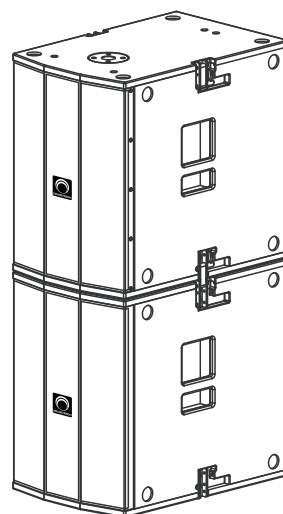
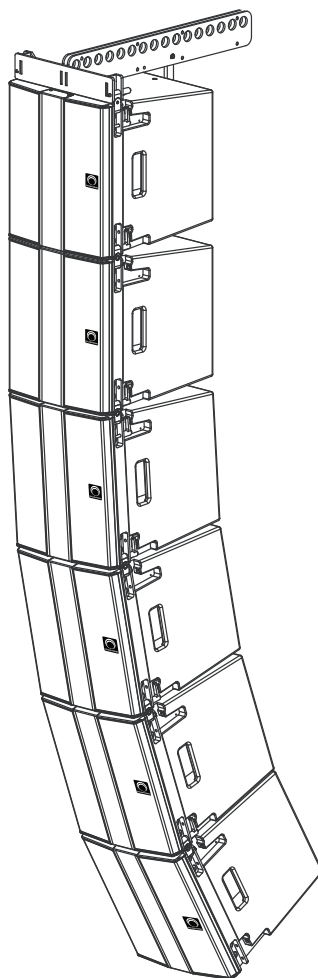




# FLEXY<sup>M</sup>



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## PROFESSIONAL LINE ARRAY SPEAKER SYSTEM

FLEXY M 62LA

FLEXY M 15SA

USER MANUAL

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# GENERAL INFORMATION

**Thank you very much for your choice of FLEXY M loudspeaker product for your application!**

In order to feel assured that you have gained a good grasp of every feature provided by your new unit, owner's manual should be read in its entirety.

The manual should be saved and kept on hand as a convenient reference.

## Introduction





FLEXY M 62LA active line array adjustable angle design, coaxial design to avoid abnormal near-field sound quality, special waveguide technology, greatly reducing midrange interference, unique FIR filter technology to keep the phase consistency of each frequency band.

## Contents












<b>GENERAL INFORMATION.....</b>	<b>2</b>
<b>SAFETY GUIDELINES.....</b>	<b>3</b>
<b>PRODUCT ANNOUNCEMENT.....</b>	<b>6</b>
<b>ACCESSORIES.....</b>	<b>7</b>
<b>CONFIGURATION.....</b>	<b>8</b>
<b>INSTALLATION &amp; CONNECTION.....</b>	<b>12</b>
<b>FLEXY M 62LA FUNCTION INSTRUCTION.....</b>	<b>16</b>
<b>FLEXY M 15SA FUNCTION INSTRUCTION.....</b>	<b>18</b>
<b>SPECIFICATION.....</b>	<b>20</b>

# SAFETY GUIDELINES

## 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: The AC adaptor, the power-supply cord, or the plug has been damaged; or If smoke or unusual odor occurs Objects have fallen into, or liquid has been spilled onto the unit; or The unit has been exposed to rain (or otherwise has become wet); or The unit does not appear to operate normally or exhibits a marked change in performance.
	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.		

# SAFETY GUIDELINES

## ALWAYS OBSERVE THE FOLLOWING

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.

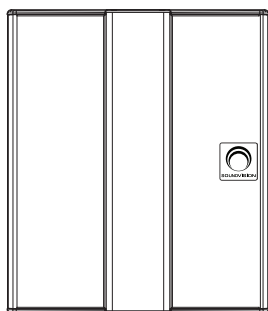
# SAFETY GUIDELINES

ALWAYS OBSERVE THE FOLLOWING

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>

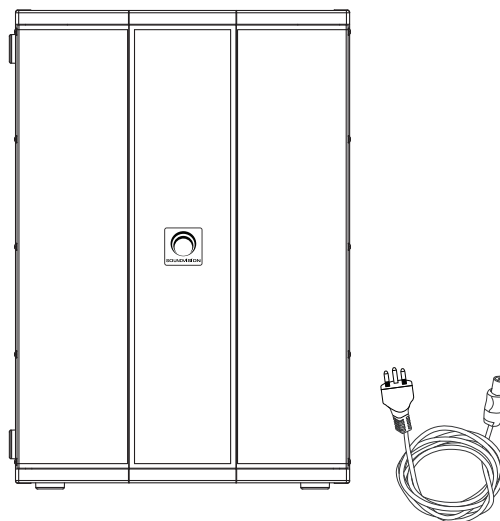
# PRODUCT ANNOUNCEMENT

## FLEXY M 62LA Products in the box

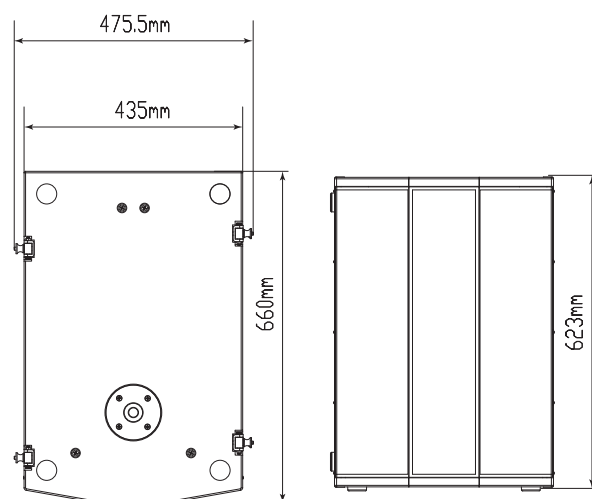
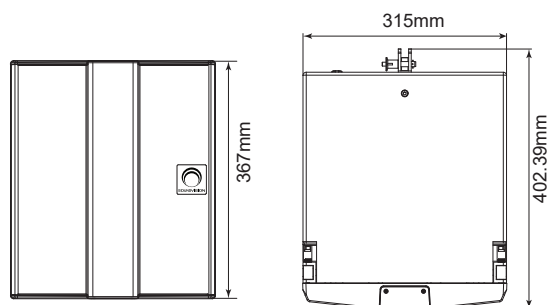


FLEXY M 62LA \*1 Manual

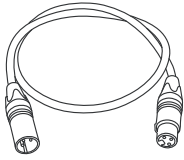
## FLEXY M 15SA Products in the box



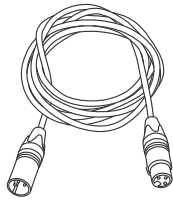
FLEXY M 15SA\*1Manual 3M power cable



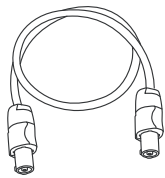
## ACCESSORIES



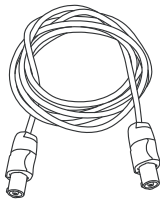
0.6M signal cable



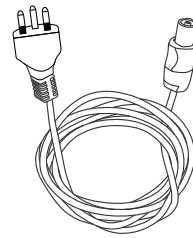
2M signal cable



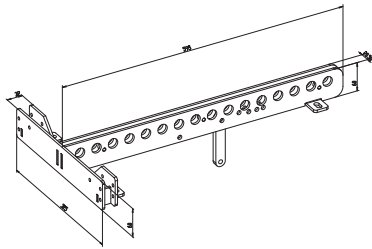
0.6M power cable



2M power cable



3M power cable

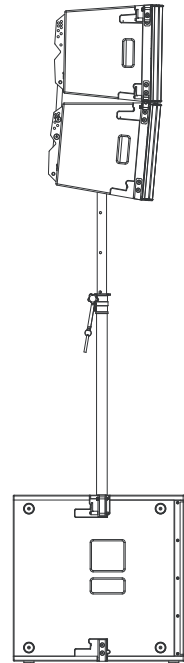
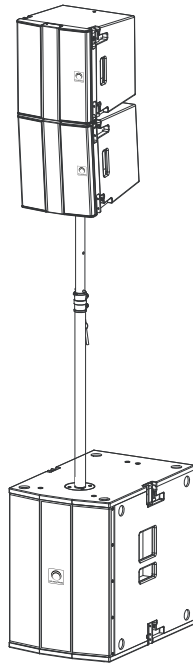


FLEXY M Flybar



FLEXY M Pole

# CONFIGURATION



DSP SETUP 1

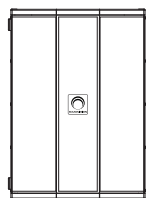
## CONFIGURATION 1

## On-ground mode

### Speaker & Accessories



FLEXY M 62LA x1



FLEXY M 15SA x1



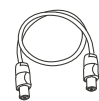
3M power cable x1



FLEXY M Pole x1



0.6M signal cable x1



0.6M power cable x1



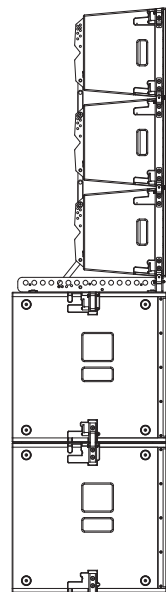
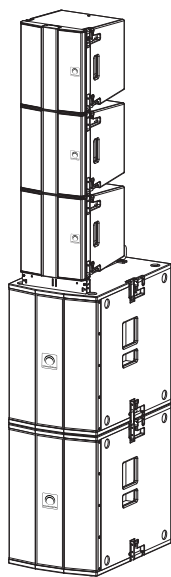
2M signal cable x1



2M power cable x1



# CONFIGURATION



DSP SETUP 2

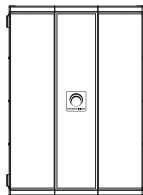
## CONFIGURATION 2

## On-ground mode

### Speaker & Accessories



FLEXY M 62LA x3



FLEXY M 15SA x2



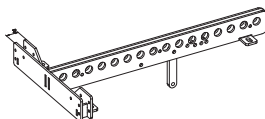
3M power cable x1



2M signal cable x2



0.6M signal cable x2



FLEXY M Flybar

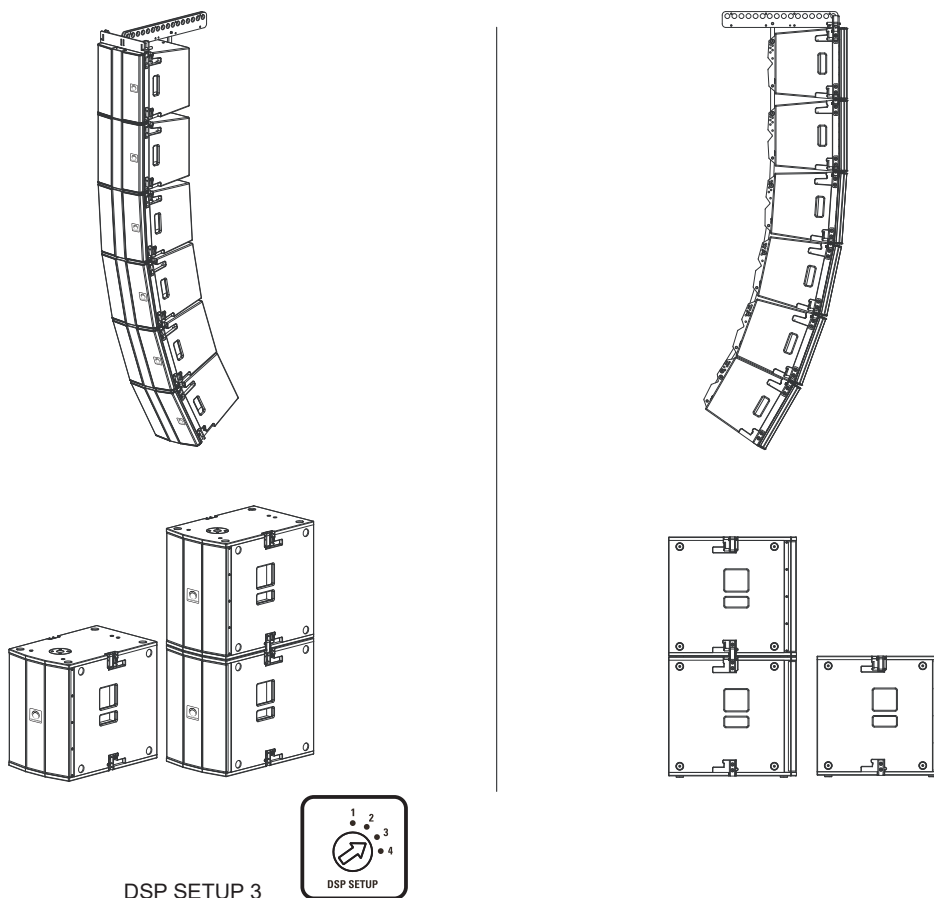


2M power cable x2



0.6M power cable x2

# CONFIGURATION

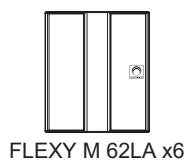


DSP SETUP 3

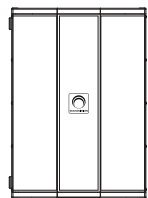
## CONFIGURATION 3

## Ground-hanging

### Speaker & Accessories



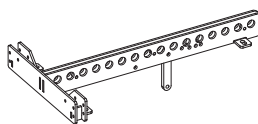
FLEXY M 62LA x6



FLEXY M 15SA x3



3M power cable x1



FLEXY M Flybar



2M signal cable x3



0.6M signal cable x3

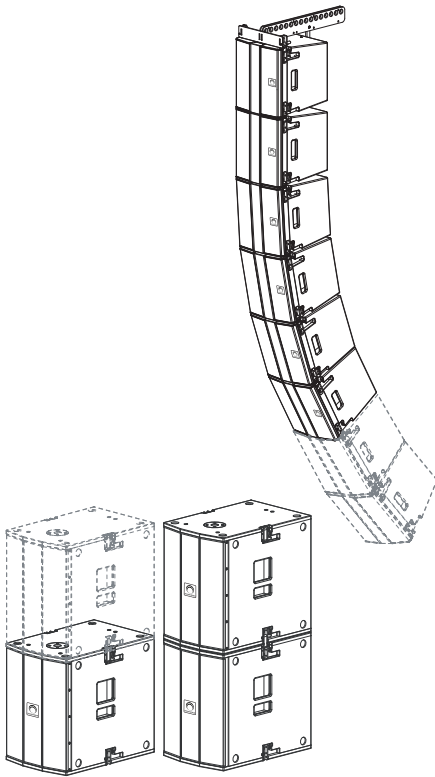


2M power cable x3



0.6M power cable x3

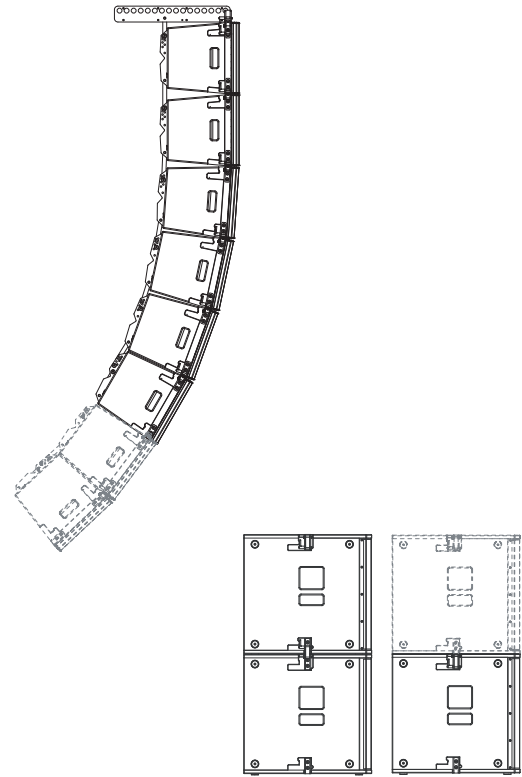
# CONFIGURATION



FLEXY M 62LA >6 DSP SETUP 4



FLEXY M 62LA x2 match with FLEXY M 15SA x1



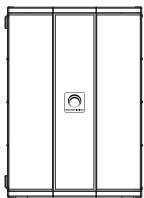
## CONFIGURATION 4

## Ground-hanging

## Speaker & Accessories



FLEXY M 62LA > 6



FLEXY M 15SA >3



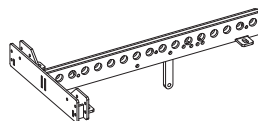
3M power cable x1



2M signal cable >3



0.6M signal cable >5



FLEXY M Flybar



2M power cable >3



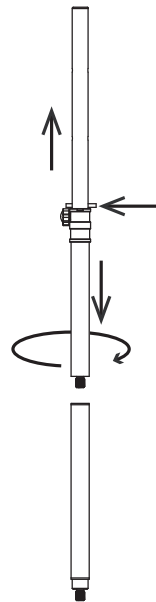
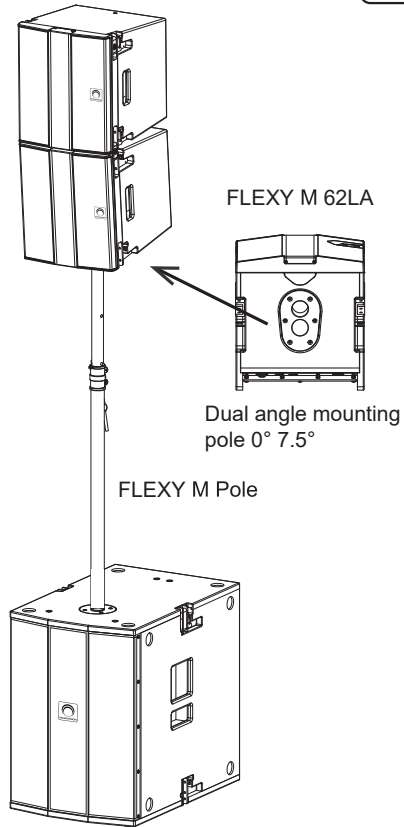
0.6M power cable >5

# INSTALLATION & CONNECTION

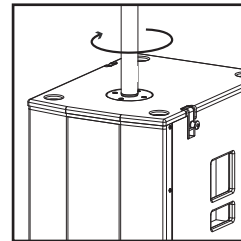


## CONFITURATION 1:

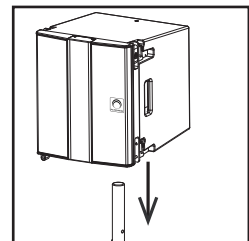
Connect 1pc SUB with 1pc Satellite by pole.(Ground use and suitable for small audience/venue),Switch DSP to mode 1.



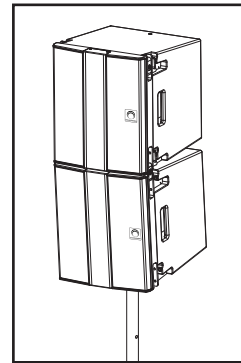
1.connect pole,adjust pole height



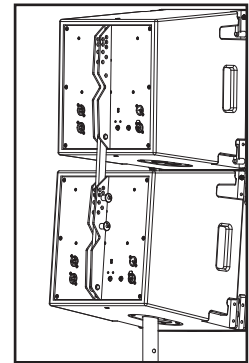
2.assemble pole in FLEXY M 15SA



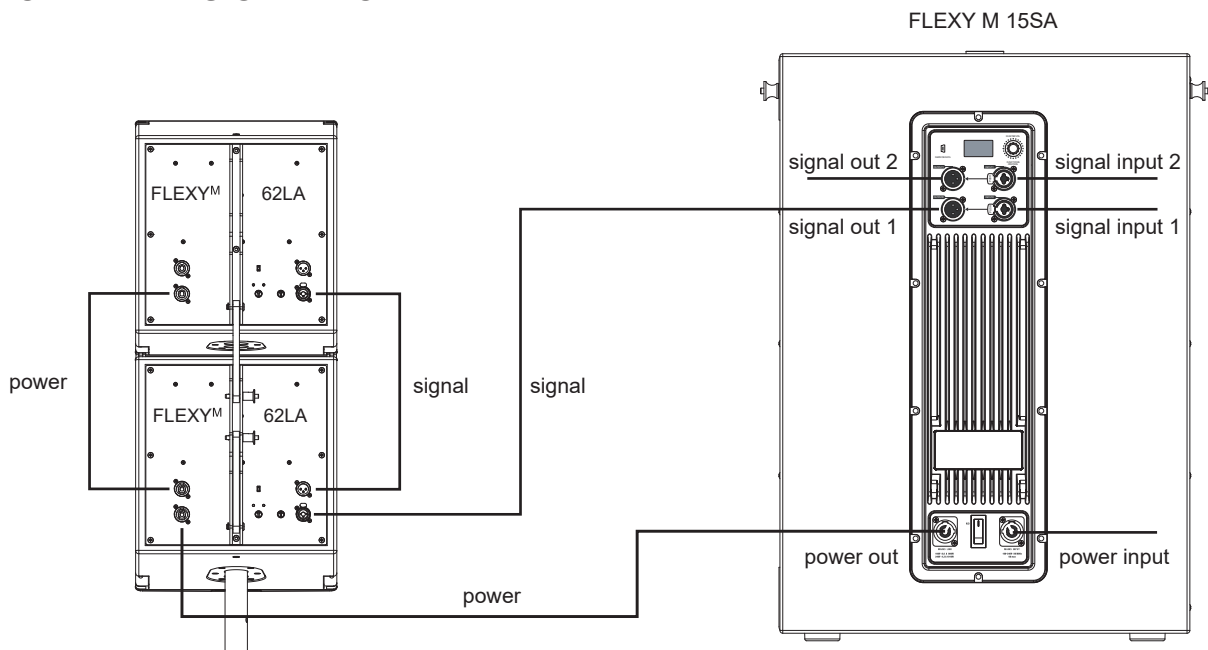
3.FLEXY M 62LA fix in mounting pole 7.5°



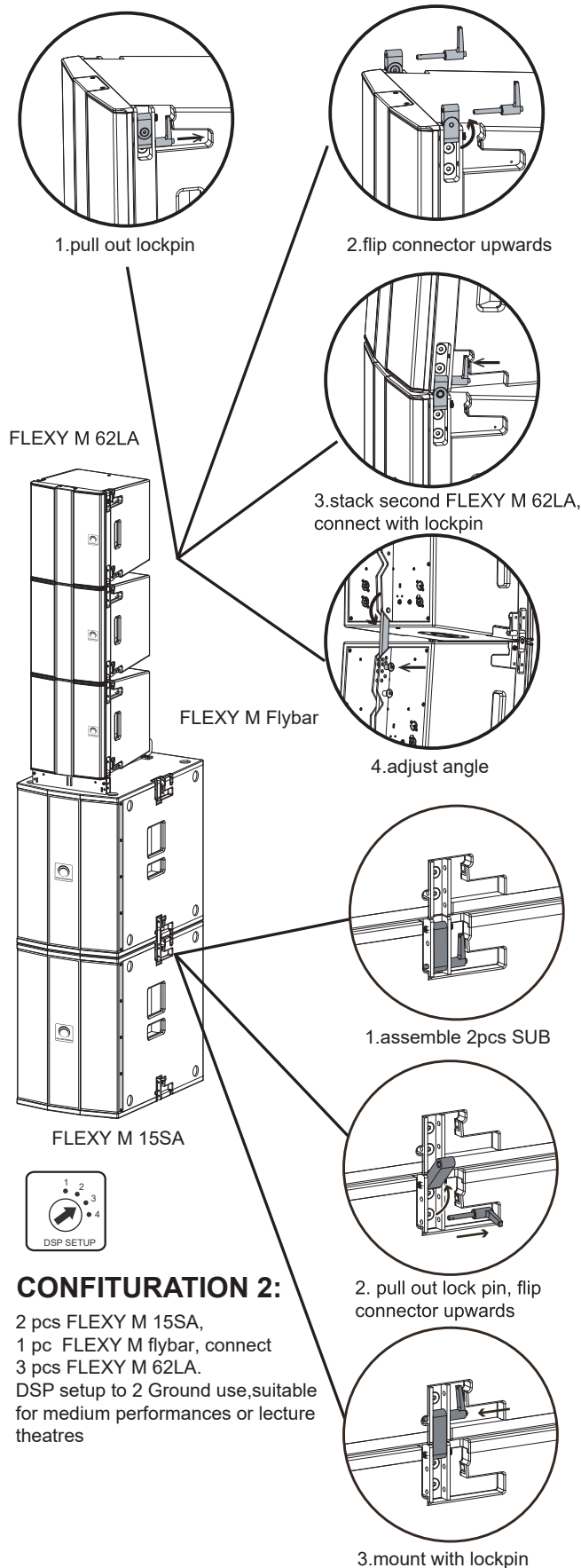
4.Stack second FLEXY M 62LA speaker,select desired throw angles



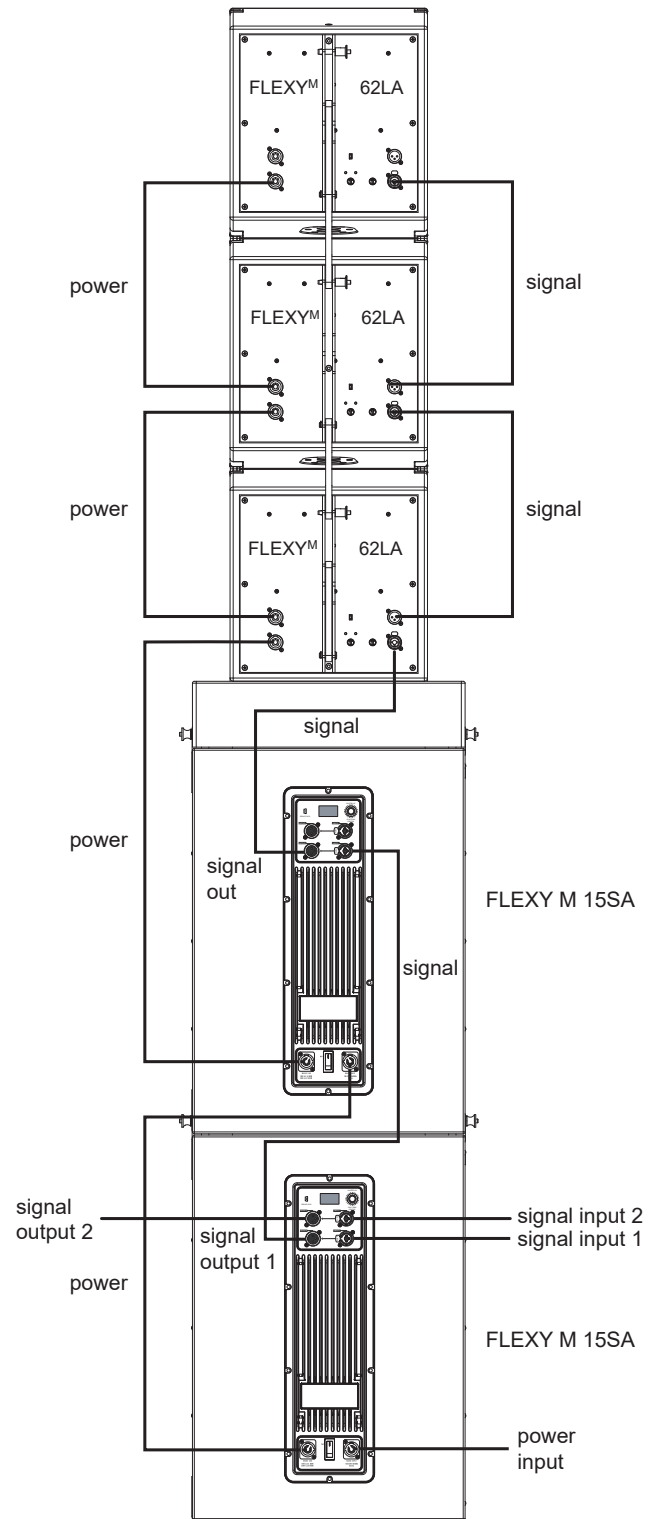
## POWER AND SIGNAL CONNECT



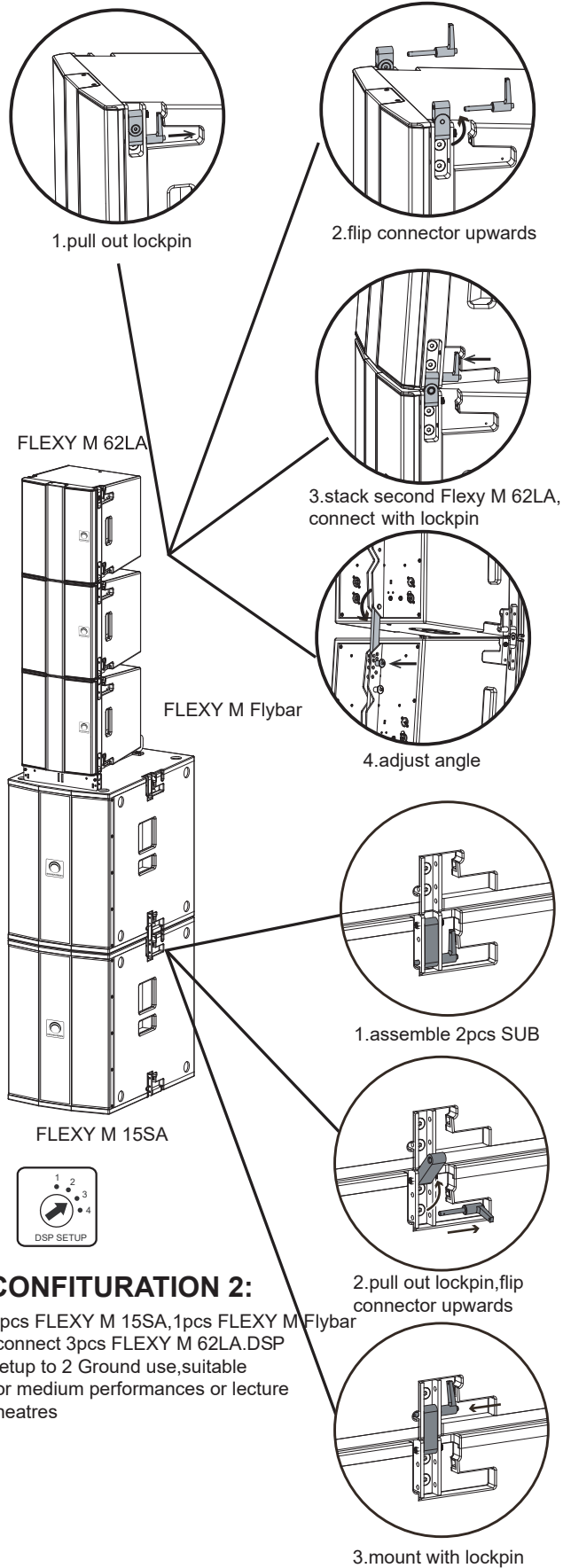
# INSTALLATION & CONNECTION



## POWER AND SIGNAL CONNECT



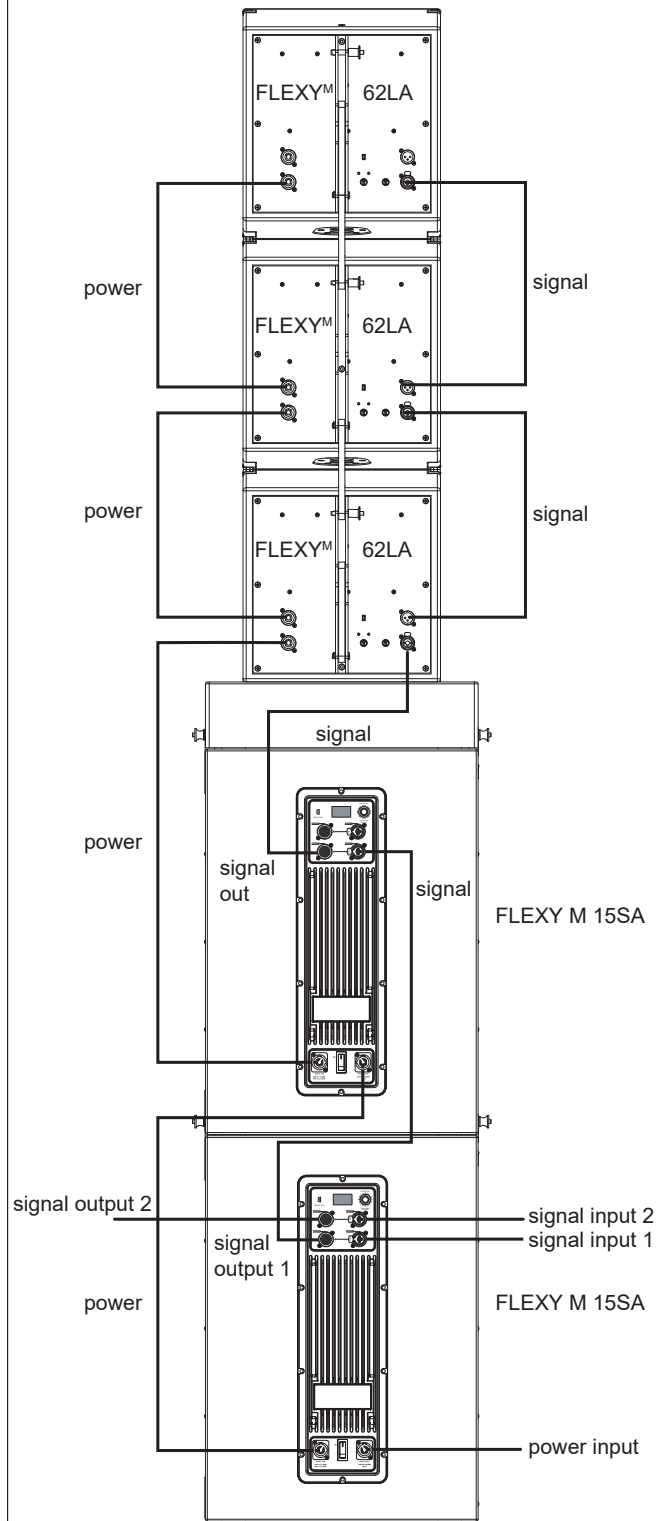
# INSTALLATION & CONNECTION



## CONFITURATION 2:

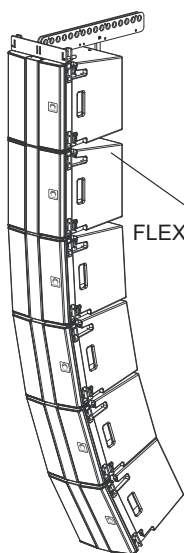
2pcs FLEXY M 15SA, 1pcs FLEXY M Flybar, connect 3pcs FLEXY M 62LA. DSP setup to 2 Ground use, suitable for medium performances or lecture theatres

## POWER AND SIGNAL CONNECT



# INSTALLATION&CONNECTION

FLEXY M Flybar

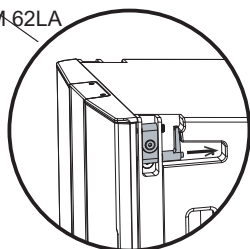


FLEXY M 62LA

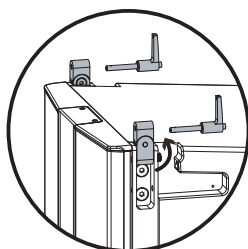
## CONFITURATION 3:



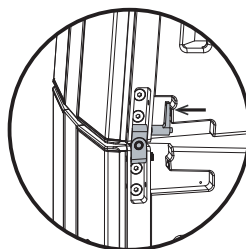
Mount several FLEXY M 62LA line array by FLEXY M Flybar,ground use several FLEXY M 15SA.DSP setup to 3-4,6pcs FLEXY M 62LA setup to 3,FLEXY M 62LA > 6pcs,setup to 4Hanging use,suitable for medium-big performances



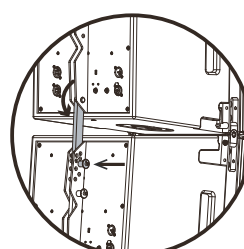
1.pull out lockpin



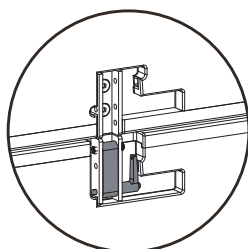
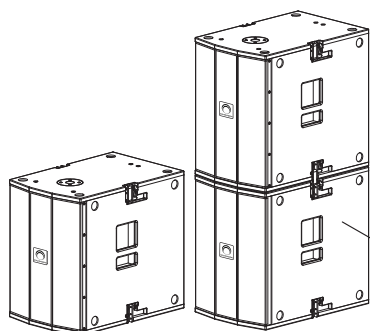
2.flip connector upwards



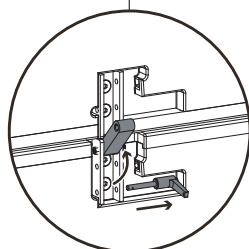
3.mount with lockpin



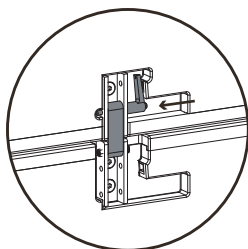
4.adjust angle



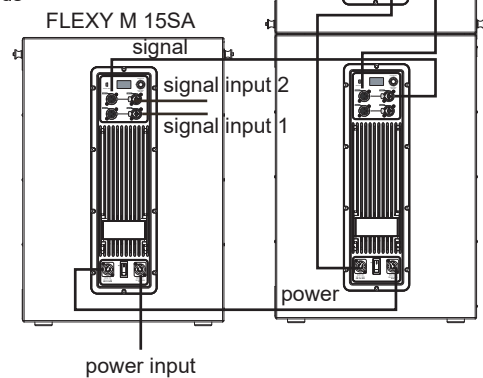
1.assemble 2pcs SUB



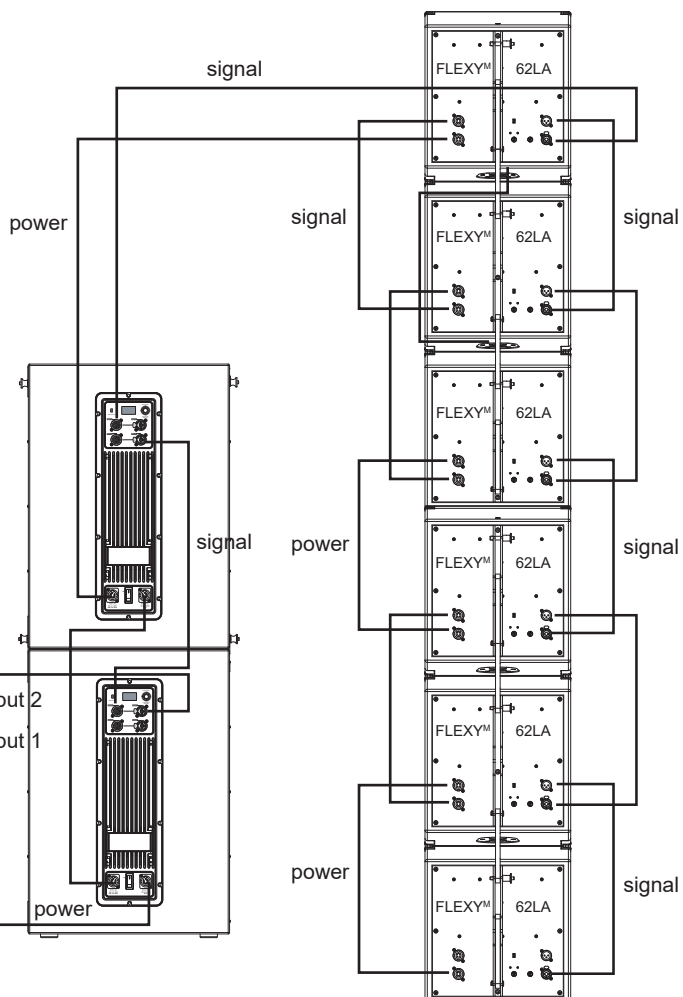
2.pull out lockpin,flip connector upwards



3.mount with lockpin

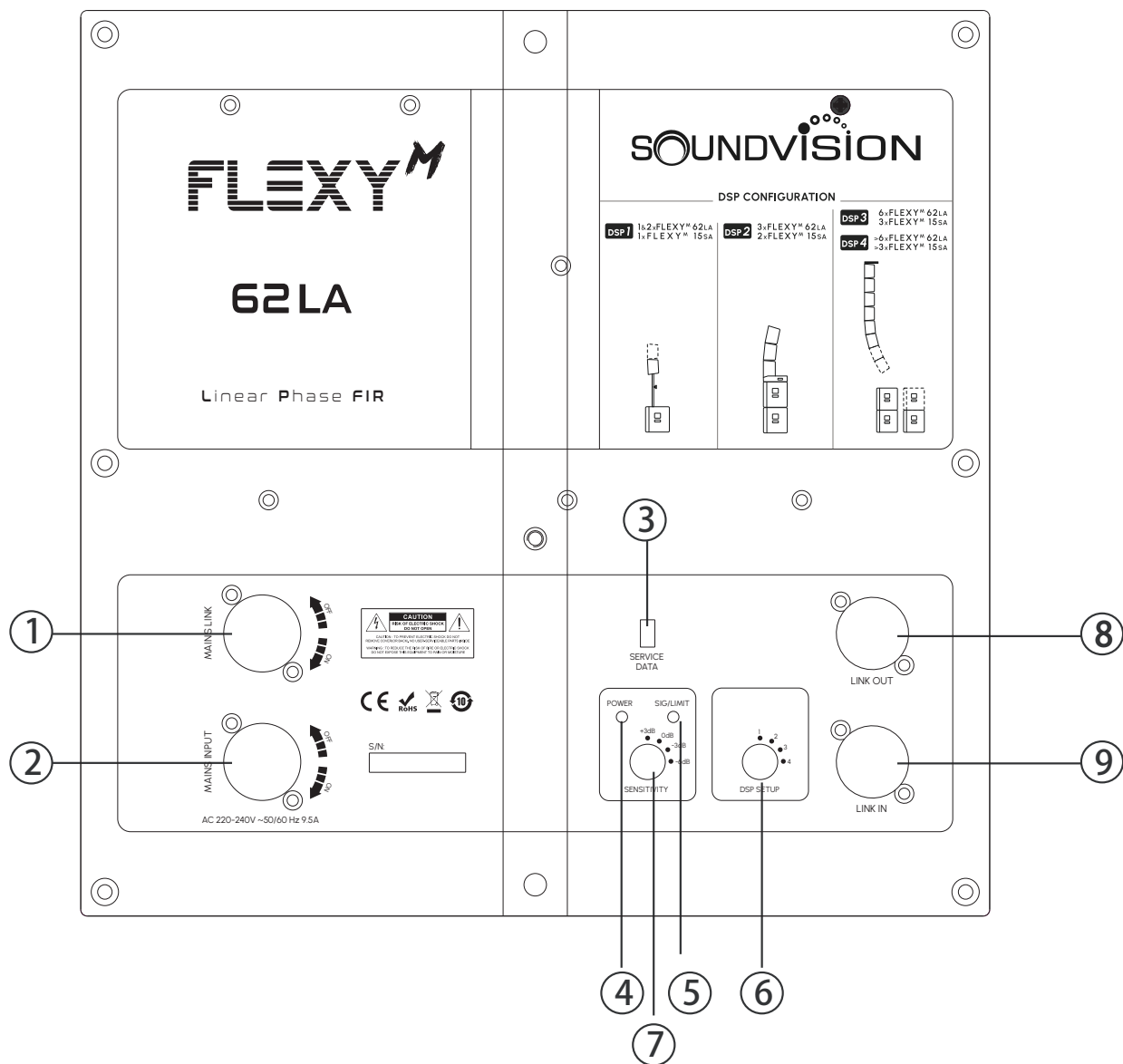


## POWER AND SIGNAL CONNECT



# FLEXY M 62LA FUNCTION INSTRUCTION

## Overview-Connections&controls



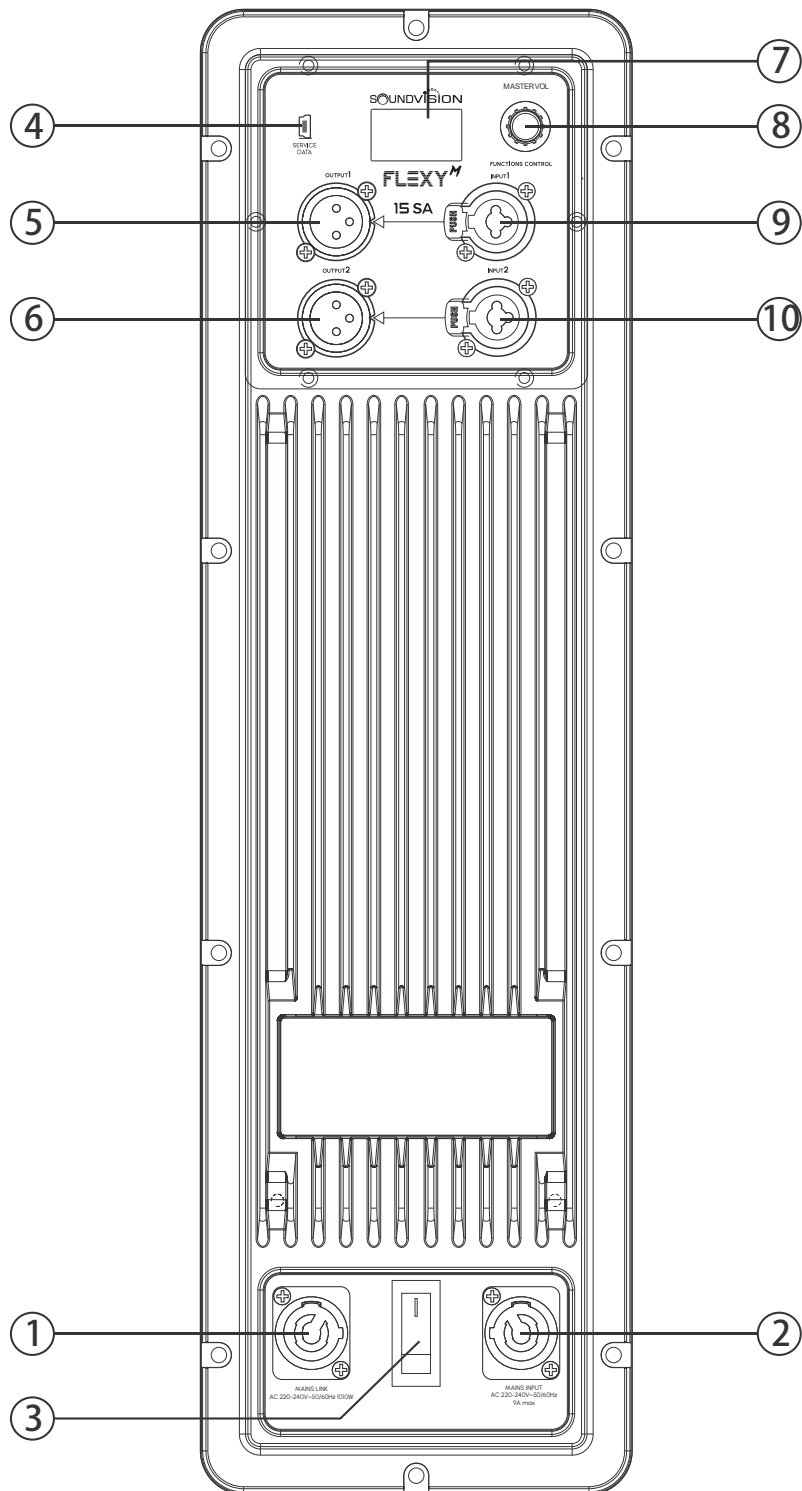


# FLEXY M 62LA FUNCTION INSTRUCTION

FLEXY M 62LA panel function		
<p><b>1.POWERCON OUT</b> Connect another speaker power input.</p> <p><b>2.POWERCON IN</b> Power input.</p> <p><b>3.SERVICE DATA</b> Only used by SOUND VISION customer service department.Pls don't insert any other USB.</p> <p><b>4.POWER</b> Blue indicates main power.</p> <p><b>5.SIG/LIMIT</b> Power input,green indicates signal input,red indicates the internal circuit has tripped.</p> <p><b>6.DSP SETUP</b> 4 DSP SETUP.</p> <p><b>7.SENSITIVITY</b> Control Sensivity input singnal to speaker (From +3dB - -6dB)</p> <p><b>8.LINK OUT</b> 3pin XLR output connector(balanced line-level audio output).</p> <p><b>9.LINE IN</b> 3pin XLR input connector(balanced line-level audio input).</p>		

# FLEXY M 15SA FUNCTION INSTRUCTION

## Overview-Connections&controls



# FLEXY M 15SA FUNCTION INSTRUCTION

FLEXY M 15SA panel function		
<p><b>1.MAINS INPUT</b> Power input</p> <p><b>2.MAINS LINK</b> Power outout is connected in parallel with mains input and be used to power additional speakers.</p> <p><b>3.POWER SWITCH</b> Power on-off.</p> <p><b>4.SERVICE DATA</b> Only used by SOUND VISION customer service department.Pls don't insert any other USB.</p> <p><b>5.SIGNAL OUTPUT1</b> Signal output connect another speaker signal input.</p> <p><b>6.SIGNAL OUTPUT2</b> Signal output connect another speaker signal input.</p> <p><b>7.LCD DISPLAY</b> Display working status and DSP control interface.</p> <p><b>8.DSP KNOB</b> The knob for DSP presets.</p> <p><b>9.SIGNAL INPUT1</b> Connect LINE signal.</p> <p><b>10.SIGNAL INPUT2</b> Connect LINE signal.</p>		

# SPECIFICATION

<b>Flexy M</b>	62LA Active Line Array	15SA Active Subwoofer
<b>Type</b>	2 way active vented design	Active vented subwoofer
<b>Frequency Response</b>	65 ~ 20KHz	40 ~ 120Hz
<b>Maximum SPL</b>	132dB	134dB
<b>Crossover Point</b>	630Hz	Selectable 100Hz, 120Hz
<b>Sensitivity input Selectable</b>	+3dBV, 0dBV, -3dBV, -6dBV	-
<b>Driver LF</b>	6 x 4.2"woofer + 6 x 2" full range line array	15" subwoofer, 3" Voice Coil
<b>Dispersion Angle (H x V)</b>	H 120°x V10°	-
<b>Signal Connectors (I/O)</b>	Input : XLR   Output : XLR link	Input : 2 x XLR   Output : 2 x XLR link
<b>Power I/O</b>	POWERCON	POWERCON
<b>Volume</b>	-	-
<b>Amplifier</b>	Class-D	Class-D
<b>Power output (RMS)</b>	LF: 500W + HF: 500W TOTAL 1000W	1000W
<b>Power output (MAX)</b>	LF: 1000W + HF: 1000W TOTAL 2000W	2000W
<b>Feature functions</b>	DSP Setup	LCD with multiple DSP
	Switching power design	Switching power design
	LED power / signal / clip indicator	LED power / signal / clip indicator
	FIR filter design, flat phase curve	Phase switchable (0/180)
		Delay value adjust, 100ms max
<b>Cabinet</b>	Birch Plywood with polyurea painted finish	Birch Plywood with polyurea painted finish
<b>Grille</b>	1.0mm steel	1.5mm steel
<b>Pole support</b>	Double holes 35mm Steel bottom holder	M20 screw pole
<b>Rigging and handling</b>	Inter-enclosure angles 0,1,2,3,4,6,8,10°	Inter-enclosure angles 0° (Stacking)
<b>Built-in Pin Lock support</b>	5 points	4 points
<b>Flybar support</b>	Flybar+rope	-
<b>Fuse</b>	T4AL 250V	T6.35AL 250V
<b>Operating voltage</b>	AC 220V-240V, ~50/60Hz	AC 220V-240V, ~50/60Hz
<b>Dimensions (H x W x D)</b>	367 x 315 x 402mm	623 x 443 x 660mm
<b>Packed Dimensions (H x W x D)</b>	485 x 430 x 495mm	775 x 575 x 800mm
<b>Net Weight</b>	13.6kgs	37.5kgs
<b>Gross Weight</b>	18kgs/1pc	44kg/1pc

## SOUND VISION CO., LTD.

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