding hazardous waste.</li> </ul>
	At regular intervals, you should unplug the AC adaptor and clean it by using a dry cloth to wipe all dust and other accumulations away from its prongs. Also, disconnect the power plug from the power outlet whenever the unit is to remain unused for an extended period of time. Any accumulation of dust between the power plug and the power outlet can result in poor insulation and lead to fire.		
			Should you remove screws, keep them in a safe place out of children's reach, so there is no chance of them being swallowed accidentally.
			Shock hazardous voltages and currents are present inside the enclosure. Do not remove and replace the speaker grill and speaker by any means.

# USING THE UNIT SAFELY

IMPORTANT NOTES	IMPORTANT NOTES
<p><b>Power Supply: Use of Batteries</b></p> <ul style="list-style-type: none"> <li>Do not connect this unit to same electrical outlet that is being used by an electrical appliance that is controlled by an inverter (such as a refrigerator, washing machine, microwave oven, or air conditioner), or that contains a motor. Depending on the way in which the electrical appliance is used, power supply noise may cause this unit to malfunction or may produce audible noise. If it is not practical to use a separate electrical outlet, connect a power supply noise filter between this unit and the electrical outlet.</li> <li>The AC adaptor will begin to generate heat after long hours of consecutive use. This is normal, and is not a cause for concern.</li> <li>When installing or replacing batteries, always turn off the power on this unit and disconnect any other devices you may have connected. This way, you can prevent malfunction and /or damage to speakers or other devices.</li> <li>Use only suitable rechargeable batteries of the same size and type. Make sure the polarity is correct. Or it may cause this unit to malfunction.</li> <li>Please charge the battery as soon as you can when in low energy. The battery's storage capacity goes down if not using it for a long time.</li> </ul> <p>Note: Please charge the battery once a month regularly if not using it for long period.</p> <p><b>Placement</b></p> <ul style="list-style-type: none"> <li>Using the unit near power amplifier (or other equipment containing large power transformers) may induce hum. To alleviate the problem, change the orientation of this unit; or move it farther away from the source of interference.</li> <li>This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers.</li> <li>Noise may be produced if wireless communications devices, such as cell phones, are operated in the vicinity of this unit. Such noise could occur when receiving or initiating a call, or while conversing. Should you experience such problems, you should relocate such wireless devices so they are at a greater distance from this unit, or switch them off.</li> <li>Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Also, do not allow lighting devices that normally are used while their light source is very close to the unit (such as a piano light), or powerful spotlights to shine upon the same area of the unit for extended periods of time. Excessive heat can deform or discolor the unit.</li> </ul>	<ul style="list-style-type: none"> <li>When moved from one location to another where the temperature and /or humidity is very different, water droplets (condensation) may form inside the unit, you must allow it to stand for several hours, until the condensation has completely evaporated.</li> <li>Do not allow rubber, vinyl, or similar materials to remain on the unit for long periods of time. Such objects can discolor or otherwise harmfully affect the finish.</li> <li>Do not paste stickers, decals, or the like to this instrument. Peeling such matter off the instrument may damage the exterior finish.</li> </ul> <p><b>Maintenance</b></p> <ul style="list-style-type: none"> <li>For everyday cleaning wipe the unit with a soft, dry cloth or one that has been slightly dampened with water. To remove stubborn dirt, use a cloth impregnated with a mild, non-abrasive detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.</li> <li>Never use benzine, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.</li> </ul> <p><b>Additional Precautions</b></p> <ul style="list-style-type: none"> <li>Use a reasonable amount of care when using the unit's buttons, sliders, or other controls; and when using its jacks and connectors. Rough handling can lead to malfunctions.</li> <li>When connecting/disconnecting all cables, grasp the connector itself-never pull on the cable. This way you will avoid causing shorts, or damage to the cable's internal elements.</li> <li>To avoid disturbing your neighbors, try to keep the unit's volume at reasonable levels (especially when it is late at night or near specific places like schools or hospitals).</li> <li>When you need to transport the unit, package it in the box (including padding) that it came in, if possible. Otherwise, you will need to use equivalent packaging materials.</li> <li>Some connection cables contain resistors. Do not use cables that incorporate resistors for connecting to this unit. The use of such cables can cause the sound level to be extremely low, or impossible to hear. For information on cable specifications, contact the manufacturer of the cable.</li> </ul>

## Product component name

PAROS products in the box



PAROS \* 1 Instruction manuals Warranty cards

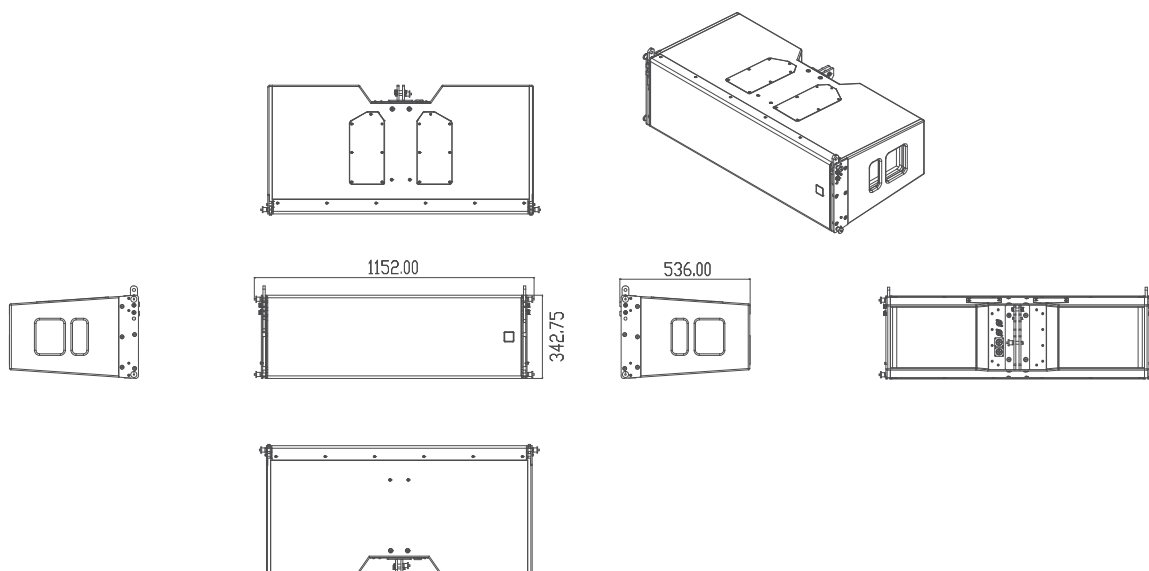
PAROS SUB products in the box



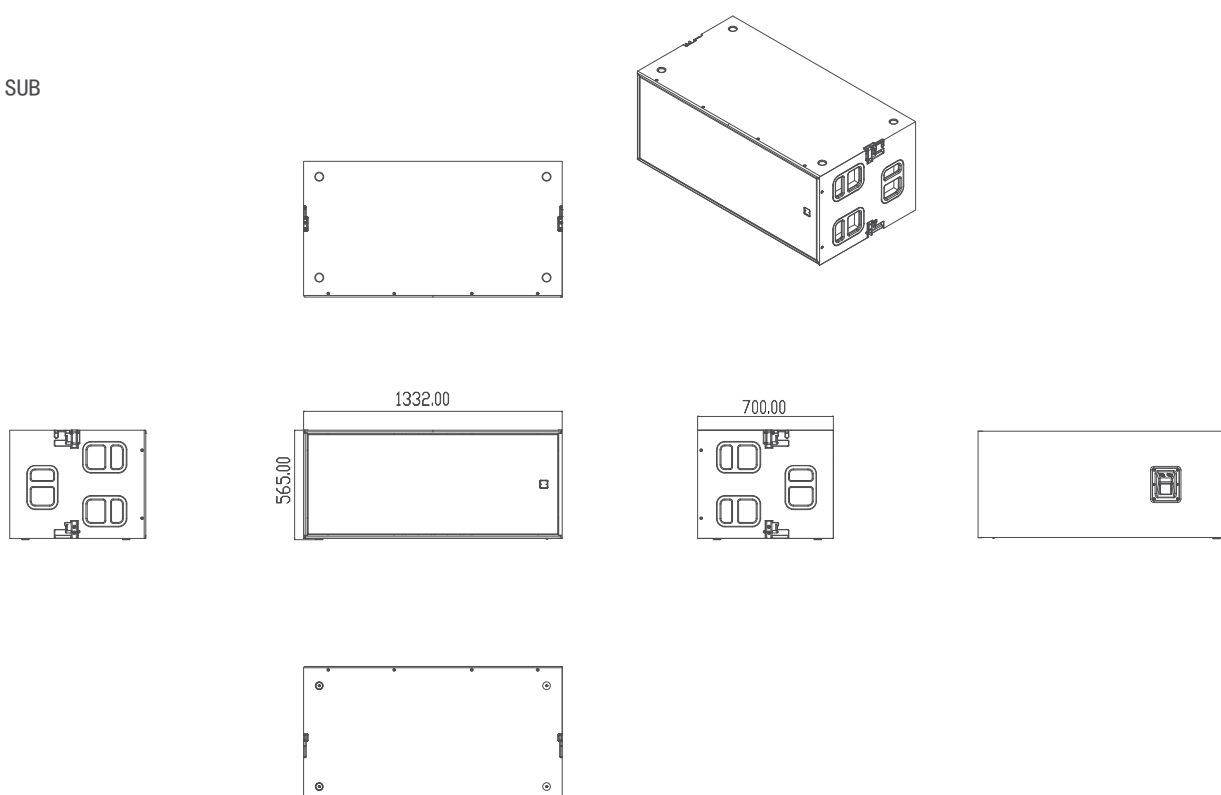
PAROS SUB \* 1 Instruction manuals Warranty cards

## Product component name

PAROS

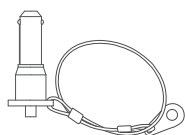


PAROS SUB

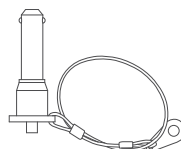




## Spare parts

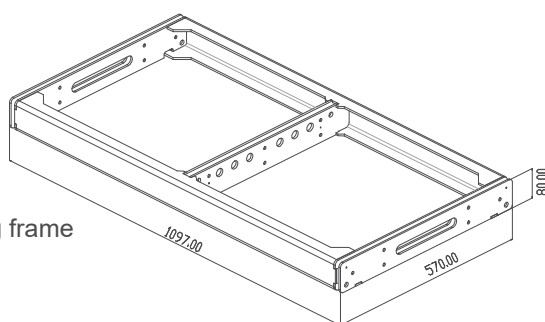


front latch  
22mm\* Ø 12mm

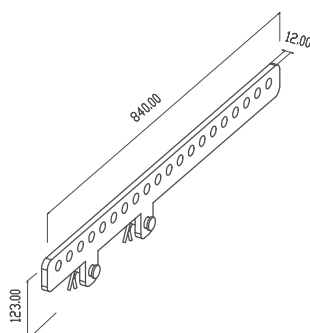


back latch  
31mm\* Ø 12mm

PAROS Hanging frame



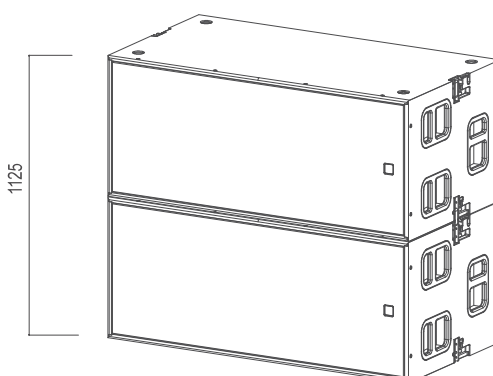
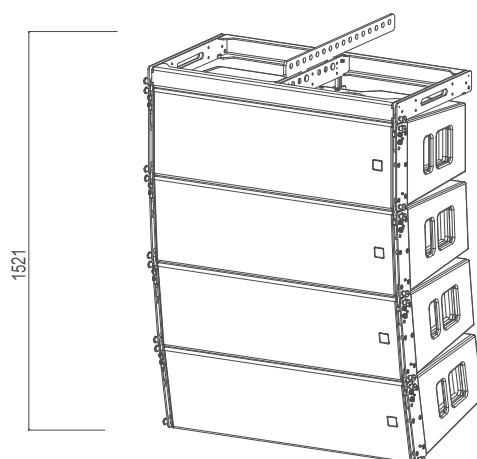
extension rod



## Product Portfolio Approach

### portfolio approach

Floor-standing + lifting  
Suitable for 300-500 viewers



- 4x PAROS
- 2x PAROS SUB
- 1x PAROS hanging frame

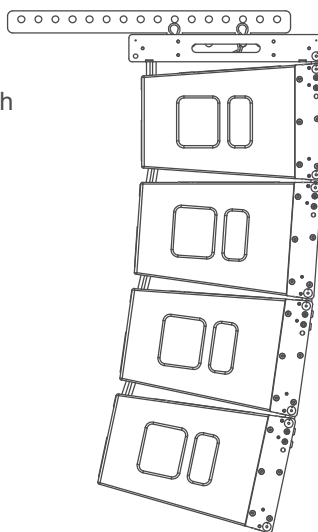
### Recommended configuration

Full-range speaker and bass ratio 2:1, the best ratio of 3:2

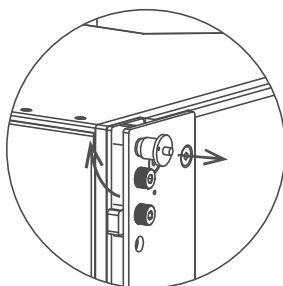
## Operating modes and connections

### Angle adjustment between speakers

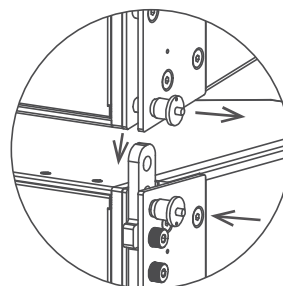
The angle of the satellite box can be adjusted by  $0^{\circ}$   $0.5^{\circ}$   $1^{\circ}$   $2^{\circ}$   $3^{\circ}$   $4^{\circ}$   $5^{\circ}$   $6^{\circ}$   $7^{\circ}$   $8^{\circ}$  through different holes.



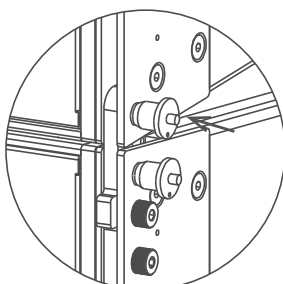
### Connection method between speakers



1: Pull out the latch and turn the connector upwards



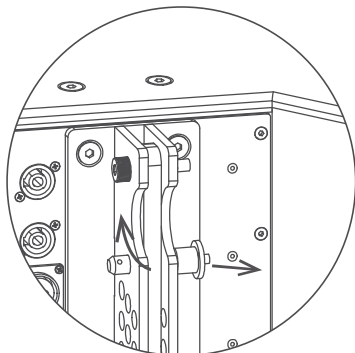
2: Fix the connector of the first sound with the latch, pull out the latch of the second sound and connect the first sound



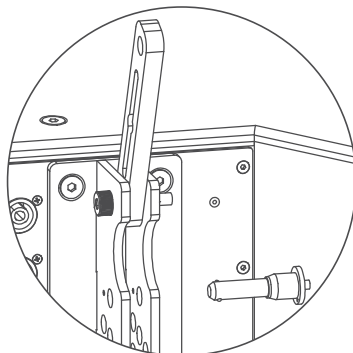
2: Fix the connector of the first sound with the latch, pull out the latch of the second sound and connect the first sound

## Operating modes and connections

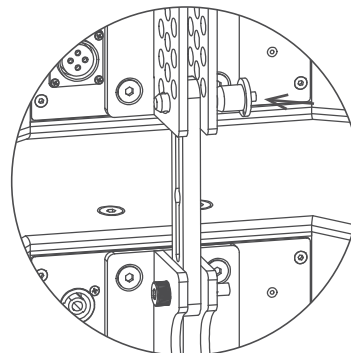
### Speaker Rear Connection Method



1: Pull out the plug



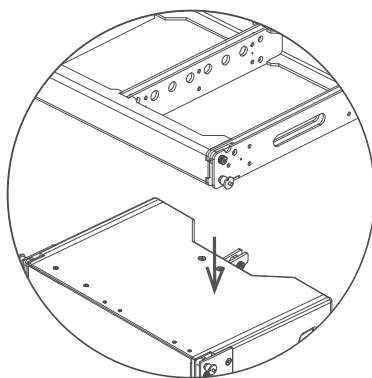
2: Flip the connector upward



3: Put in the second stereo will be plugged into the second speaker to complete the on-line

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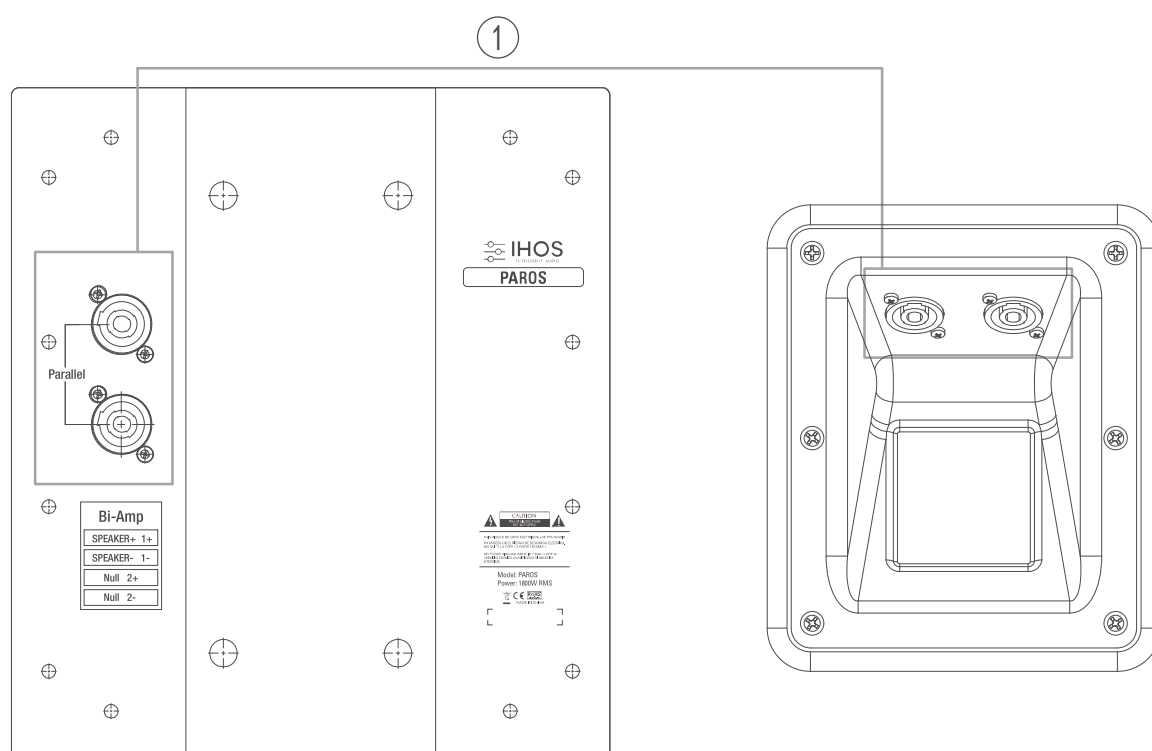
### Hanger and full-range box connection method



1: Install the full-range box hanger on the full-range box

# PAROS/PAROS SUB Product Functions and Usage Instructions

## Control Panel illustration



## PAROS/PAROS SUB Product Functions and Usage Instructions

PAROS Panel Function Introduction		
<p>1. For two parallel four-pole SPEAKON female chassis, you can connect any one of them to a LINE signal source (such as mixing consoles, effects, etc.), and at the same time, the signal can be connected from the other female chassis to the signal input connector of the next PAROS.</p>		

## Product Specification

Model number	PAROS	PAROS SUB
Type	Passive Full-Range Array Speaker	Passive Subwoofer Array Speaker
Frequency range (-10dB)	65~20KHz (-10dB)	30Hz~150Hz (-10dB)
Element impedance	4Ω	4Ω
Directivity	90°Horizontal X 8° (Vertical,single soundbox)	/
Sensitivity	102dB	101dB
Frequency division point	250Hz/900Hz	/
System power	1800W	2000W
Signal Input Interface	1*speakon	1*speakon
Signal Output Interface	1*speakon	1*speakon
speaker unit	Bass: 12" Bass*2 Midrange: 8" Midrange*2 Treble:3" driver*2	Bass:18 " Bass*2
lifting	Lifting bracket, 0, 0.5, 1, 2, 3, 4, 5, 6, 7, 8° adjustable	Lifting bracket
cabinet	Full Birch PLY	Full Birch PLY
mesh cover	1.5mm steel mesh	1.5mm steel mesh
Product Color	Black	Black
Product size (height, width and depth)	343*1152*536mm	565*1332*700mm
Product weight (net)	68kg	96kg
Package Size	67. 5*49*128cm/1PC/71KG	145. 5*82*70cm/1PC/102KG
Gross Weight	71kg	102kg

## Troubleshooting and diagnostics

### Troubleshooting and diagnostics

Troubleshooting and diagnostics	
<b>No sound from speakers</b>	A. Please check if the power cord connection is plugged in tightly and turn right to ON position.
	B. Please check that all connecting wires of the cable are properly connected and that the connection is secure.
	C. Check that the DSP and LEVEL setting gears are in the positions corresponding to the normal gears.
	D. Ensure that the source equipment is functional and capable of broadcasting the required signals.
	E. Check if the level setting is too low, adjust the output level setting of the source device, or raise the output level with the LEVEL controller.
<b>Playing with noise</b>	A. Check if the audio input is normal.
	B. Check for bent, shorted or broken cables.
	C. Check that the signal connecting wires are in good contact.
	D. If the signal indicator lights up red, it means the output volume is too high, adjust the output level setting of the audio device, or use the LEVEL controller to adjust the output level.
<b>Different sound for each speaker (if more than one speaker is used)</b>	Set the DSP switch and LEVEL switch to the same position for each speaker.
<b>Sound breaks</b>	Please wait until the amplifier has cooled down. If the unit does not reset itself automatically, turn the power off and then back on again.