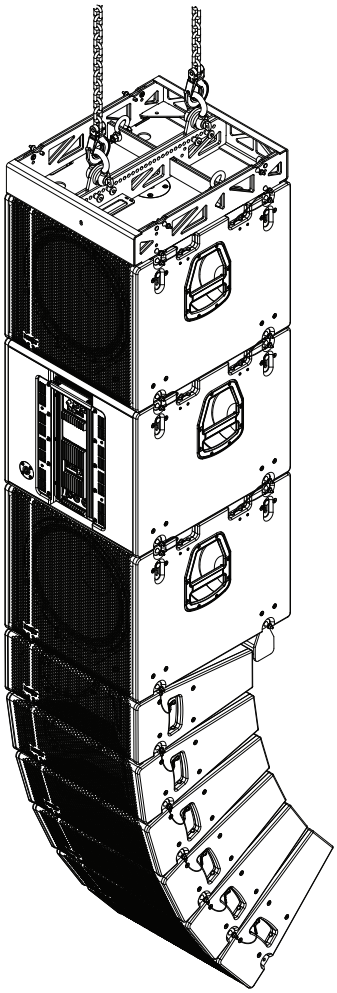


LA26 / LAs15(A)
USER MANUAL

V202003

Thank you for purchasing NEXT-proaudio Speakers and their associated products.
Please carefully follow the instructions in this manual to ensure long, trouble-free use of your equipment.

CONTENTS

CONTENTS

INTRODUCTION

Thank you for purchasing a NEXT LA26/LAs15(A) Line Array element. This manual will provide you with useful and important information about your NEXT LA26/LAs15(A) element. Please devote some time reading this manual, and keep it at hand for future reference. NEXT-proaudio is concerned with your safety and well-being, so please follow all instructions and heed all warnings. Also, a better understanding of some specific features of the LA26/LAs15(A) line array element will help you to operate your system to its full potential. With a continuous evolution of techniques and standards, NEXT-proaudio, reserves the right to change the specifications of its products without early warning. For the most current data, please visit our website: www.next-proaudio.com

UNPACKING

Each NEXT LA26/LAs15(A) line array element is built in Europe (Portugal) by NEXT-proaudio, to the highest standard and thoroughly inspected before it leaves the factory. When unpacking the NEXT LA26/LAs15(A), examine it carefully for any signs of possible transit damage and inform your dealer immediately if any such damage is found.

It is suggested that you retain the original packaging so that the system can be repacked in the future if necessary. Please note that NEXT-proaudio and its authorized distributors cannot accept any responsibility for damage to any returned product through the use of non-approved packaging.

LA SERIES OVERVIEW

The LA26, LAs15 and LAs15A are part of the NEXT-proaudio LA series. LA26 it's an ultra-compact line array element that incorporates an impressive battery of high technology features that makes it able to achieve an unprecedented level of performance on compact line array systems.

The LA26 houses two 6.5" neodymium Planar Diaphragm drivers located in the side walls of the HF Oblate Spheroidal Waveguide, a 2" diaphragm HF neodymium driver and a passive network crossover presenting a nominal input impedance of 16Ω.

The LF Planar Diaphragm drivers, and its special placement, integrated on the Spheroidal Waveguide, reduces the cavity effect, associated with traditional cone speakers, radiating sound energy smooth and evenly over the entire coverage area. This special arrangement perfectly combines the HF and LF acoustic centres to generate precisely coherent wave fronts uniformly spread in the horizontal plane and precisely coupled in the vertical plane.

The LA26 was designed to be incredibly versatile solving the needs of production companies, rental houses, theatres, houses of worship, working as main system, front fill, side array or as complement of larger-scale LA systems.

For low frequency extension LAs15 or LAs15A, active subwoofer, can be used. The LAs15A is capable to process and power up to three LA26 passive line array elements.

SAFETY FIRST

• Try not to operate the LA26 or LAs15(A) under heavy rain or moisture.

• Do not expose the systems to extreme heat or cold conditions to prevent component damage.

• Never place your speaker in a way that prevents air flow near to the side bass reflex ports. A minimum clearance distance of 10cm should be kept between the ports and any near surface.

• Place cables in a way that they do not present a trip hazard.

• Do not place any objects on top of the speaker, they can fall accidentally and cause injuries.

• Do not attempt to move the speaker while connected.

• Do not attempt to service the speaker beyond what is described in this manual. All other service or repair of this product should be carried only by qualified personnel.

• To prevent electric shock, do not use any extension cord, receptacle or other outlets where the blades of the connectors cannot be fully inserted.

• Do not operate the unit for an extended period of time with the sound distorting.

• When connecting several speakers, make sure that all the speakers have the same polarity and that the amplifier is not overloaded.

• Always ensure that the floor or structure where the stack will be placed is even and can withstand the weight of the complete stack.

• Do not stack speakers too high, especially outdoors where winds could topple the stack.

RIGGING AND SUSPENSION SAFETY CONSIDERATIONS

• Before rigging or suspending NEXT LA26/LAs15(A) systems, inspect all components and all hardware for any signs of damage or missing parts.

• If you find any damaged, corroded or deformed parts, do not use them, replace them immediately.

• Do not use any hardware with a safety factor lower than 4. Don't forget that the hardware won't just hold the systems weight, it has to be sturdy enough to handle dynamic forces like winds with no deformation.

• NEXT LA26/LAs15(A) system installation should only be carried out by qualified personnel.

• Always use adequate protective clothing and equipment to prevent possible injuries.

• Be sure you understand all local and national regulations regarding equipment installation.

• NEXT-proaudio is not responsible for any rigging equipment or accessories provided by third party manufacturers. Ensure that the Working Load Limit (WLL) of the whole rigging parts is respected.

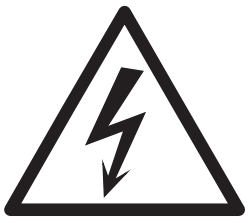
• Failure to comply with these instructions may result on injury or death.

SAFETY FIRST

DANGER - HEARING DAMAGE

CAUTION
HIGH SPL

LA Series systems are capable of producing extremely high sound pressure levels and should be used with care. Hearing loss is cumulative and can result from levels above 90dB if people are exposed for a long period. Never stand close to loudspeakers driven at high levels.

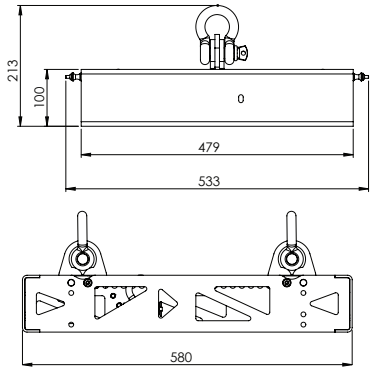
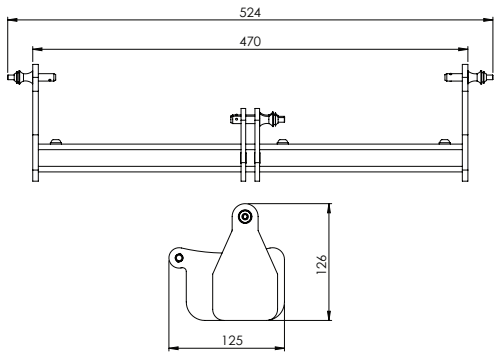
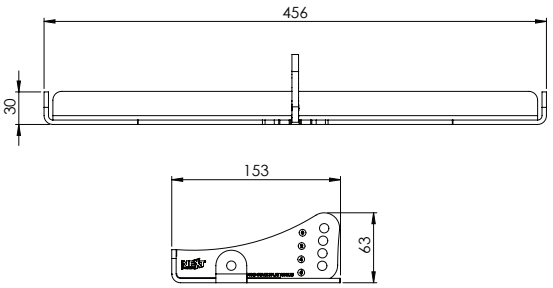
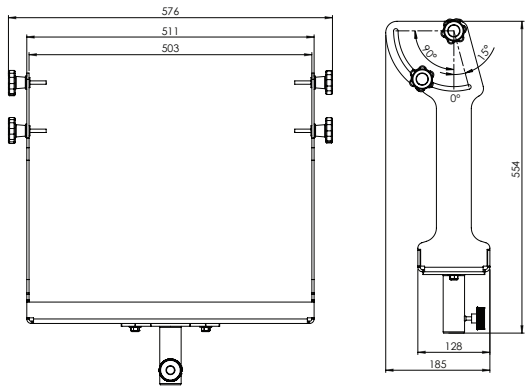


CAUTION

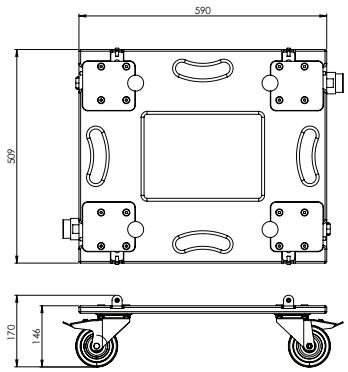
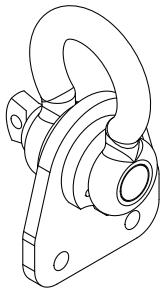
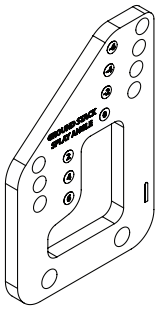
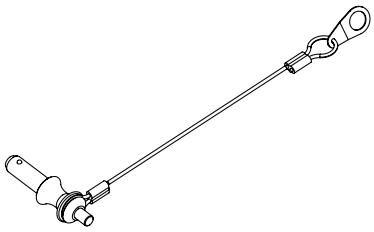
RISK OF ELECTRIC SHOCK
DO NOT OPEN

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER
NO USER SERVICEABLE PARTS INSIDE
REFER SERVICE TO QUALIFIED PERSONNEL

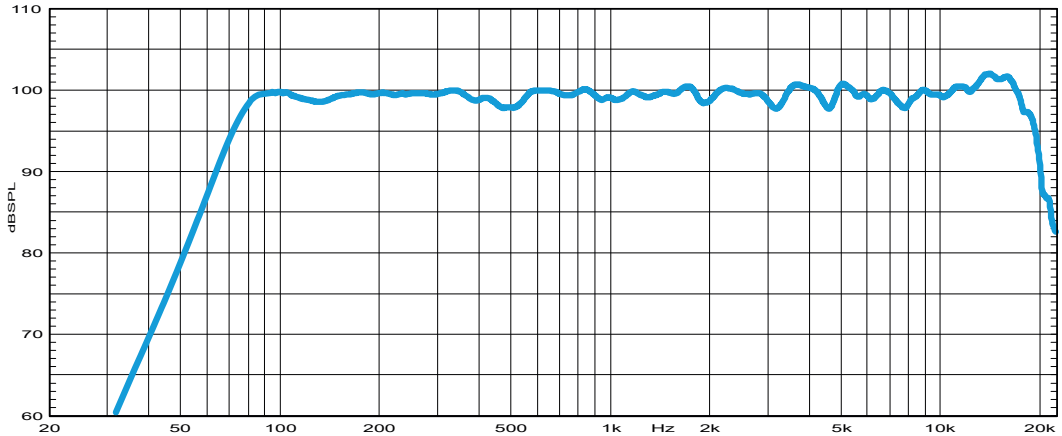
LA26/LAs15(A) ACCESSORIES

Dimensions	Description	Reference
	Flying Frame for LA26/LAs15(A)	NC18207
	Flying Adapter between LA26 and LAs15(A)	NC66207
	Ground Stack Sub Adapter for LA26	NC67207
	U-Shape Bracket for LA26	NC18207

ACCESSORIES

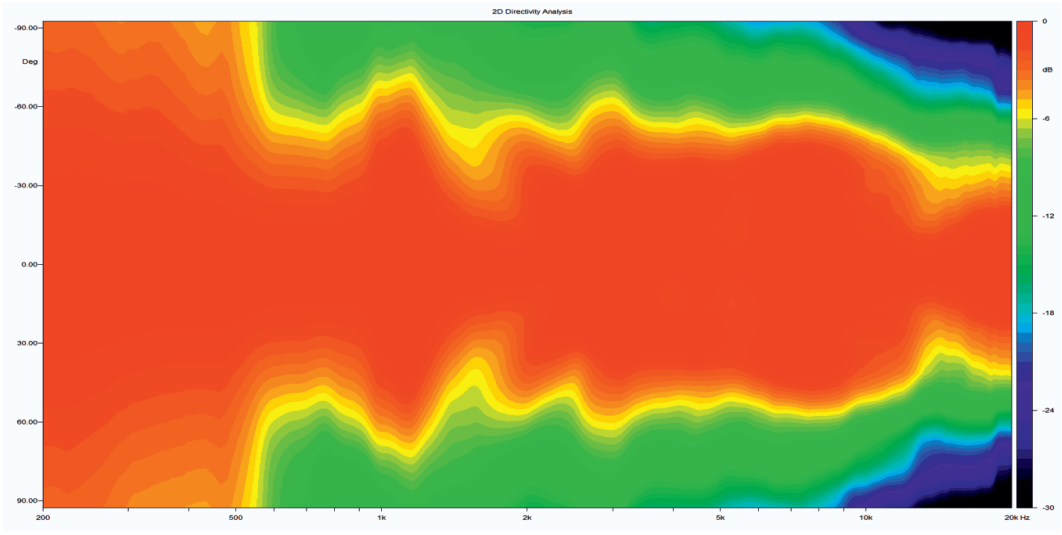
Dimensions	Description	Reference
	LAs15(A) Dolly	NC75216
	Rigging Shackle	
	Ground Stack Accessory	NC65207
	8mm/10mm Lock Pin	VP60057 VP60053

ELECTRO-ACOUSTICAL PERFORMANCE



Frequency Response

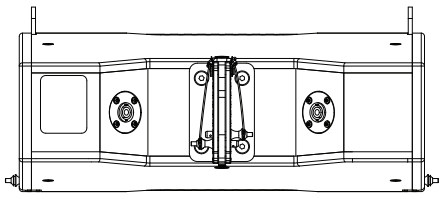
Sensitivity curve of a single LA26 cabinet (Full-Range Operation) using NEXT-proaudio's audio processing. The measurement was made in anechoic environment at 1W@1m.



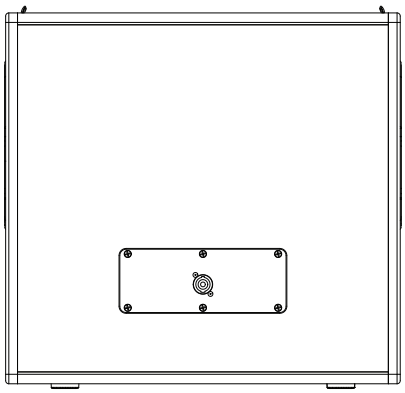
Horizontal Directivity Analysis

NEXT-proaudio's LA26 has a nominal horizontal coverage of 100º and 12º on the vertical axis. The yellow region represents the -6dB.

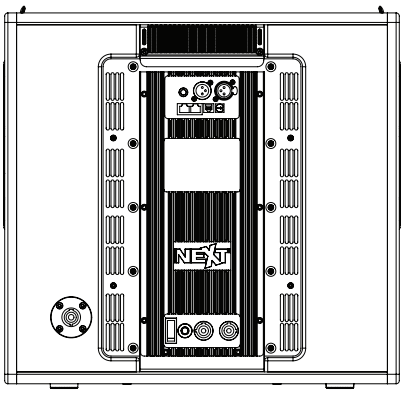
LA26 / LAs15 / LAs15A CONNECTORS



LA26



LAs15



LAs15A

All the speakON NL4 are connected to 1+ 1-. The other pins are **not** connected.

The LA26 has two NL4 internally linked.

The LAs15A has one XLR signal input, one XLR signal output and a NL4 connector to power **up to 3** LA26.

PASSIVE SYSTEM

The passive systems must use NEXT-proaudio's N-RAK. The recommended models are N-RAK 6 or N-RAK12 depending on the system' size.

SYSTEM	4 x 2	6 x 2	9 x 3	12 x 4
N-RAK MODEL	N-RAK 6	N-RAK 6	N-RAK 12	N-RAK 12
N-RAK SUB OUT	1 to 2	1 to 2	1 to 3	1 to 4
N-RAK ARRAY OUT	A (4xLA26)	A (6xLA26)	A (3xLA26) B (6xLA26)	A (6xLA26) B (6xLA26)
AMPLIFIER CHANNEL DISTRIBUTION	**AMP 1** CH1 - 1xLAs15 CH2 - 1xLAs15 CH3 - 2xLA26 CH4 - 2xLA26	**AMP 1** CH1 - 1xLAs15 CH2 - 1xLAs15 CH3 - 3xLA26 CH4 - 3xLA26	**AMP 1** CH1 - 1xLAs15 CH2 - 1xLAs15 CH3 - 2xLA26 CH4 - 1xLA26 **AMP 2** CH1 - 1xLAs15 CH2 - NC CH3 - 3xLA26 CH4 - 3xLA26	**AMP 1** CH1 - 1xLAs15 CH2 - 1xLAs15 CH3 - 3xLA26 CH4 - 3xLA26 **AMP 2** CH1 - 1xLAs15 CH2 - 1xLAs15 CH3 - 3xLA26 CH4 - 3xLA26

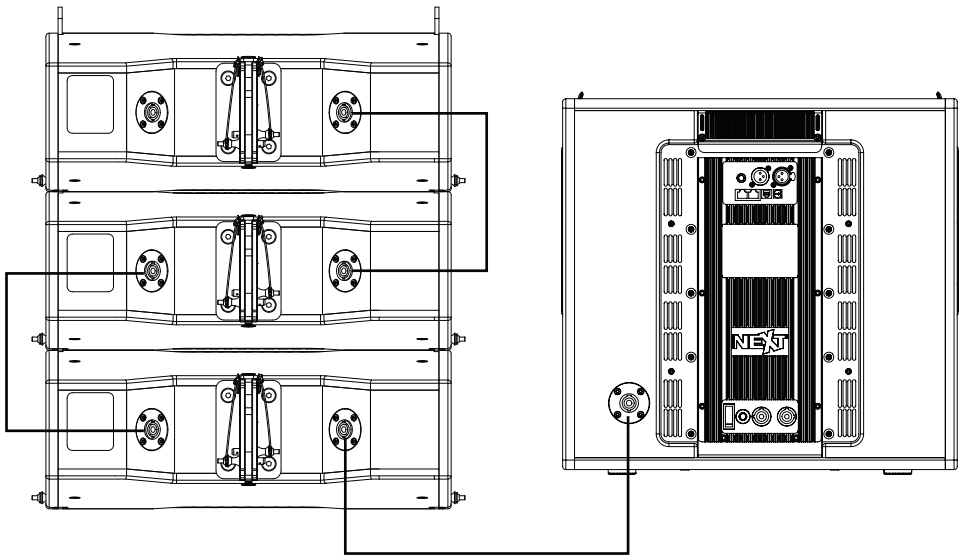
EXTENDING RANGE WITH PASSIVE SUBWOOFER

The passive system's frequency range can be extended to lower frequencies adding a LAs418 (2x4ohm).
In that case, the LAs15's High-Pass Filter must be changed to 60Hz - 24dB/oct Linkwitz-Riley.
Connect the LAs418 (2x4ohm) using a NL4 connector with 4 conductors cable.
Match the Low-Pass Filter of the LAs418 with the LAs15's High-Pass Filter.
Any of the N-RAK models can be used to power the extending range subwoofers.

# LAs418(2x4ohm)	2	4	4	8
N-RAK MODEL	N-RAK 6	N-RAK 12	N-RAK 40	N-RAK 80
N-RAK SUB OUT	1 and 5	1, 5, 3, 7	1 to 4	1 to 8
AMPLIFIER CHANNEL DISTRIBUTION	**AMP 1** CH1 - LAs418(1) LF1 CH2 - LAs418(1) LF2 CH3 - LAs418(2) LF1 CH4 - LAs418(2) LF2	**AMP 1** CH1 - LAs418(1) LF1 CH2 - LAs418(1) LF2 CH3 - LAs418(2) LF1 CH4 - LAs418(2) LF2 **AMP 2** CH1 - LAs418(3) LF1 CH2 - LAs418(3) LF2 CH3 - LAs418(4) LF1 CH4 - LAs418(4) LF2	**AMP 1** CH1 - LAs418(1) CH2 - LAs418(2) CH3 - LAs418(3) CH4 - LAs418(4)	**AMP 1** CH1 - LAs418(1) CH2 - LAs418(2) CH3 - LAs418(3) CH4 - LAs418(4) **AMP 2** CH1 - LAs418(5) CH2 - LAs418(6) CH3 - LAs418(7) CH4 - LAs418(8)

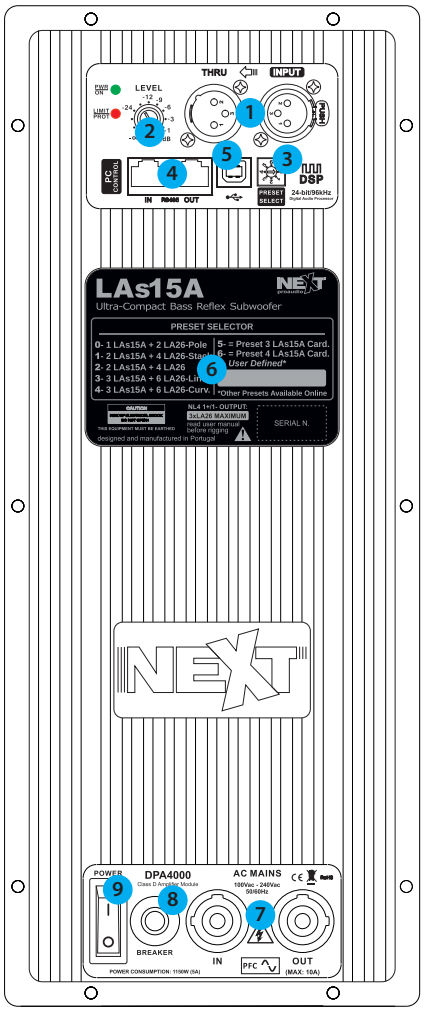
HYBRID SYSTEM

The hybrid consists on Active subwoofers (LAs15A) powering the passive LA26. Each LAs15A is capable of power up to 3 x LA26 cabinets. For increased headroom use 1:2 sub to top ratio.



POWER UP TO 3xLA26

DPA4000 POWER AMPLIFIER



The heart of the LAs15A is a powerful, light weight, highly efficient Class D power amplifier module (2x2000W), with PFC switched mode power supply, that delivers an impressive sonic punch with perfectly balanced, rich and transparent sound at any volume. The integrated Networkable DSP 24bit/96kHz provides 8 selectable memories (7 factory defined and 1 user defined) that can be accessed by an easy selector, located on the module front panel or real time edited by a PC, using the supplied SOUND-WARE software, via USB/RS485 remote control. This allows to easily customize the sound program, for various applications.
With the SOUNDWARE software it is possible to edit each one of the 7 pre-loaded configurations and store it in the free memory. Editable parameters are for example: input equalization, input delay, input High-pass and Low-pass filters, Subwoofer Level/Delay/Polarity, Satellite Level/Delay/Polarity. A total of 255 units can be controlled simultaneously by the software.

AMPLIFIER LAYOUT:

1 - Signal Input/Output
2 - Level Adjustment Potentiometer
3 - Preset Selector
4 - RS485 Communication Interface
5 - USB Communication Interface
6 - List of Available Presets
7 - AC Mains Power Input/Output
8 - Protection Circuit Breaker
9 - Power On/Off Switch

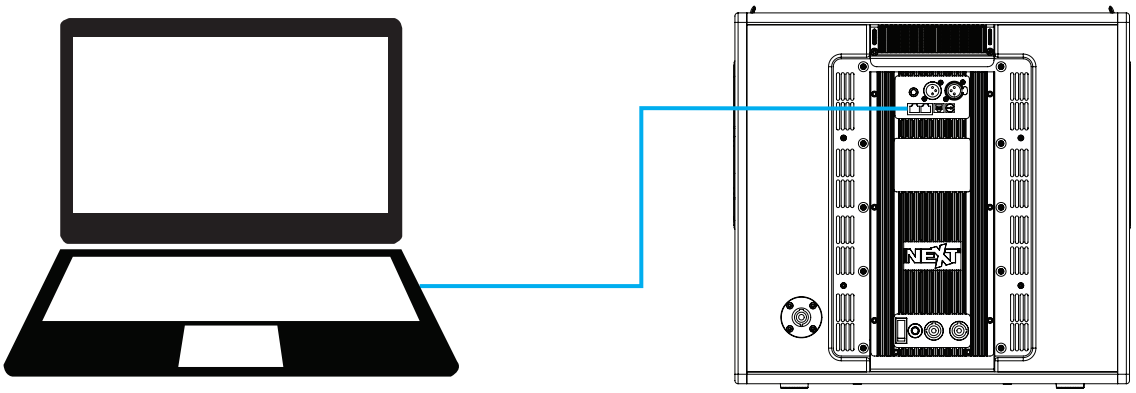
Never operate the LAs15A in a way that maintains the Limiter Led consistently on.

LAs15A PRESET LIST

0 - 1 LAs15A + 2 LA26-Pole: Flat Response for 1 Sub + 2 Tops mounted on a U-Bracket (connected to the sub using pole mount).
1 - 2 LAs15A + 4 LA26-Stack: Flat Response for 2 Subs + 4 Tops stacked
2 - 2 LAs15A + 4 LA26: Flat Array response for small size arrays. 2 Subs + 4 Tops Flown.
3 - 3 LAs15A + 6 LA26-Line: Flat Array response for medium size arrays. 3 Subs + 6 Tops Flown in line or with small curvature.
4 - 3 LAs15A + 6 LA26-Curv.: Flat Array response for medium size arrays. 3 Subs + 6 Tops Flown with medium to large curvature.
5 - = Preset 3 LAs15A Card.: This preset must be used on the same conditions as the preset 3 when a cardioid subwoofer arrangement is needed. This preset must be active on the reversed sub (NEXT-proaudio advises to reverse the middle one).
6 - = Preset 4 LAs15A Card.: This preset must be used on the same conditions as the preset 4 when a cardioid subwoofer arrangement is needed. This preset must be active on the reversed sub (NEXT-proaudio advises to reverse the middle one).
7 - User Defined: Free memory for user storage (Other presets are available online for download. Load the .sdat preset into this free memory.

LAs15A to PC Connection

LAs15A can be connected to a PC using a RS485-USB or USB-USB cable. It is possible to connect up to 255 Devices in a single network. Download and install SOUNDWARE 4.0 (http://next-proaudio.com/downloads) on the laptop, connect the laptop to the suboofer and launch the software.

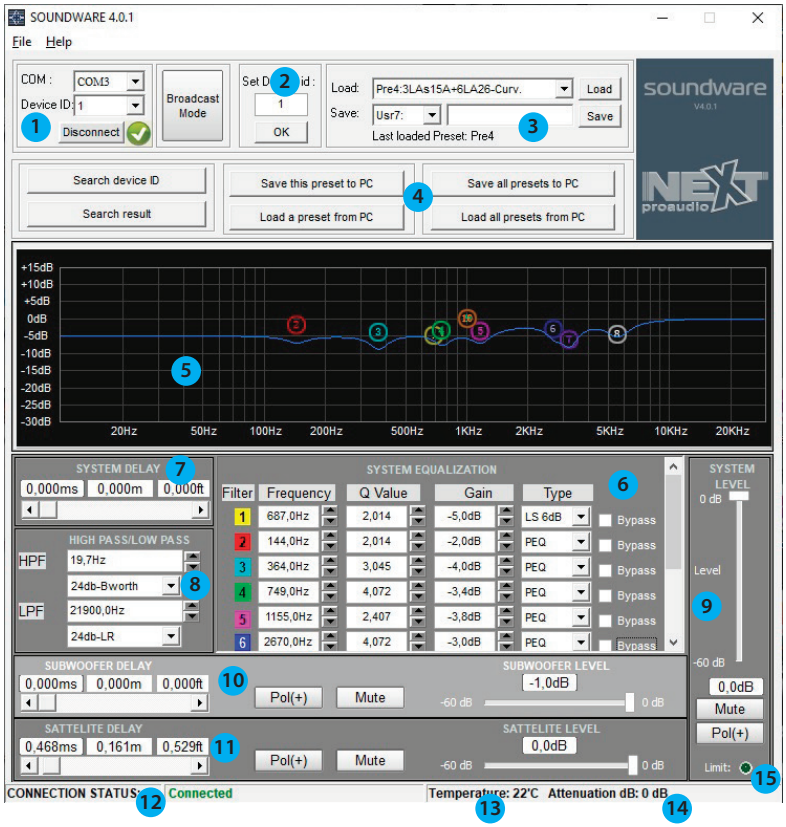


SOUNDWARE 4.0

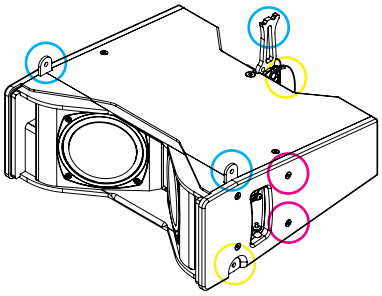
The soundware 4.0 is the supplied software to control and adjust the LAs15A.

SOFTWARE LAYOUT:

1 - Connection Panel
2 - Device ID Panel
3 - Preset Selection Panel
4 - Import/Export Presets
5 - PEQ Graphics
6 - System Equalization (SUB+TOP)
7 - System Delay (SUB+TOP)
8 - System HPF/LPF (SUB+TOP)
9 - System Level/Polarity (SUB+TOP)
10 - LAs15A Delay/Level/Polarity
11 - LA26 Delay/Level/Polarity
12 - Connection Status
13 - LAs15A Internal Temperature
14 - System Attenuation in case of High Temperature
15 - Limiter LED

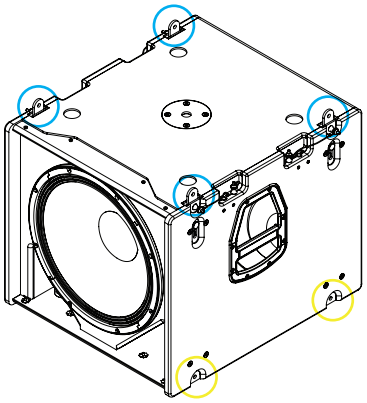


LA26 Rigging System



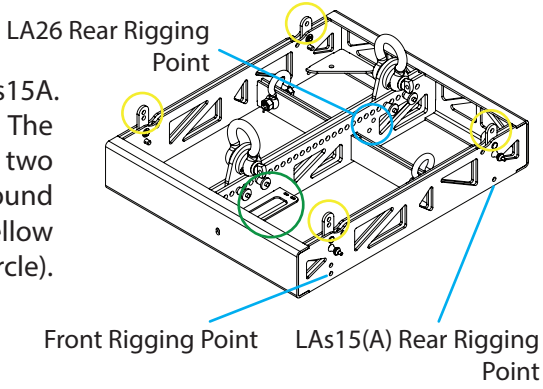
LA26 features a three-point rigging system composed of a rigging swivel arm at the back and a pair of rigid rigging hardware at the front sides. The inter-cabinet connection is ensured by fitting the “male” parts (blue circles) of the hardware into the next cabinet’s “female” parts (yellow circles). There are two screws at the speaker’s sides to attach a U-Bracket (pink circles).

LAs15/LAs15A Rigging System



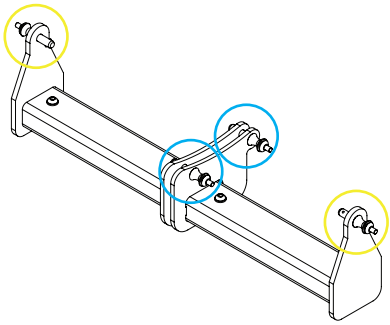
LAs15/LAs15A features a four-point rigging system composed of two pairs of rigging sliding arms, two at the back sides and a pair at the front sides. The inter-cabinet connection is ensured by fitting the “male” parts (blue circles) of the hardware into the next cabinet’s “female” parts (yellow circles).

Flying Frame for LA26



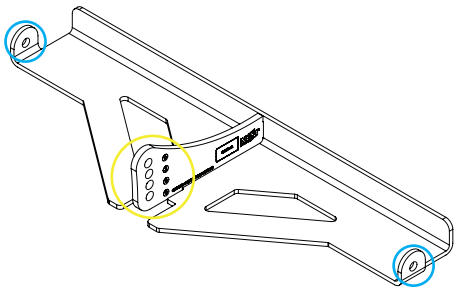
The flying frame is the device that allows to rig LA26 or LAs15/LAs15A. It is compatible with both 3-point and 4-point rigging systems. The frame has two sliding rigging shackles at the central bar and two safety schakles. This device can also stack LA26, using the ground stack accessory, or LAs15/LAs15A using the four swivel arms (yellow circles). It is also possible to attach a LAP-TEQ clinometer (green circle). Weight: 18.2kg

Flying Adapter between LA26 and LAs15(A)



The flying adapter is the device that allows to rig LA26 right after a LAs15/LAs15A without any further hardware. It results in a clean visual for the system seen from the front. This device has two connection points, at the sides, to connect to the LAs15/LAs15A rear rigging points (yellow circles). At the center, there are two rigging points where the LA26 swivel arm will fit (blue circles).

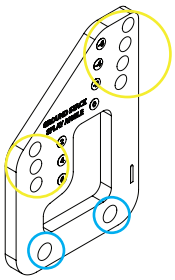
Ground Stack Sub Adapter for LA26



The ground stack sub adapter is the device that allows to stack LA26 right on top of a LAs15/LAs15A without any further hardware. It results in a clean visual for the system. This device has two connection points, at the sides, to connect to the LAs15/LAs15A rear rigging points (blue circles). At the center, there are four stacking points (0º, 2º, 4º, 6º) where the LA26 rigging hardware will fit (yellow circle).

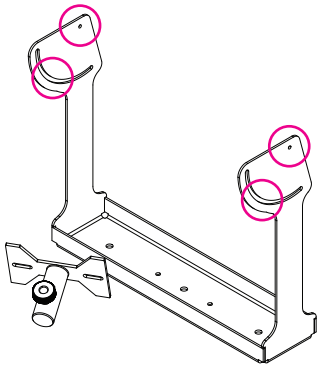
Ground Stack Accessory

The ground stack accessory is the device that allows to stack LA26 directly into the Flying Frame for LA26. There are two linking points at the bottom that will connect to the frame (blue circles). At the top, there are seven stacking points (-6º, -4º, -2º, 0º, 2º, 4º, 6º) where the LA26 rigging hardware will fit (yellow circles).



U-Shape Bracket for LA26

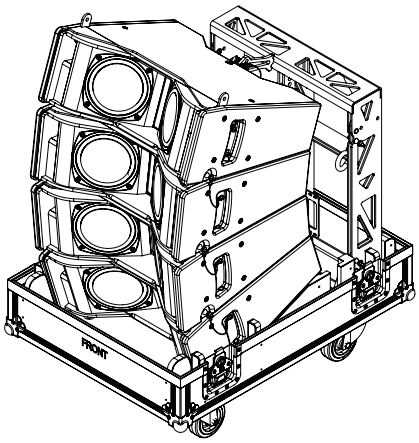
The U-Bracket can be used to secure up to three LA26 under a ceiling, a balcony or structure. Using the pole-mount adapter, the U-Shape Bracket can be used on a 35mm speaker pole. A maximum of two LA26 can be pole-mounted on a LAs15/LAs15A.
NEVER ATTACH IT TO A WALL!



Flight-case for LA26

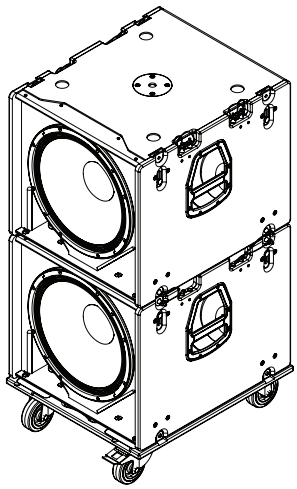
There are several types of flight-case configurations to easily transport the LA26 cabinets.

- Flight-case for 3 x LA26 + Flying Frame
- Flight-case for 4 x LA26 + Flying Frame
- Flight-case for 4 x LA26
- Flight-case for 2 x Flying Frame + 2 x Flying Adapter
- Flight-case for 2 x U-Bracket + 2 x Ground Stack Sub Adapter



Individual Dolly for LAs15(A)

The Individual Dolly for LAs15 can transport up to two LAs15/LAs15A. The subwoofers can perform while on dolly. There are 4 sliding arms that hold the LAs15 in place. To disconnect the subwoofer from the dolly, simply pull the lever and the sliding pins will automatically release the cabinet.



MECHANICAL LIMITS

MACHINERY DIRECTIVE

The LA Series rigging system complies with 2006/42/EC: Machinery Directive. This directive specifies a safety factor of 4 against the rupture. The configurations described in this user's manual achieve a safety factor of 4 or higher. The **safe limit** gives the maximum number of elements for which the safety factor is compliant with the 2006/42/EC: Machinery Directive, within the use defined in this manual and regardless of the other deployment parameters such as frame slope angle or cabinet's splay angles. The **maximum limit** gives the maximum number of elements for which the safety factor can be compliant with the 2006/42/EC: Machinery Directive, when the other deployment parameters provide the best mechanical conditions. Please use NEXT-proaudio's mechanical calculation software for further information.

FLOWN CONFIGURATIONS

Flying Frame for LA26

Cabinet	Safe Limit	Maximum Limit
LA26	8	20
LAs15/LAs15A	8	8

Flying Adapter Between LA26 and LAs15(A)

Cabinet	Safe Limit	Maximum Limit
LA26	6	6

U-Bracket

Cabinet	Safe Limit	Maximum Limit
LA26	3	3
LA26 Pole-mounted	2	2

STACKED CONFIGURATIONS

Flying Frame for LA26

Cabinet	Safe Limit	Maximum Limit
LA26	4	9

Ground Stack Sub Adapter for LA26

Cabinet	Safe Limit	Maximum Limit
LA26	6	6

ASSEMBLY - LA26 | FLYING FRAME FOR LA26

1 - Place a 4 x LA26 flight-case under the lifting point. Keep all the inter-enclosure angles at 12º.

2 - Remove all the safety pins from LA26 rear rigging hardware.

3 - Remove the lock pin from the rear rigging. Adjust the swivel arm for the desired splay angle (even or odd angles) and re-insert the lock pin at the desired splay angle. Keep the Safety lock pins out. Do this procedure one by one.

4 - Adjust the flying frame's rigging shackles to meet the best weight balance.

5 - Secure the flying frame to the LA26, starting from the front rigging, inserting two lock pins, one on each side. Swivel the rear rigging arm into the flying frame's slot and secure it with two lock pins.

6 - Lift the array. The inter-enclosure angles will automatically adjust to the previously settled angles.

7 - Insert the safety lock pins on the "S" positions corresponding to the splay angles (blue labelled holes).

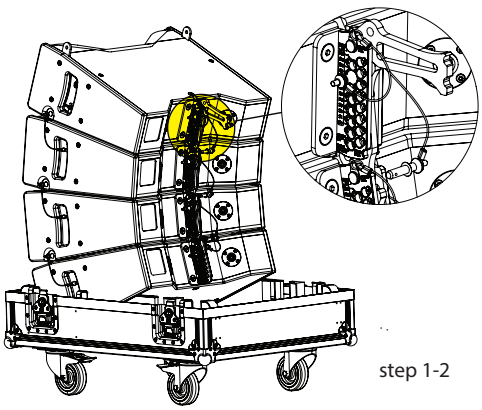
8 - Place another 4 x LA26 flight-case under the array. Keep all the inter-enclosure angles at 12º (on the flight-case cabinets). Lower the array until it meets the stacked one. **Do not rest the array on the stack.**

9 - Repeat steps 2 and 3.

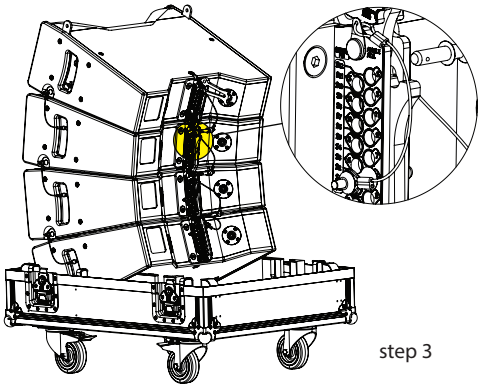
10 - Connect the array to the stack starting from the front rigging. Insert two lock pins, one on each side. Swivel the rear rigging arm into the last array speaker and insert the lock pin. Keep the safety lock pin out.

11 - Lift the entire system and insert the safety pins on the last enclosures.

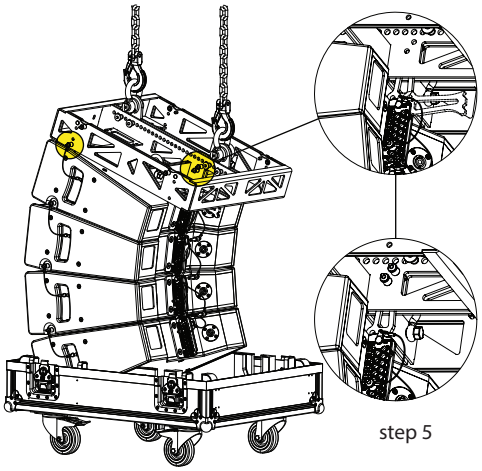
ATTENTION: This method can only be used up to 8 LA26. For bigger arrays, the enclosures must be connected one by one.



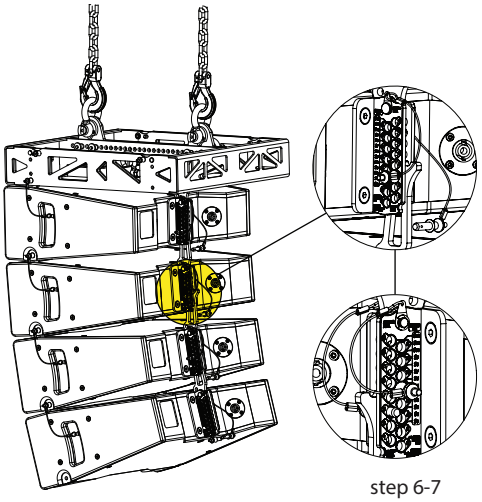
step 1-2



step 3



step 5



step 6-7

ASSEMBLY - LAs15(A) | FLYING FRAME FOR LA26

1 - Place a 2 x LAs15(A) dolly under the lifting point.

2 - Adjust the flying frame's rigging shackles to meet the best weight balance.

3 - Unlock the dolly's sliding lock plates (refer to page 18 step 1).

4 - Raise the four sliding rigging arms and lock it in place with a lock pin.

5 - Secure the flying frame to the LAs15(A) stack inserting the four rigging arms into the flying frame. Secure it with four locking pins, two at the front sides and two at the back sides.

6 - Lift the array.

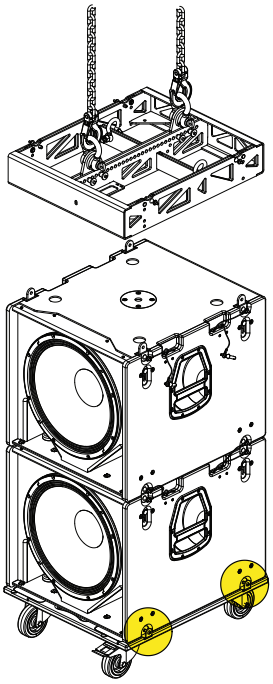
7 - Place another 2 x LAs15(A) dolly under the array. Lower the array until it meets the stacked one. Be sure that the array perfectly fits in place with the stacked one.

8 - Raise the four sliding rigging arms into the array. Insert four lock pins, one on each arm, on the upper cabinet (the other lock pins will be inserted on step 10).

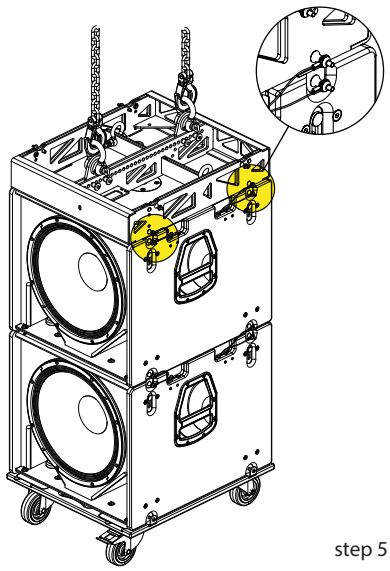
9 - Repeat step 3.

10 - Lift the entire system and insert the lock pins on the missing holes.

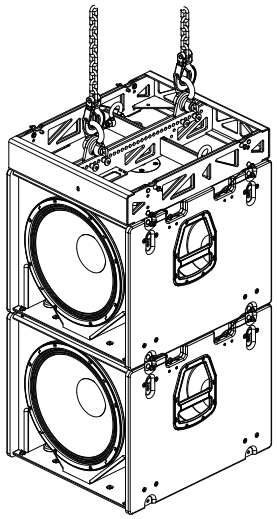
ATTENTION: For a cardioid setup just rotate the LAs15(A) by 180º. In case of active version, select preset 5 or 6.



step 1-4



step 5



step 6

ASSEMBLY - LAs15(A) | LA26 | FLYING ADAPTER BETWEEN LA26 AND LAs15(A)

1 - Lift the LAs15(A) array (refer to page 15).

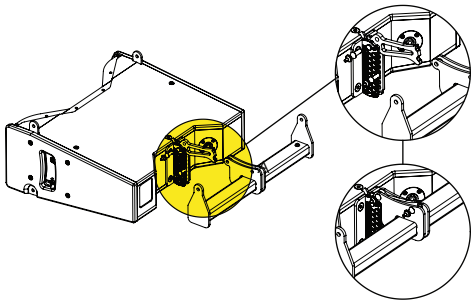
2 - Install the flying adapter onto the LA26's rear swivel arm. Secure it with two lock pins.

3 - Lower the subwoofer array up to a comfortable position to attach the LA26 cabinet.

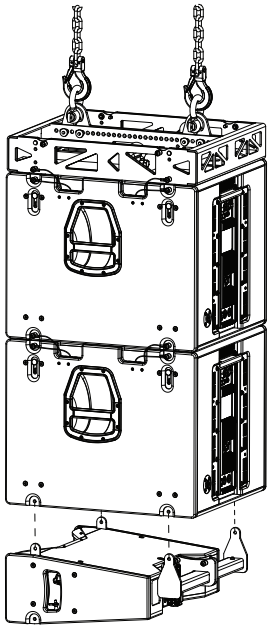
4 - Raise the LA26 and insert both rigging arms, front and back (flying adapter rigging arms), into the LAs15(A) rigging slots. Secure it with four lock pins, two at the front and two at the back sides.

5 - Continue the array assembly, the additional LA26 must be connected one by one.

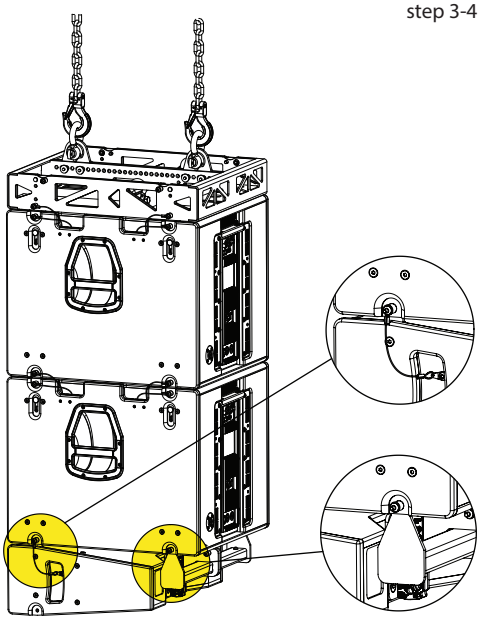
ATTENTION: The maximum limit is 6 x LA26. For bigger Arrays please use the Flying Frame between the LAs15(A) and LA26.



step 2



step 3-4



ASSEMBLY - LAs15(A) | LA26 | U-Shape Bracket for LA26

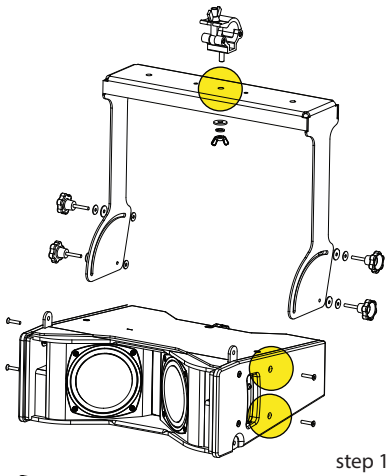
Under Balcony Application / 50mm Clamp

1 - Secure the U-bracket to the ceiling or install the clamp on the U-Bracket. **Remember to check the U-bracket's orientation in order to get the desired tilt angle.**

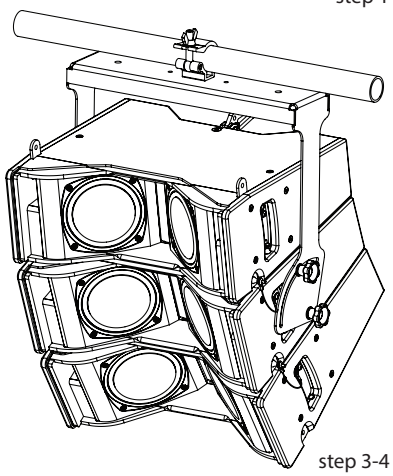
2 - Setup the LA26 array to be installed on the U-bracket.
3 x LA26 Array - Remove the four side screws, two on each side, from the **middle** enclosure.
2 x LA26 Array - Remove the four side screws, two on each side, from the **bottom** enclosure.

3 - Place the array between both U-bracket arms and, using the provided bolts and washers, screw both parts without completely tighten them.

4 - Adjust the tilt angle and tight the bolts.



step 1



step 3-4

Pole-mounting Application

1 - Secure the Pole-mount adpater to the U-bracket using the provided bolts and washers.

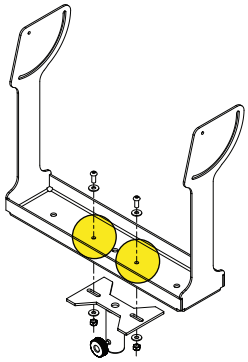
2 - Install a M20 pole on LAs15(A) and apply the U-Bracket on it.

3 - Secure a LA26 to the U-Bracket using the provided bolts and washers, do not completely tighten them.
Remember to check the U-bracket's orientation in order to get the desired tilt angle.

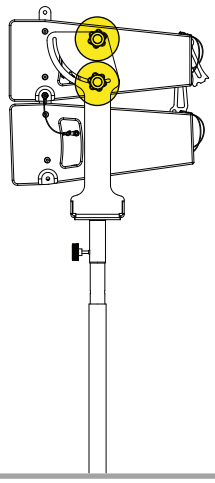
4 - Place the second LA26 **below** the pre-installed cabinet. Start from securing the rear rigging with the lock pins and then the front rigging with two lock pins, one on each side.

5 - Adjust the system's tilt angle and tight the bolts.

ATTENTION: The maximum limit for pole-mounting is 2 x LA26.
DO NOT USE A U-BRACKET ATTACHED TO A WALL!



step 1



step 3-4

ASSEMBLY - LAs15(A) | Dolly

Stacking LAs15(A) on a Dolly

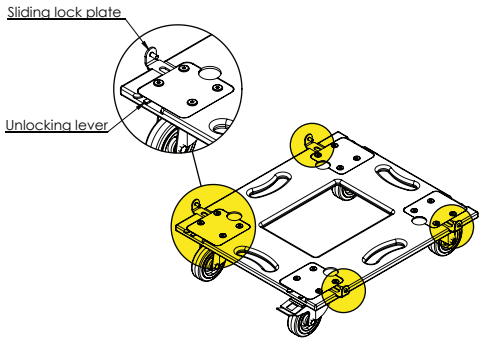
1 - Place the dolly on a flat surface and unlock the sliding lock plate by pulling the four side levers.

2 - Put the LAs15(A) on top of the dolly and be sure it perfectly fits it. Lock the sliding pins, pushing it inwards onto subwoofer's direction.

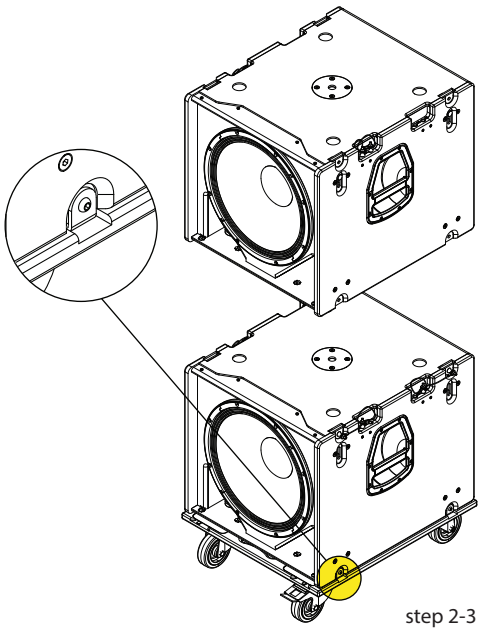
3 - Place another LAs15(A) on top of the assembled system and be sure it perfectly fits in place.

4 - Raise the four sliding rigging arms into the new LAs15(A). Insert four lock pins, one on each arm, on the upper cabinet For stacking purposes only four pins are needed. However, the other four can be also be installed. In that case slightly raise the top subwoofer while inserting the lock pin.

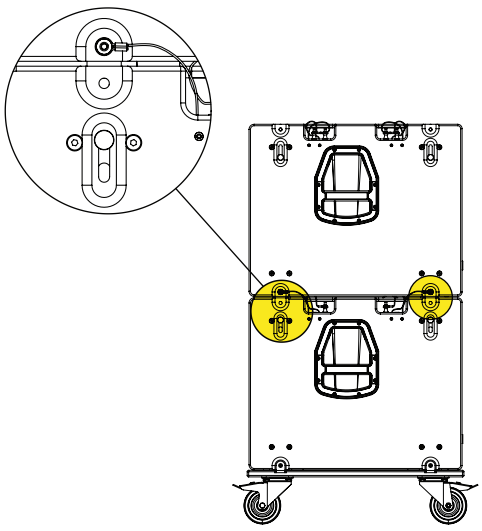
ATTENTION: The maximum limit for dolly stacking is 2 x LAs15(A). Stacking on the floor, the maximum limit is 4 x LAs15(A)



step 1



step 2-3



step 4

ASSEMBLY - LA26 | LAs15(A) | Ground Stack Sub Adapter for LA26

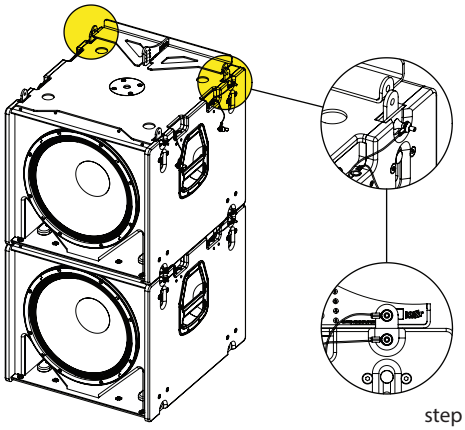
Stacking LA26 on a LAs15(A)

1 - Place the LAs15(A) on a flat surface and raise the four sliding rigging arms and hold them in place with a lock pin on each arm. Attach the ground stack sub adapter to the top back of the LAs15(A) with two lock pins, one on each side.

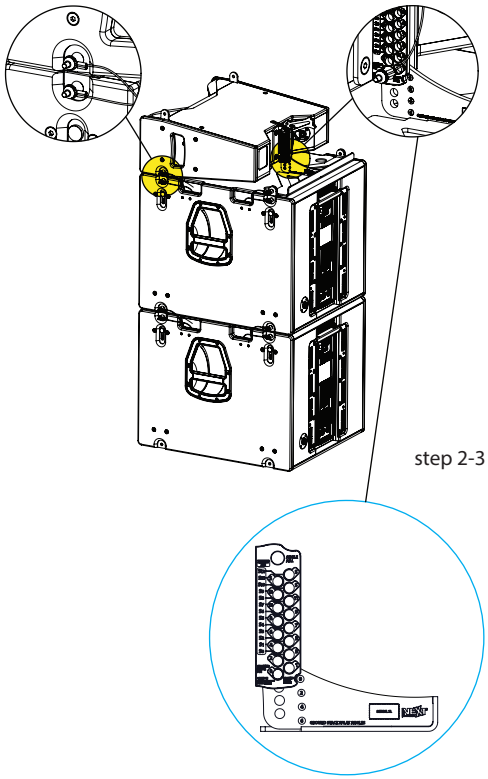
2 - Bring an LA26 cabinet and secure it to the subwoofer starting from the front rigging arms, use one lock pin on each side. Lay the enclosure down while holding the rear rigging arm. The sub adapter must get into the LA26 rear rigging slot.

3 - On the ground stack sub adapter is possible to read the splay angle between the LA26 and the ground (blue circle), its written "Ground Stack Angle". Choose an angle among the possible ground stack angles (0º, 2º, 4º, 6º) and insert a lock pin on position 0, with "Ground Stack Pin" label, to secure the system. When stacking on a LAs15(A), tilting LA26 downards is not possible, stack it on a flying frame instead.

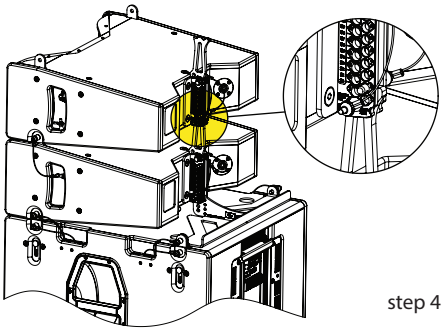
4 - Add another LA26 fitting the front rigging hardware and locking it with two lock pins, one on each side. At the back, keep the top cabinet's swivel arm up while inserting the bottom's swivel arm into the slot. Insert a lock pin at the desired splay angle, leave the safety pin out. With your hand, raise the LA26's back up to the final position. Insert the safety pin to lock the cabinet's position.



step 1



step 2-3

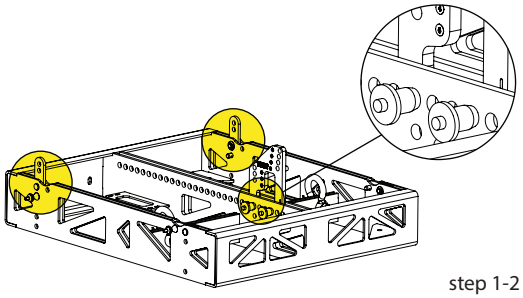


step 4

ASSEMBLY - LA26 | Flying Frame

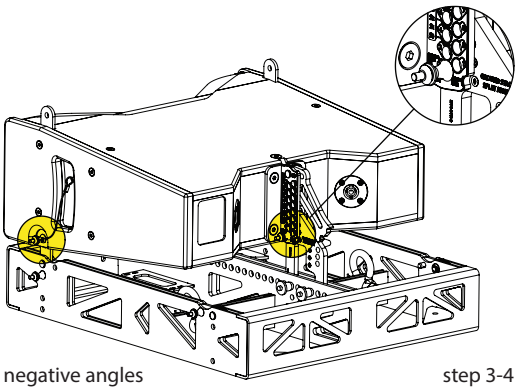
Stacking LA26 on a Flying Frame

1 - Place the flying frame on a flat surface and swivel the four rigging arms, two on the back sides and two on the front sides. To accomplish this task remove the lock pin, rotate the arm and re-secure the arm in place with the lock pin.



step 1-2

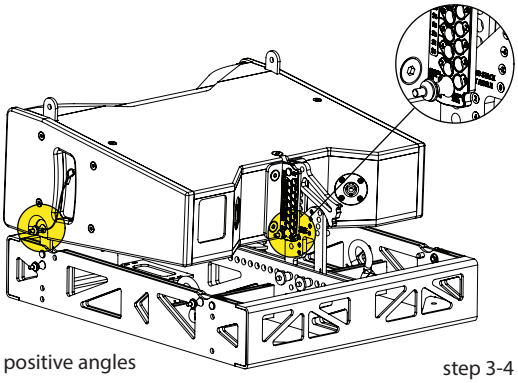
2 - Bring the ground stack accessory near the indicated area in the middle bar of the flying frame. Choose between 2º to 6º (blue circle) or 0º to -6º (green circle) by flipping the hardware in order to both vertical lines to match (on the flying frame and accessory). Insert two 10mm lock pin on the holes signed with a white circle.



negative angles

step 3-4

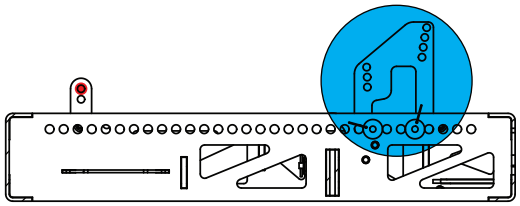
3 - Bring an LA26 cabinet and secure it to the flying frame starting from the front rigging arms (use the upper hole - red circle), use one lock pin on each side on the upper hole of the arm. Lay the enclosure down while holding the rear rigging arm. The ground stack accessory must get into the LA26 rear rigging slot.



positive angles

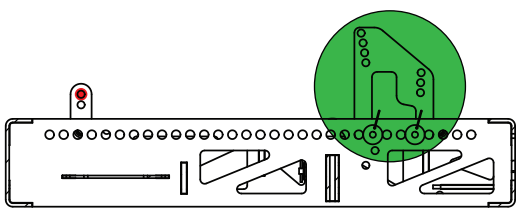
step 3-4

4 - On the flying frame's gound stack accessory is possible to read the splay angle between the LA26 and the ground - its written "Ground Stack Angle". Choose an angle among the possible ground stack angles (-6º, -4º, -2º, 0º, 2º, 4º, 6º) and insert a lock pin on position 0, with "Ground Stack Pin" label, to secure the system.



step 2

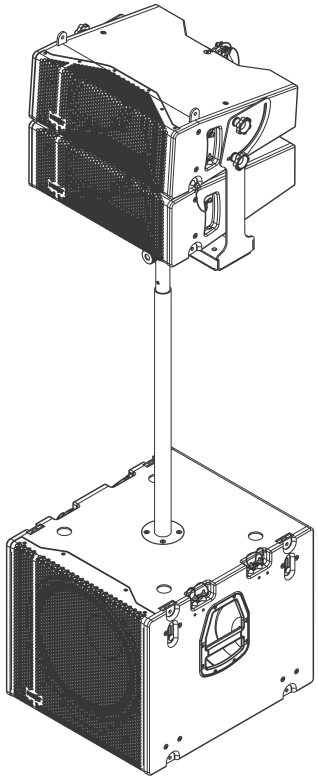
2º to 6º Ground Stack Angles



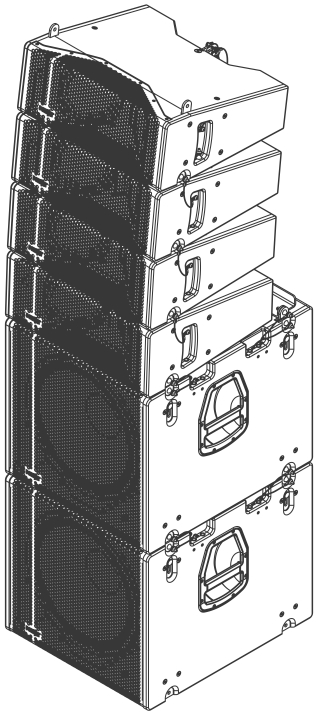
step 2

-6º to 0º Ground Stack Angles

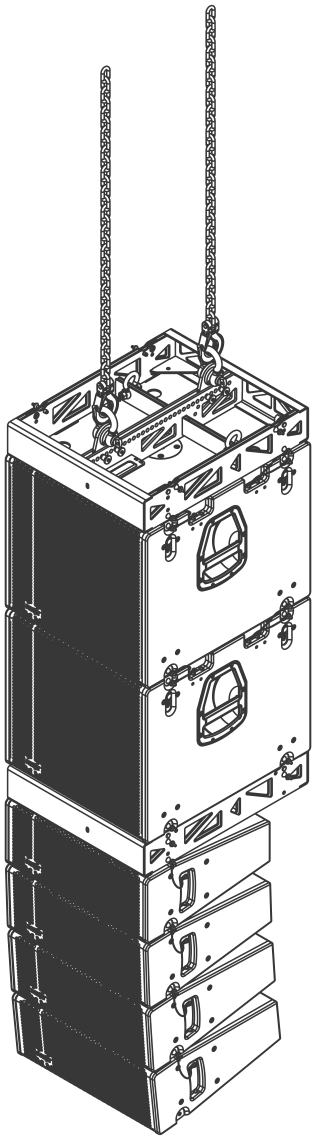
COMPLETE SYSTEM EXAMPLES



EXAMPLE 1



EXAMPLE 2

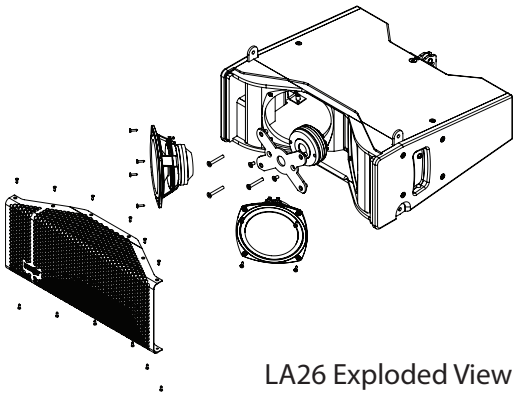


EXAMPLE 3

TROUBLESHOOTING

Simple troubleshooting does not require sophisticated measurement equipment and can be easily undertaken by users. The technique should be to segment the system in order to identify the faulty system component. A simple sweep with a sine wave generator can be very helpful though it MUST be made at a fairly low level to prevent damage to the speakers. A sine wave sweep can help find:

- Vibrations due to loose screws.
- Air-leak noises: check that no screws are missing, particularly where the accessories attach to the cabinet.
- Vibrations due to a front grille badly positioned on the quick release fixings.
- Foreign object that has fallen into the cabinet after repair or through the ports.
- Internal connection wires or absorbing material touching the loudspeaker diaphragm



LA26 Exploded View

WARRANTY POLICY

NEXT-proaudio's products are warranted, by NEXT-proaudio, against manufacturing defects in materials or craftsmanship over a period of 5 years for the passive loudspeakers, and 2 years for all other products counting from the date of original purchase. The original receipt of purchase is mandatory for warranty validation purposes, and the product must have been bought from a NEXT-proaudio authorized dealer.
The warranty can be transferred to a subsequent owner during the warranty period; however, this cannot extend the warranty period beyond the original warranty period of five years from the original date of purchase stated on the NEXT-proaudio's invoice.
During the warranty period NEXT-proaudio will, at its own discretion, either repair or replace a product which prove to be defective provided that the product is returned in its original packaging, shipping prepaid, to an authorized NEXT-proaudio service agent or distributor.
NEXT-proaudio cannot be held responsible for defects caused by unauthorized modifications, improper use, negligence, exposure to inclement weather conditions, act of God or accident, or any use of this product that is not in accordance with the instructions provided by this manual and/or NEXT-proaudio. NEXT-proaudio is not liable for consequential damages.
This warranty is exclusive and no other warranty is expressed or implied. This warranty does not affect your statutory rights.

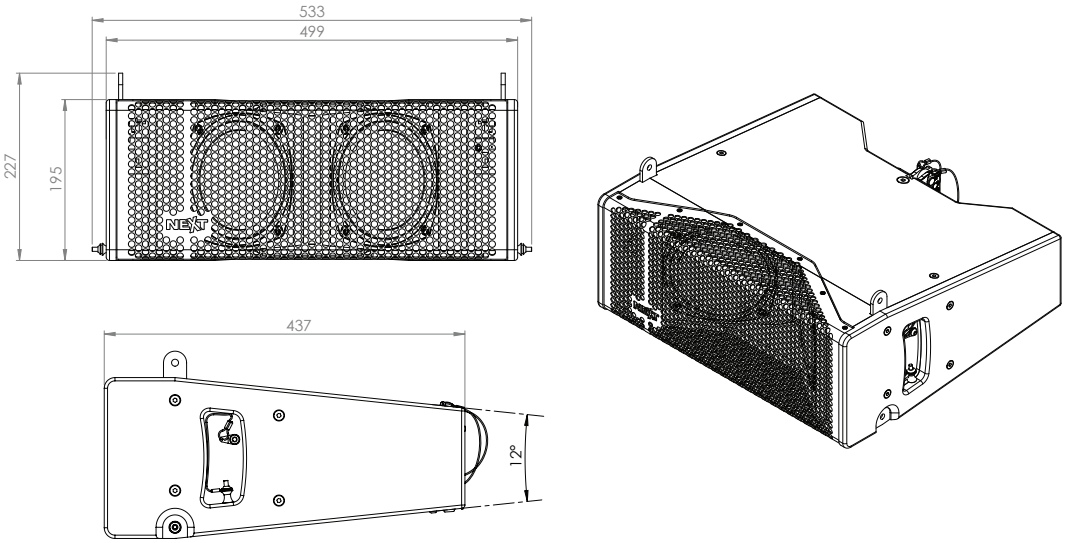
END-OF-LIFE

When to be definitively put out of operation, take the product to a local recycling plant for a disposal which is not harmful to the environment.
Devices marked with this symbol must not be disposed of as household waste. Contact your retailer or local authorities for more information.

LA26 TECHNICAL SPECIFICATIONS

	LA26
Speaker Type	2-way Passive Line Array Element
Frequency Response (-6dB)	75Hz - 19KHz
Sensitivity (1W@1m)	100dB (Full-Space)
Calculated Max. SPL (Continuous/Peak)	127.6dB/130.6dB (Full-Space)
Horizontal Coverage Angle (-6dB)	105°
Vertical Coverage Angle (-6dB)	12°
Components	LF - 2 x 6.5″ Planar Diaphragm, Neodymium Custom Speaker HF - 1 x 1" (25mm) exit / 2" (51mm) VC HT Polymer, B&C Custom Neodymium Compression Driver
Program/Peak Power	600W/1200W
Nominal Impedance	16Ω
Recommended Amplifier	LAs15A / N-RAK
Recommended Subwoofer	LAs15(A)
Recommended HPF	65Hz 18dB/oct Butterworth (Full-Range Operation)
Recommended HPF (with subwoofer)	140Hz 24dB/oct Linkwitz-Riley
Connectors	2 x SpeakON NL4 parallel wired
Fittings	3-point adj. rigging system (0° to 12°)
Construction	15mm multi-laminate birch plywood
Finish	Semi-mate textured paint
Grille	Black-powder coated perforated grille
Dimensions WxHxD (mm)	499 x 195 x 430
Net Weight	15kg

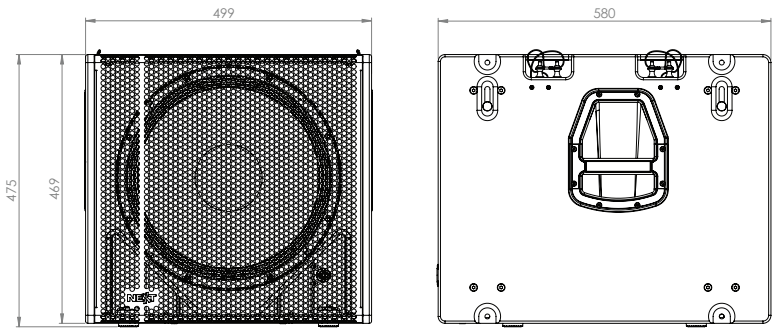
LA26 DIMENSIONS



LAs15 TECHNICAL SPECIFICATIONS

	LAs15
Speaker Type	Ultra-Compact Active Reflex Subwoofer
Frequency Response (-6dB)	44Hz - X-over
Sensitivity (1W@1m)	102dB (Half-Space)
Calculated Max. SPL (Continuous/Peak)	135dB/138dB (Half-space)
Components	LF - 1 x 15" (380mm)/4" (100mm) VC, High excursion B&C custom speaker
Program/Peak Power	2000W/4000W
Nominal Impedance	4Ω
Recommended Amplifier	N-RAK
Recommended HPF	40Hz 18dB/oct Butterworth
Connectors	1 x SpeakON NL4
Fittings	1 x M20 pole mount socket 4-point adj. rigging system
Construction	15mm multi-laminate birch plywood
Finish	Semi-mate textured paint
Grille	Black-powder coated perforated grille
Dimensions WxHxD (mm)	499 x 475 x 580
Net Weight	40 kg

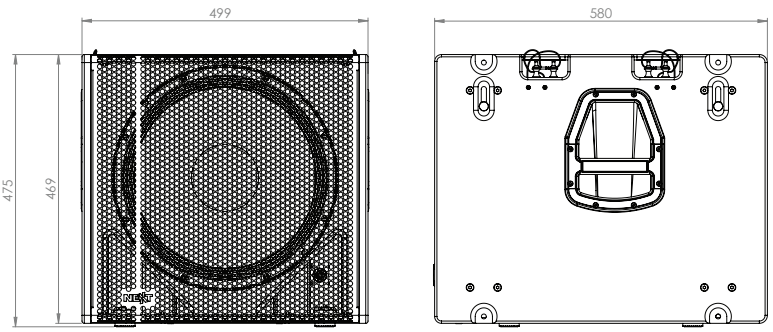
LAs15A DIMENSIONS



LAs15A TECHNICAL SPECIFICATIONS

	LAs15A
Speaker Type	Ultra-Compact Active Reflex Subwoofer
Frequency Response (-6dB)	44Hz - X-over
Calculated Max. SPL (Continuous/Peak)	129dB/135dB (Half-space)
Components	LF - 1 x 15" (380mm)/4" (100mm) VC, High excursion B&C custom speaker
Program/Peak Power	2820W/4000W
Subwoofer Output (external) (Program/Peak)	2820W/4000W (4Ω)
Amplifier Technology	2 Channel - PFC switched mode Class D with DSP
Controller	PC controlled USB/Networkable DSP 24bit/96kHz
System Presets	7 Factory and 1 User, selectable via software or rear panel switch
PC Control	Via RS485/USB and supplied software "SOUNDWARE 4"
DSP Adjustable Parameters	10 PEQ/LSF/HSF, Sub Delay, Satellite Delay, System Delay, HPF, LPF, Level, Polarity, Mute
Cooling	Convection / Internal Fan with Speed Controlled by Temperature
AC Operating Voltage	100V - 240V 50/60Hz
Nominal Power Consumption	1150W (5A)
Connectors	Power: 2 x Powercon Signal: 2 x XLR PC control: 2 x RJ45 / 1 x USB Sat. Output: 1 x SpeakON NL4
Fittings	1 x M20 pole mount socket 4-point adj. rigging system
Construction	15mm multi-laminate birch plywood
Finish	Semi-mate textured paint
Grille	Black-powder coated perforated grille
Dimensions WxHxD (mm)	499 x 475 x 580
Net Weight	45kg

LAs15A DIMENSIONS



CONTACTS

In case of any doubts or any information just:

Write us:

NEXT-PROAUDIO
Rua da Venda Nova, 295
4435-469 Rio Tinto
Portugal

Contact us:

Tel. +351 22 489 00 75
Fax. +351 22 480 50 97

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info@next-proaudio.com

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