



SOUNDVISION FLEXY M 62LA Professional Line Array Speaker System User Manual

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SOUNDVISION FLEXY M 62LA Professional Line Array Speaker System







Specifications







Flexy M	62LA Active Line Array	15SA Active Subwoofer
Type	2 way active vented design	Active vented subwoofer
Frequency Response	65 ~ 20KHz	40 ~ 120Hz
Maximum SPL	132dB	134dB
Crossover Point	630Hz	Selectable 100Hz, 120Hz
Sensitivity input Selectable	+3dBV, 0dBV, -3dBV, -6dBV	-
Driver LF	6 x 4.2" woofer + 6 x 2" full range line array	15" subwoofer, 3" Voice Coil
Dispersion Angle (H x V)	H 120° x V 10°	-
Signal Connectors (I/O)	Input : XLR Output : XLR link	Input : 2 x XLR Output : 2 x XLR link
Power I/O	POWERCON	POWERCON
Volume	-	-
Amplifier	Class-D	Class-D
Power output (RMS)	LF: 500W + HF: 500W TOTAL 1000W	1000W
Power output (MAX)	LF: 1000W + HF: 1000W TOTAL 2000W	2000W
Feature functions	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
Cabinet	Birch Plywood with polyurea painted finish	Birch Plywood with polyurea painted finish
Grille	1.0mm steel	1.5mm steel






Pole support	Double holes 35mm Steel bottom holder	M20 screw pole
Rigging and handling	Inter-enclosure angles 0,1,2,3,4,6,8,10°	Inter-enclosure angles 0° (Stacking)
Built-in Pin Lock support	5 points	4 points
Flybar support	Flybar+rope	-
Fuse	T4AL 250V	T6.35AL 250V
Operating voltage	AC 220V-240V, ~50/60Hz	AC 220V-240V, ~50/60Hz
Dimensions (H x W x D)	367 x 315 x 402mm	623 x 443 x 660mm
Packed Dimensions (H x W x D)	485 x 430 x 495mm	775 x 575 x 800mm
Net Weight	13.6kgs	37.5kgs
Gross Weight	18kgs/1pc	44kg/1pc
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Gross Weight	18kgs/1pc	44kg/1pc









SAFETY GUIDELINES










INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS			
About WARNING and CAUTION Notices		About the Symbols	
 WARNING	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.
 CAUTION	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	
	Before using this unit, make sure to read the instructions below, and the Owner's Manual.
	Do not open (or modify in any way) the unit or its AC adaptor.
	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.
	Never use or store the unit in places that are: <ul style="list-style-type: none">●Subject to temperature extremes(e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are●Damp and humid(e.g., baths, washrooms, on wet floors); or are●Exposed to rain; or are●Dusty; or are●Subject to high levels of vibration.
	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.
	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.

WARNING	
	Use only the attached power-supply cord. Also, the supplied power cord must not be used with any other device.
	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.
	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.
	Do not allow any objects (e.g., flammable material, coins, pins); or liquids of any kind (water, soft drinks, etc.) to penetrate the unit.
	<p>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:</p> <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>

WARNING	
	Protect the unit from strong impact. (Do not drop it!)
	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.
	Before using the unit in a foreign country, consult with your retailer or the nearest authorized Service Center.
	Batteries must never be recharged, heated, taken apart, or thrown into fire or water.
	Only switching off the unit and unplugging from an outlet, the unit is powered off completely.
	The unit and the AC adaptor should be located so their location or position does not interfere with their proper ventilation.
	Always grasp only the plug on the AC adaptor cord when plugging into, or unplugging from, an outlet or this unit.
	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.

CAUTION	
	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.
	Never climb on top of, nor place heavy objects on the unit.
	Never handle the AC adaptor or its plugs with wet hands when plugging into, or unplugging from, an outlet or this unit.
	Before moving the unit, disconnect the AC adaptor and all cords coming from external devices.
	Before cleaning the unit, turn off the power and unplug the AC adaptor from the outlet.
	Whenever you suspect the possibility of lightning in your area, disconnect the AC adaptor from the outlet.
	<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"> ● Carefully follow the installation instructions for batteries, and make sure you observe the correct polarity. ● Avoid using new batteries together with used ones. ● 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. ● Never keep batteries together with metallic objects such as ballpoint pens, necklaces, hairpins, etc. ● Dispose of the waste battery according to national or local regulations regarding hazardous waste.
	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.

IMPORTANT NOTES

Power Supply: Use of Batteries

- Do not connect this unit to the 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 how 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.
- The AC adaptor will begin to generate heat after long hours of consecutive use. This is normal, and is not a cause for concern.
- 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.
- 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.
- Pet The ten I son I sos convenient it for a long time.

Note: Please charge the battery once a month regularly if not using it for a long period.

Placement

- Using the unit near the 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.
- This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers.
- 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.
- 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. Excessive heat can deform or discolor the unit.
- 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.
- Do not allow rubber, vinyl, or similar materials to remain on the unit for long periods. Such objects can discolor or otherwise harmfully affect the finish.
- Do not paste stickers, decals, or the like to this instrument Peeling such matter off the instrument may damage the exterior finish.

Maintenance

- For everyday cleaning wipe the unit with a soft, dry cloth or one that has been slightly dampened with water. To remove mild. non-abrasive detergent. Afterward, be sure to wipe the unit thoroughly with a soft, dry cloth.

- Never use benzine, thinners, alcohol, or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

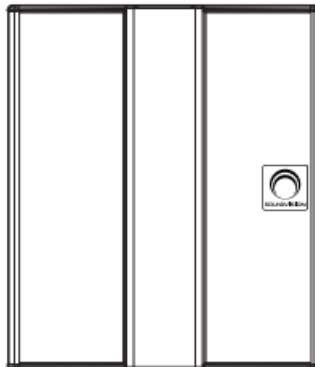
Additional Precautions

- 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.
- When connecting/disconnecting all cables, grasp the connector itself and pull on the cable. This way you will avoid causing shorts, or damage to the cable's internal elements.
- 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).
- 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.
- 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.

PRODUCT ANNOUNCEMENT

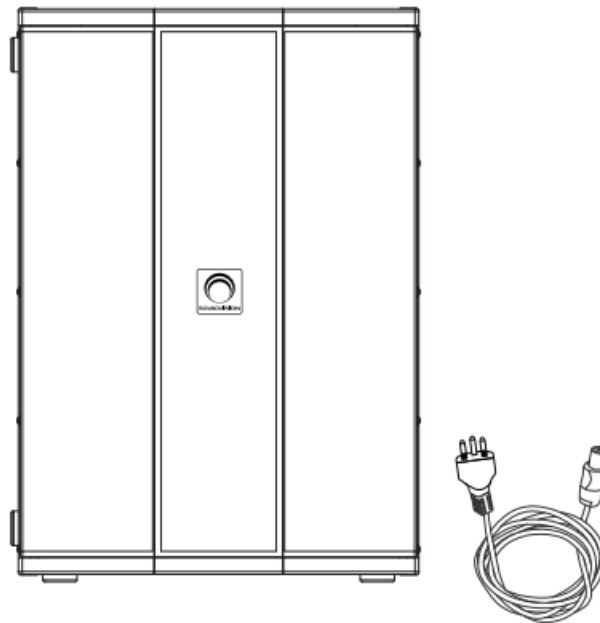
FLEXY M 62LA Products in the box

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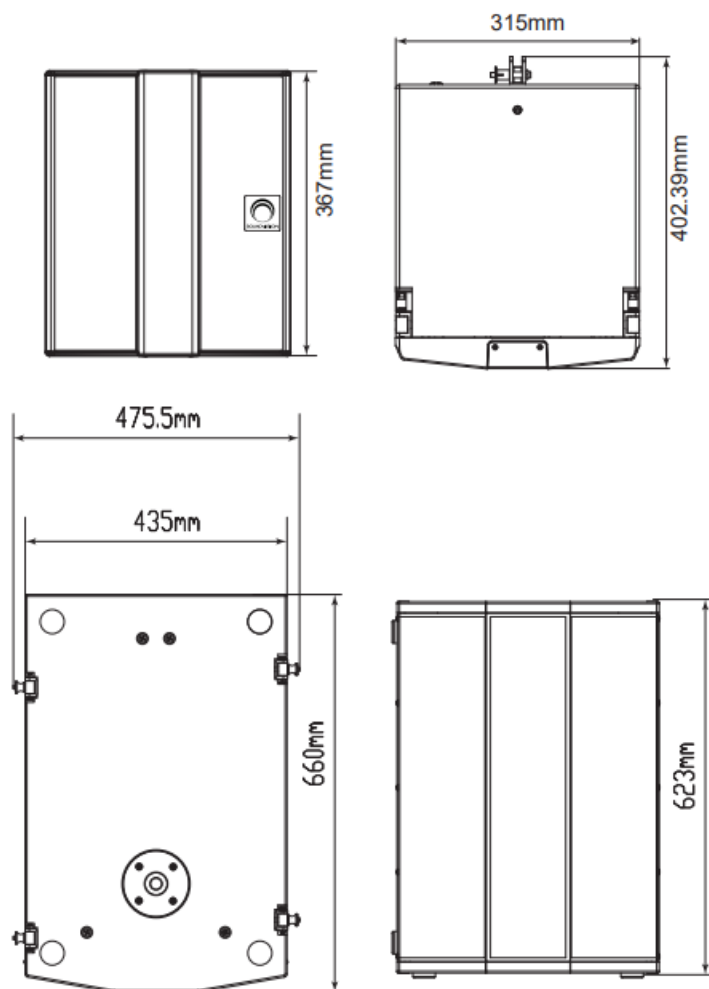


FLEXY M 62LA *1 Manual

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FLEXY M 15SA*1 Manual 3M power cable



ACCESSORIES

•



0.6M signal cable

-



2M signal cable

-



0.6M power cable

-



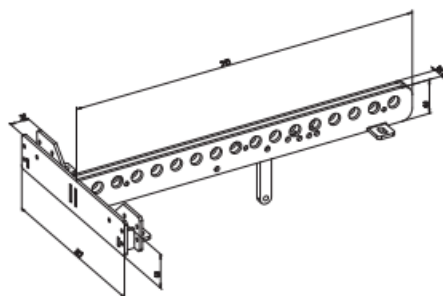
2M power cable

-



3M power cable

-



FLEXY M Flybar

-



FLEXY M Pole

CONFIGURATION

CONFIGURATION 1

- On-ground mode





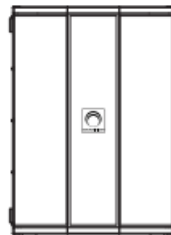
Speaker & Accessories

-



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

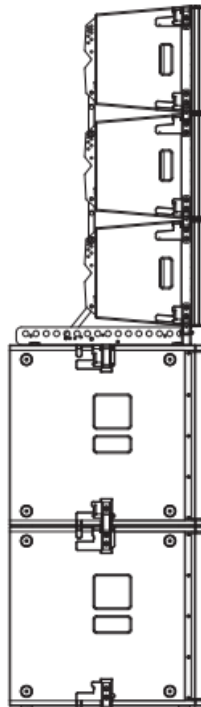
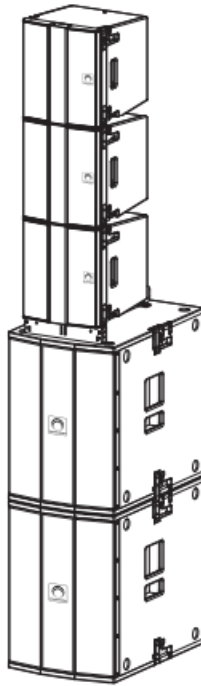
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2M power cable x1

CONFIGURATION 2

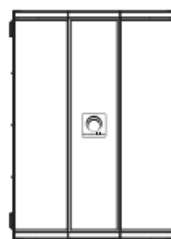
On-ground mode



•

FLEXY M 62LA x3

•



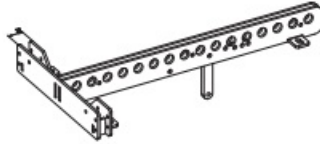
FLEXY M 15SA x2

-



3M power cable x1

-



FLEXY M Flybar

-



2M signal cable x2

-



0.6M signal cable x2

-



2M power cable x2

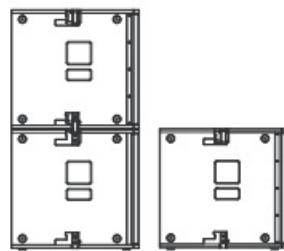
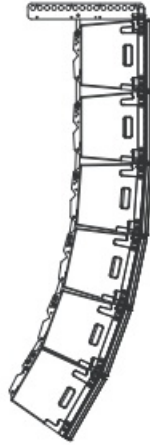
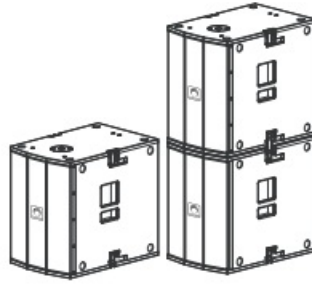
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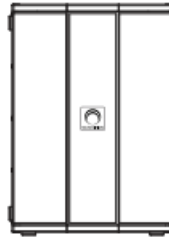
0.6M power cable x2

CONFIGURATION 3

Ground-hanging



FLEXY M 62LA x6



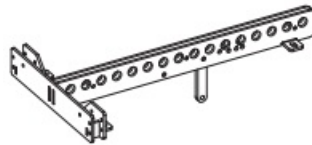
FLEXY M 15SA x3

-



3M power cable x1

-



FLEXY M Flybar

-



2M signal cable x3

-



0.6M signal cable x3

-



2M power cable x3

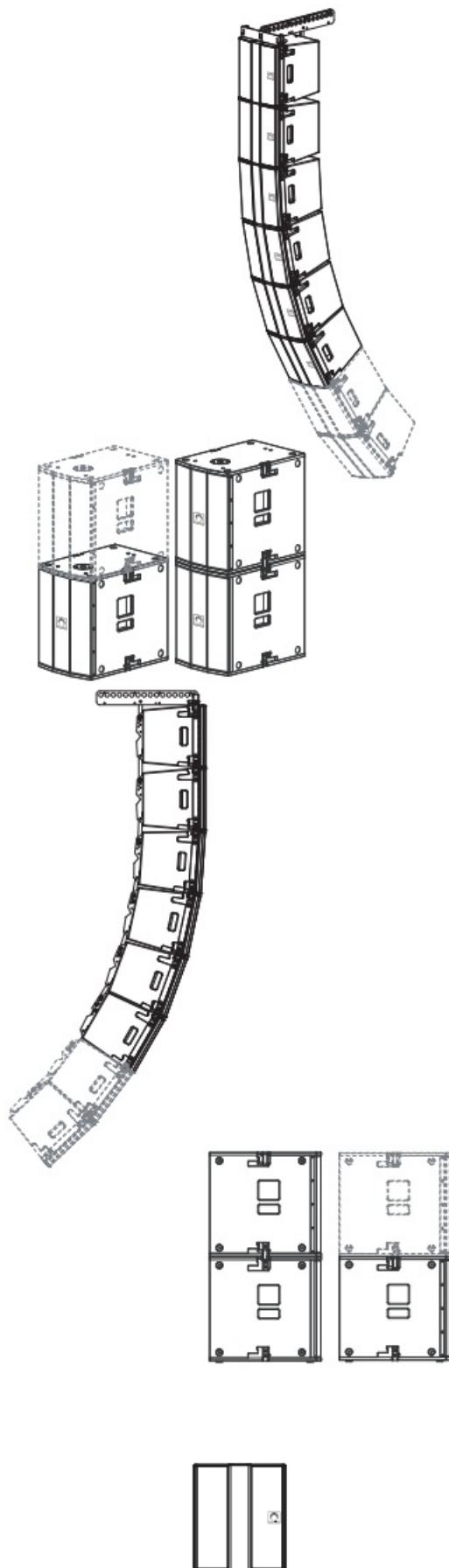
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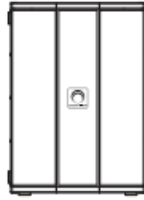
0.6M power cable x3

CONFIGURATION 4

Ground-hanging



FLEXY 62LA 6



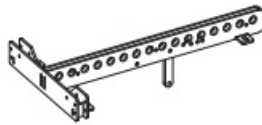
FLEXY M 15SA 3

-



3M power cable x1

-



FLEXY M Flybar

-



2M signal cable 3

-



0.6M signal cable 5

-



2M power cable 3

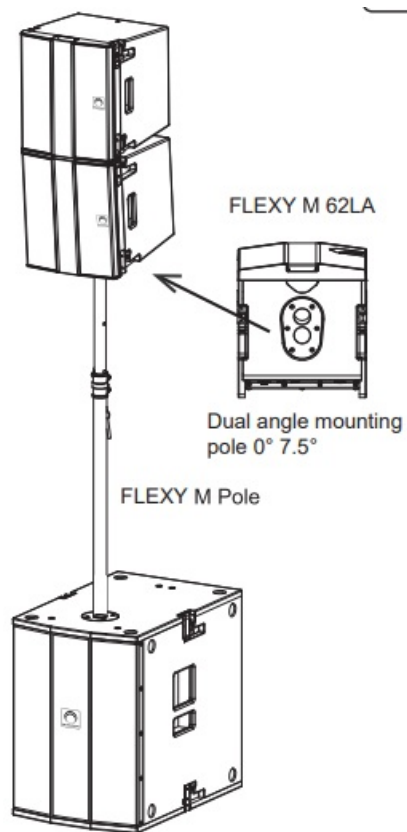
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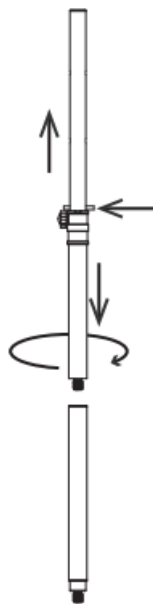
0.6M power cable 5

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.

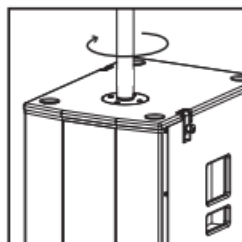


1.



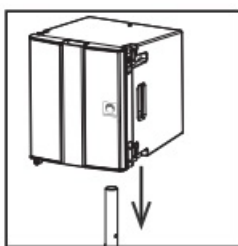
connect pole, adjust pole height

2.



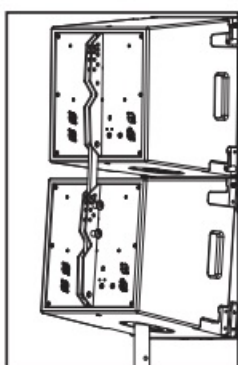
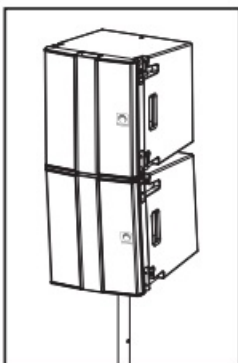
assemble pole in FLEXY M 15SA

3.



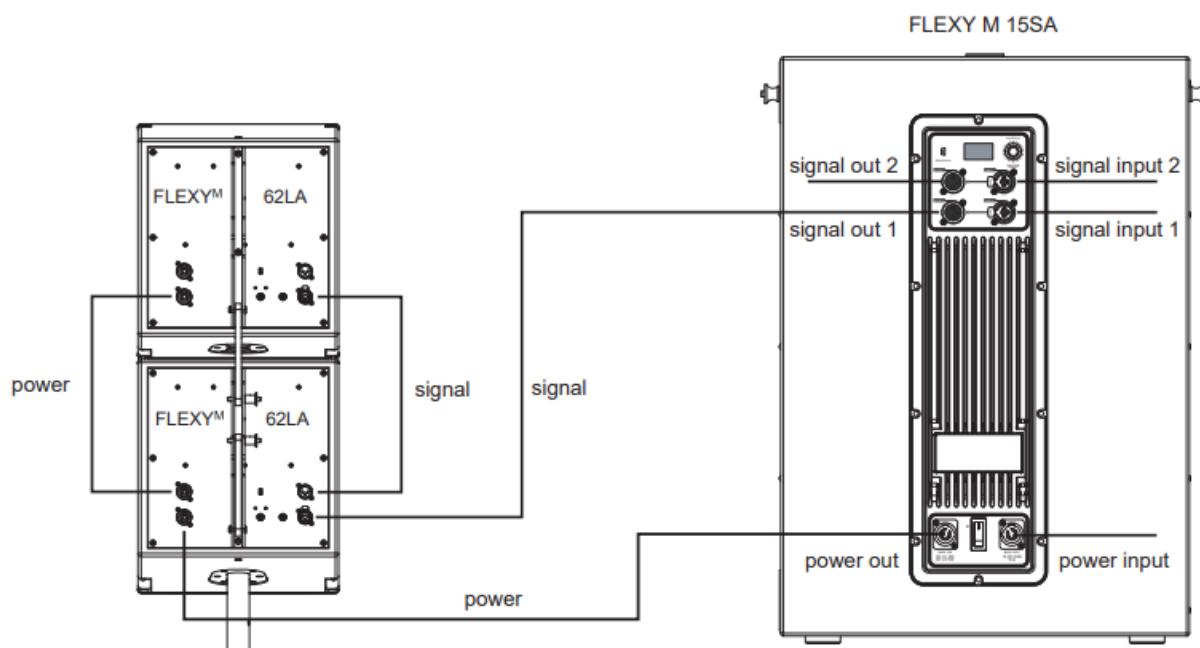
FLEXY 62LA fix in mounting pole 7.5°

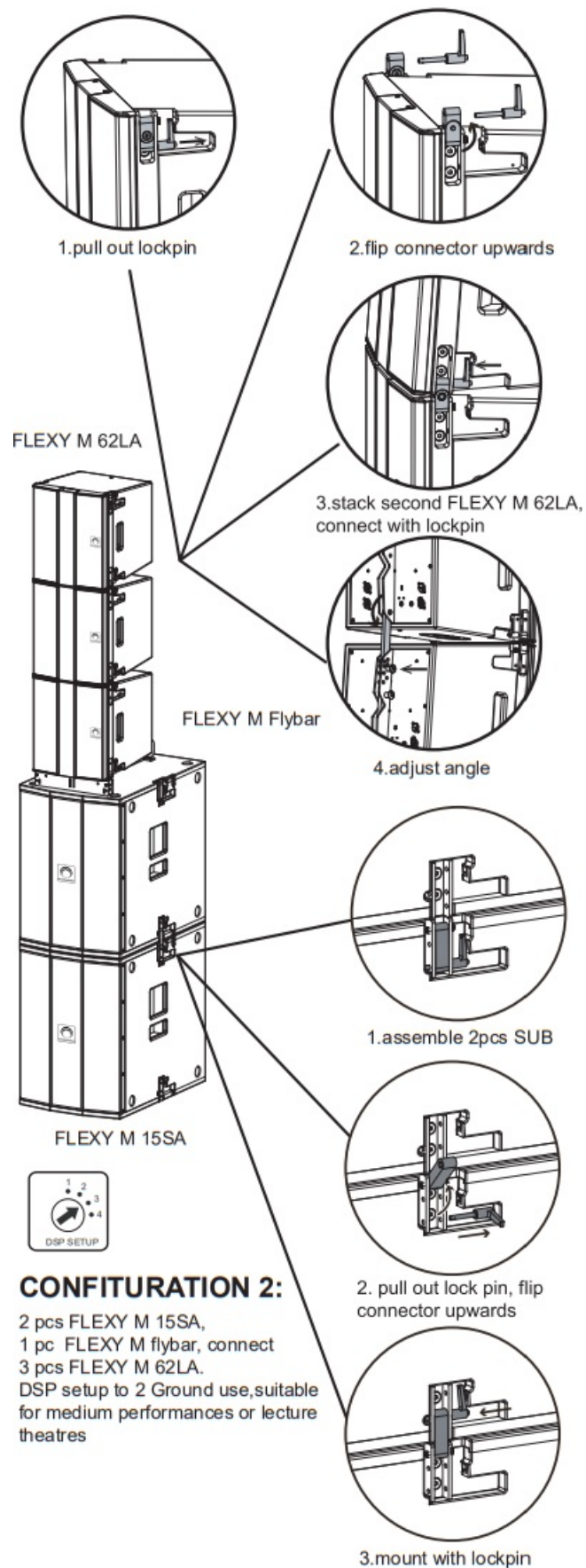
4.



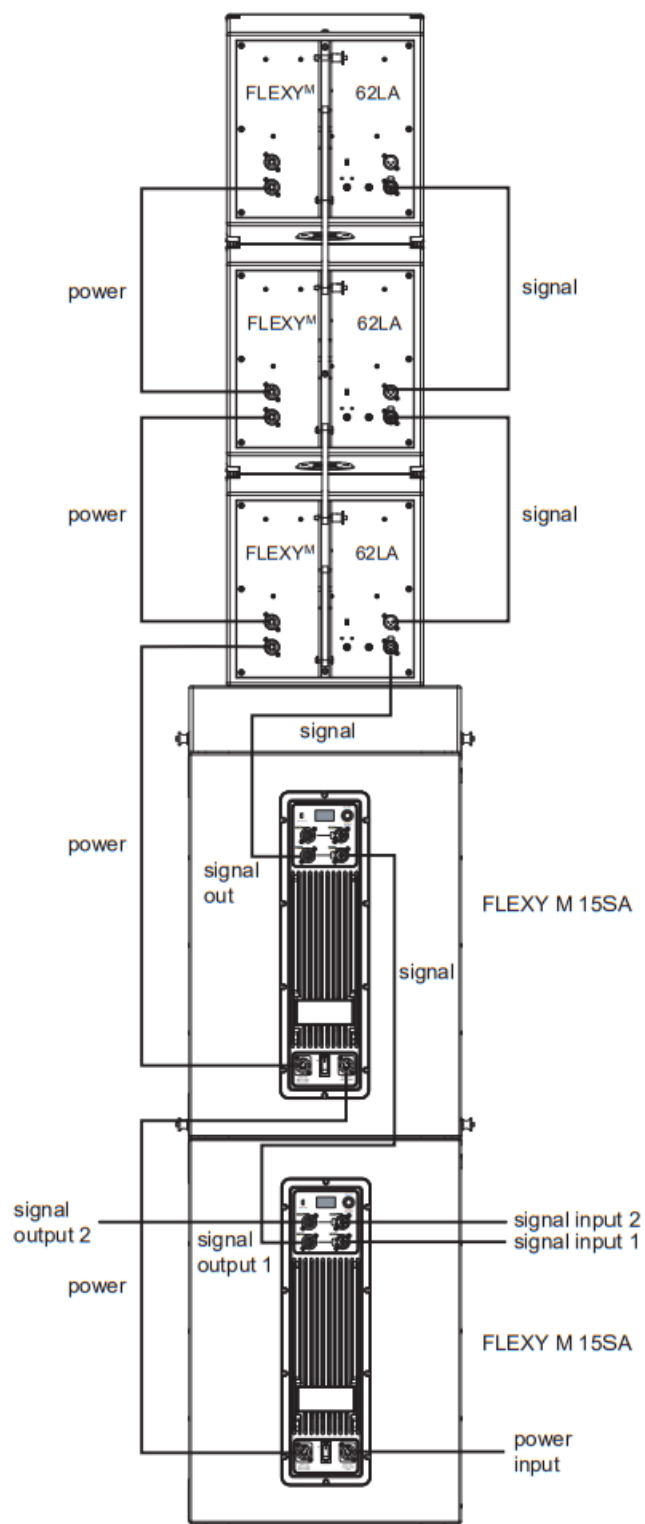
Stack second FLEXY M 62LA speaker, select desired throw angles

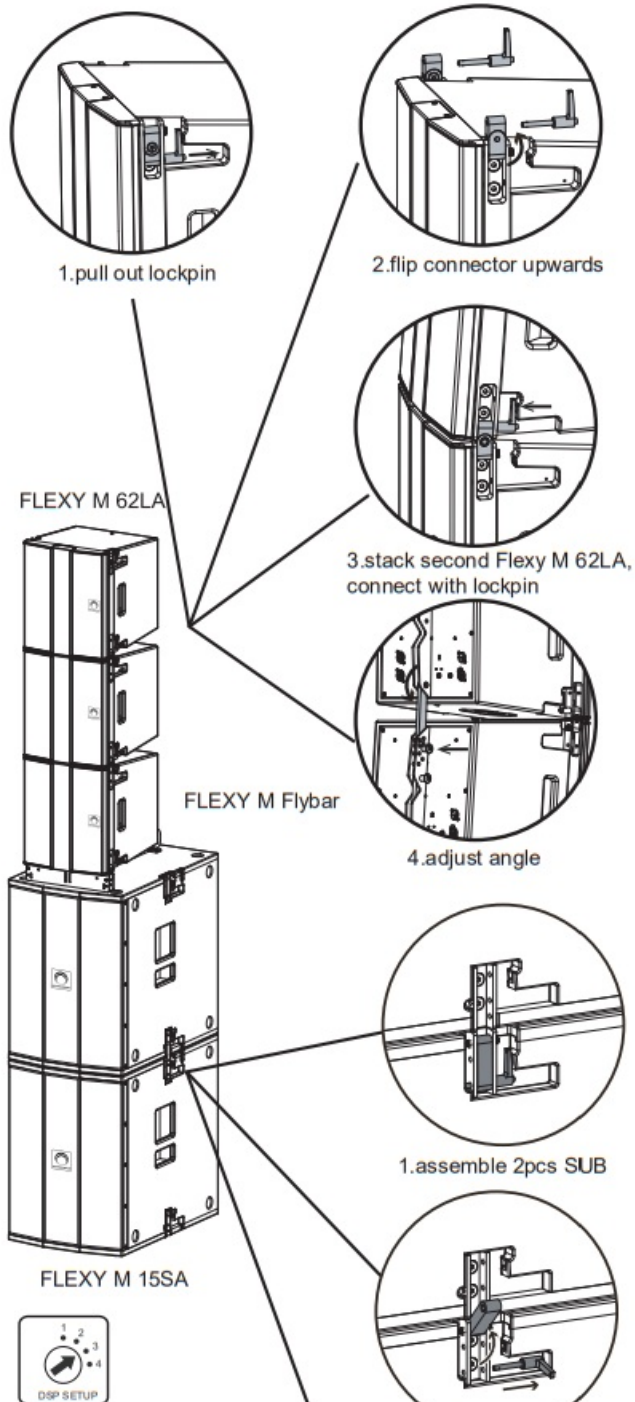
POWER AND SIGNAL CONNECT





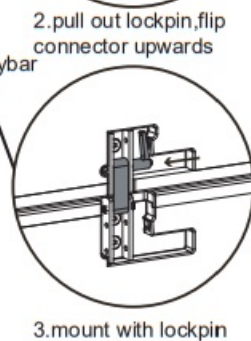
POWER AND SIGNAL CONNECT

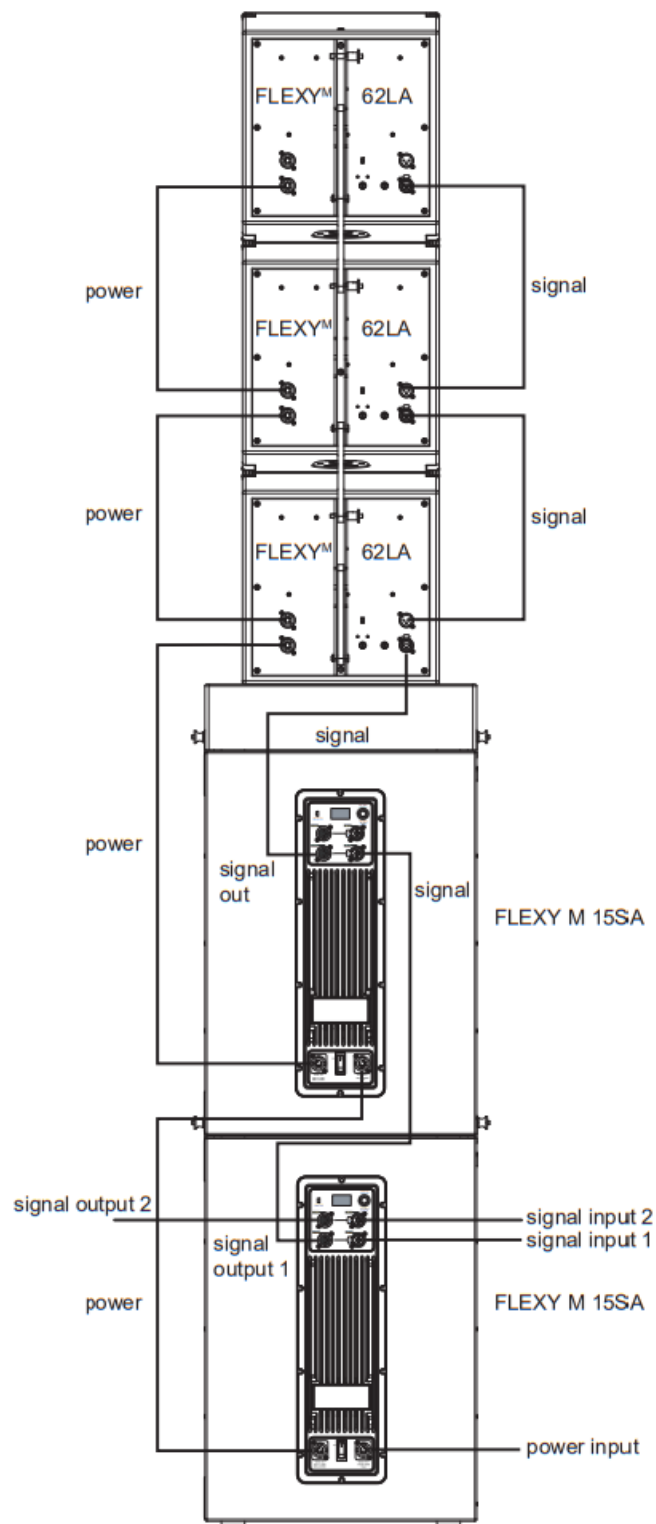


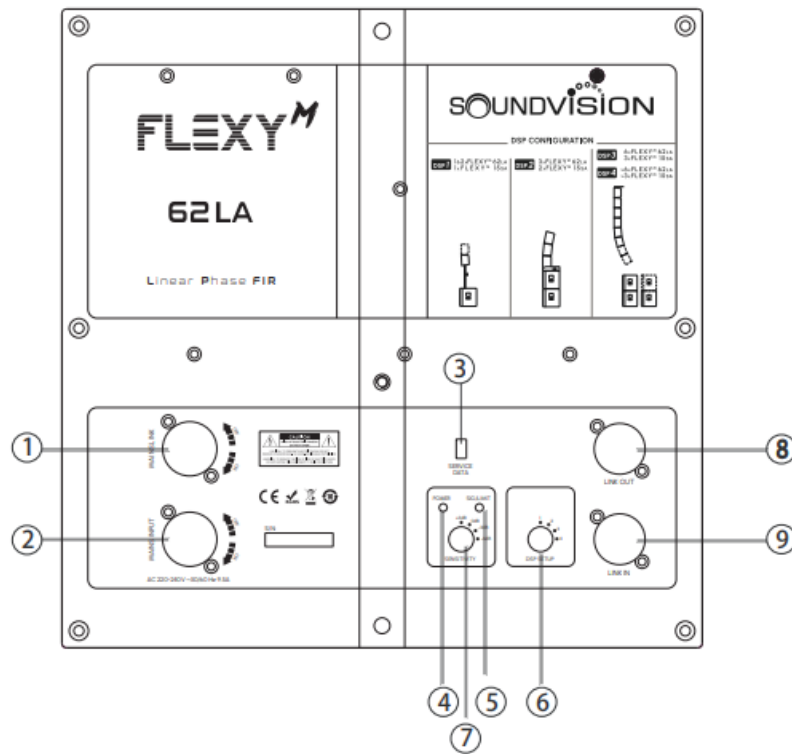


CONFITURATION 2:

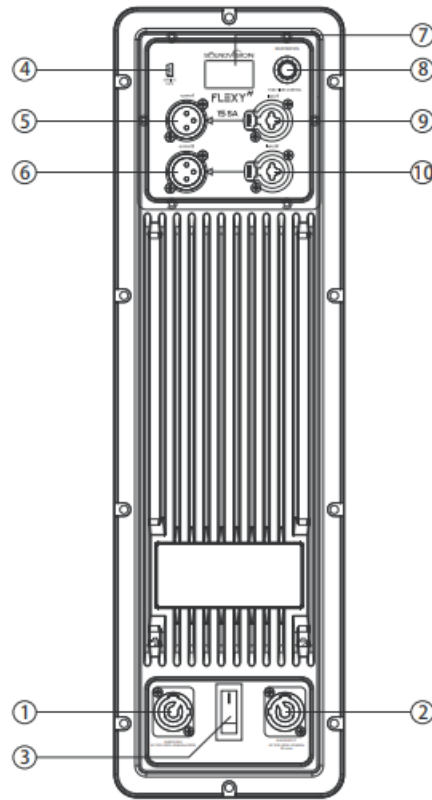
2pcs FLEXY M 15SA, 1pcs FLEXY M Flybar, connect 3pcs FLEXY M 62LA. DSP setup to 2 Ground use, suitable for medium performances or lecture theatres







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



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

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Support: 02-433-9988

LINE Official: @soundvisionpro

Email: info@soundvision.co.th

www.soundvisionpro.com

FAQs

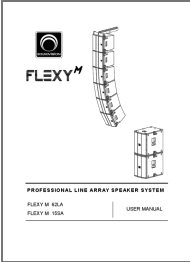
Q: How many configurations are available for setting up the FLEXY speaker system?

A: There are four main configurations outlined in the manual, each catering to different setups and requirements.

Q: What is the purpose of the FIR filter technology in the FLEXY M 62LA speaker?

A: The FIR filter technology helps maintain phase consistency across different frequency bands, ensuring a balanced sound output.

Documents / Resources

	<p>SOUNDVISION FLEXY M 62LA Professional Line Array Speaker System [pdf] User Manual FLEXY M 62LA, FLEXY M 62LA Professional Line Array Speaker System, Professional Line Array Speaker System, Line Array Speaker System, Array Speaker System, Speaker System</p>
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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