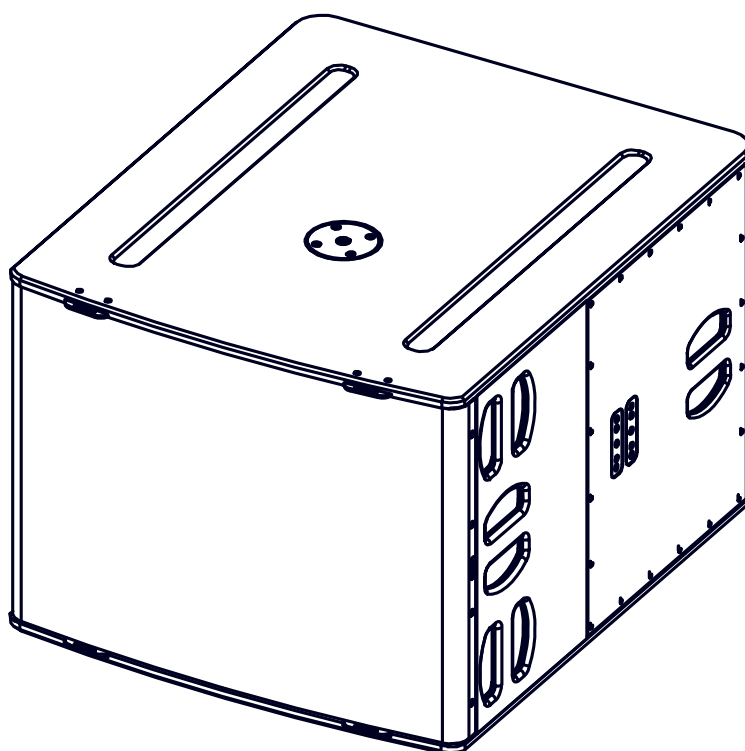


## B218



## User manual

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## WARNINGS

### PRECAUTIONS

Do not open the speaker, do not try to disassemble it neither to modify it in any way. The system doesn't include any user-repairable part.

If the system seems to be malfunctioning or damaged, stop using it at once and have it repaired by a NEXO qualified technician.

Do not expose the system directly to the sun or to the rain, do not immerse it into fluids, do not place objects filled with liquid on the system. If a liquid gets into the system, please have it inspected by a NEXO qualified technician.

When flying outdoor systems ensure that the system is not exposed to excessive wind or snow loads and is protected from rainfall.

In case of wind greater than 8 on Beaufort scale (72km/h – 45mph), a touring system has to be landed or an additional securing has to be implanted.

For fixed installations, wind loading has to be taken into account in accordance to the national standards

The connection should be performed by qualified technician, by ensuring that power is off.

Operating temperature with temperate climate: 0°C to +40°C (+32°F to +104°); -20°C à +60°C (-4°F to +140°F) for storage.

### SAFETY INFORMATION

Read this manual before using the speaker.

Keep this manual available for further reference.

Observe all warnings and cautions.

Please check the NEXO Web site [nexo-sa.com](http://nexo-sa.com) to get the most up-to-date version of this manual.

Ensure you are aware of the safety rules applying to rigging, stacking or installing on tripod or speaker stand. Failure to observe these rules may expose persons to potential wounds or even death.

Only use the system with accessories specified by NEXO.

Please always consult a NEXO-accredited technician if the installation needs architectural works and observe following precautions:

#### Mounting Precautions:

- Please select screws and mounting location supporting 4 times the system weight.
- Do not expose the system to excessive dust, vibrations, to extreme cold or hot temperatures, to reduce the risk of damaging components.
- Do not place the system in an unstable position: it could fall accidentally.
- If the system is used on a tripod, please ensure the tripod's specifications are adapted and that its height does not exceed 1.40m/55". Do not move the tripod with the system in position.

#### Connection and Powering Precautions:

- Unplug connected cables before moving the system.
- Power off the system before connecting the system.
- When switching on the installation, the amplifier must be powered last; when switching the installation off, shut off the amplifier first.
- If you work by cold temperatures, progressively raise the level to nominal value during the first minutes of use, to allow the system components to stabilize.

Please check regularly the system condition.

### HIGH SOUND PRESSURE LEVELS

Exposure to very high sound pressure levels may cause permanent hearing losses. Degrees of hearing losses may be different from one person to another, but almost everybody will be affected if exposed to high sound pressure levels during a long period of time. The OSHA (Occupational Safety and Health Administration) American Agency specified the following maximal exposures:

| Number of Hours | Sound Pressure Level (dBA),<br>Slow Response |
|-----------------|--|
| 8               | 90   |
| 6               | 92   |
| 4               | 95   |
| 3               | 97   |
| 2               | 100  |
| 1 ½             | 102  |
| 1               | 105  |
| ½               | 110  |
| ¼ or less       | 115  |

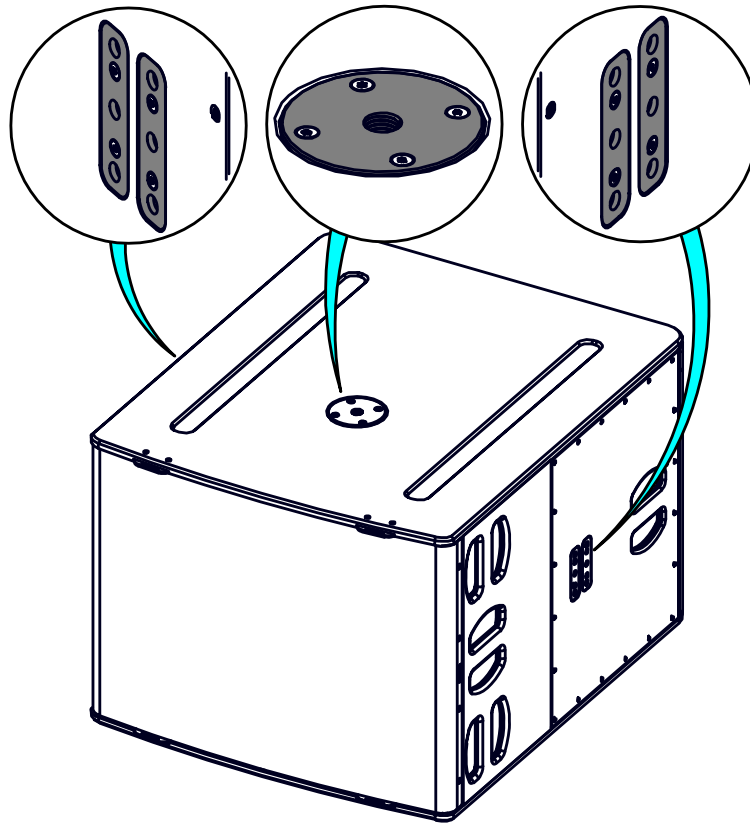
### WASTE OF ELECTRIC OR ELECTRONIC EQUIPMENT



This symbol on the product or its packaging indicates that this product must not be treated as household waste. Instead, it is your responsibility to hand it over to a designated collection point for the recycling of waste electrical and electronic equipment. By ensuring your waste equipment is recycled, you will help prevent potential negative consequences for the environment and human health, which could appear if this product was not recycled. Recycling helps spare natural resources. For more information about the recycling of this product, please contact your local city office, your household waste disposal service or your reseller.

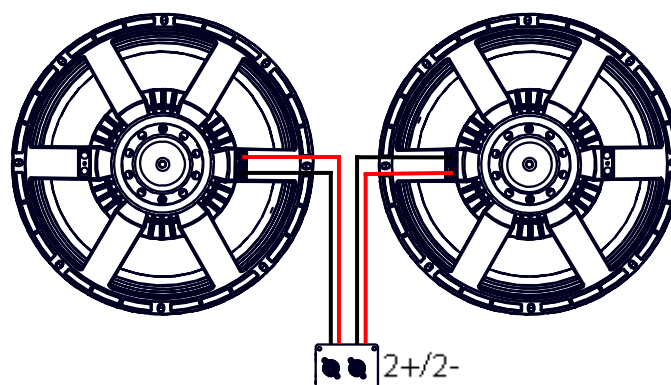
**EQUIPMENT**

3 locations for hanging, 1 on the top for speaker stand and on both side.



## DESCRIPTION

- The B218 is a compact and powerful bass, ideally complementing M210 speakers
- The B218 bassr is equipped with two Speakon NL4 connectors, with parallel-wired pins,
- B218 uses the 2+/2- pins, (1+/1- through).



- Amplification
  - The B218 bass must be used with a NEXO processor to handle EQ, phase alignment, crossover and excursion/thermal protection for the system loudspeaker.
  - The following table shows the number of B218 subwoofers usable with each solution.

|      | SPEAKER TYPE  | NXAMP4X1mk2             | NXAMP4X2mk2             | NXAMP4X4mk2           |
|------|---------------|-------------------------|-------------------------|-----------------------|
| B218 | Bass          | 1 per channel (bridged) | 1 per channel (bridged) | Up to 2 per channel   |
| L20  | Sub           | 1 per channel (bridged) | 1 per channel (bridged) | Up to 2 per channel   |
| M210 | 2 ways active | Up to 2 per amplifier   | 1 on 2 channels         | Up to 2 on 2 channels |

Please consult [nexo-sa.com](http://nexo-sa.com) for NEXO TD Controllers firmware information.

The Alpha+ M210 must always be used with its companion bass module the B218  
(ratio :1x B218 for 1x M210)

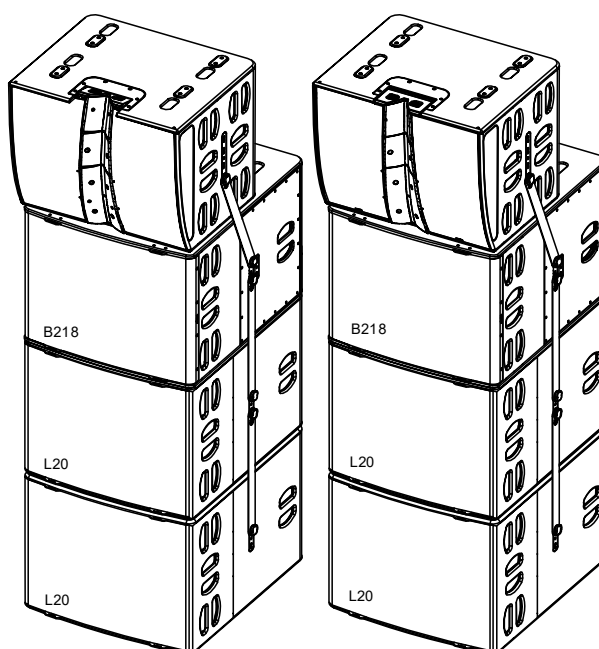
**2x M210 Main modules can also be coupled upside down.** In that case the 2x B218 should be immediately next to the 2x M210 modules or just below depending on stack height need.

Only one DSP preset is available for the NEXO Alpha+ B218 bass module in the NXAMPmk2 amplifiers.

- Preset name 'B218', crossover mode 85-160 Hz

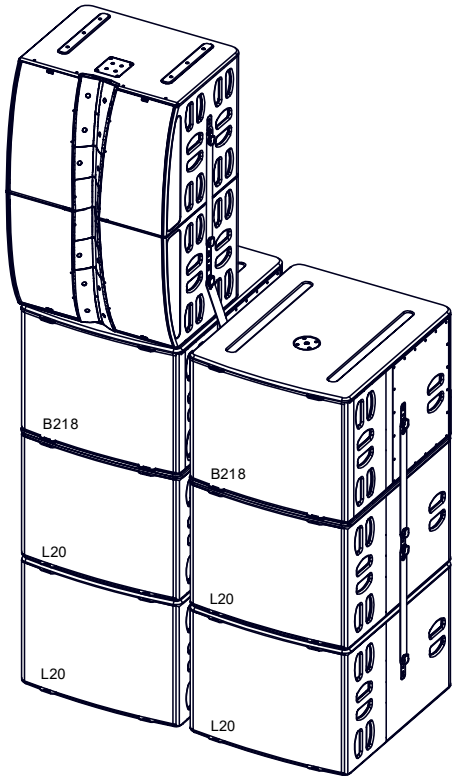
➤ **STACK 1 Column:**

1 or 2x L20 / 1x B218 / 1x M210 (Narrow – Wide)

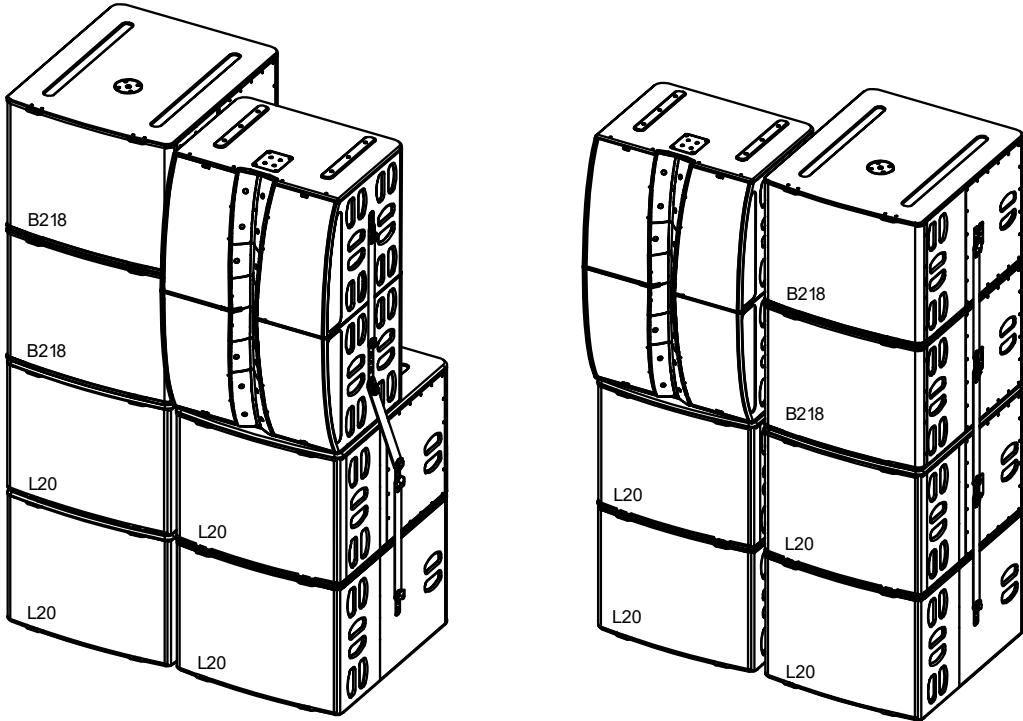


➤ STACK 2 Columns

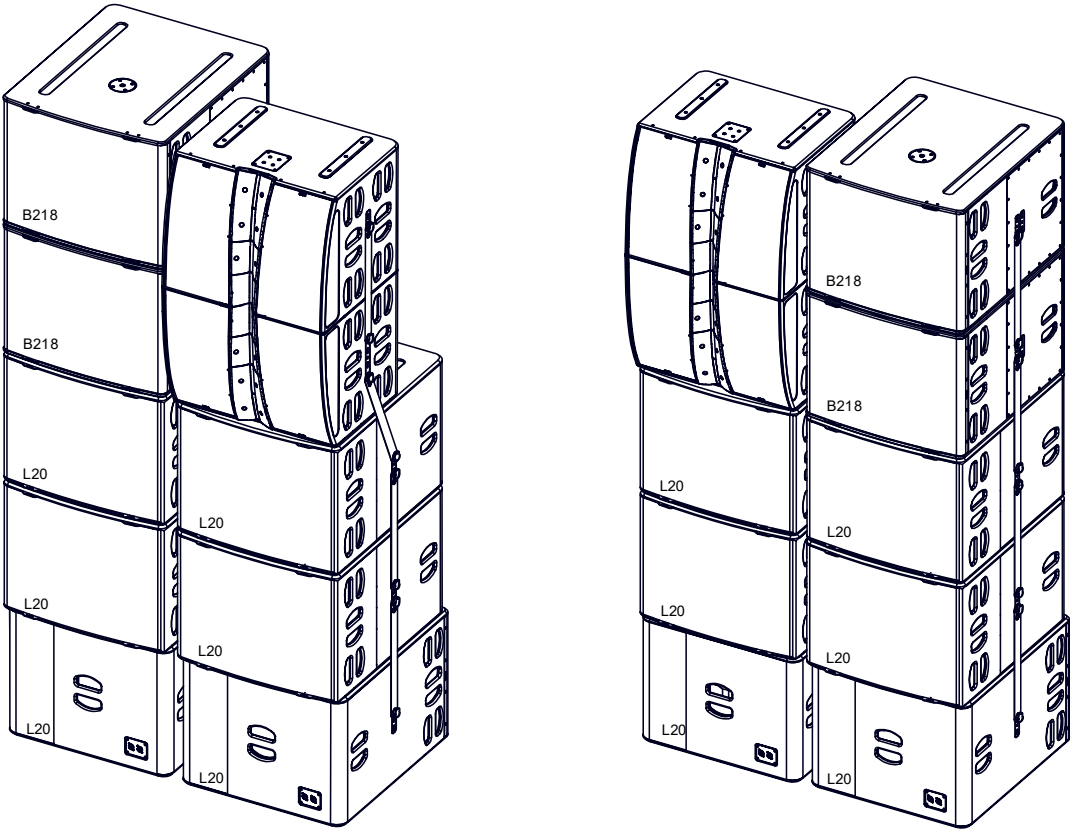
4x L20 / 2x B218 / 2x M210 (Narrow)



4x L20 / 2x B218 / 2x M210 (Narrow)

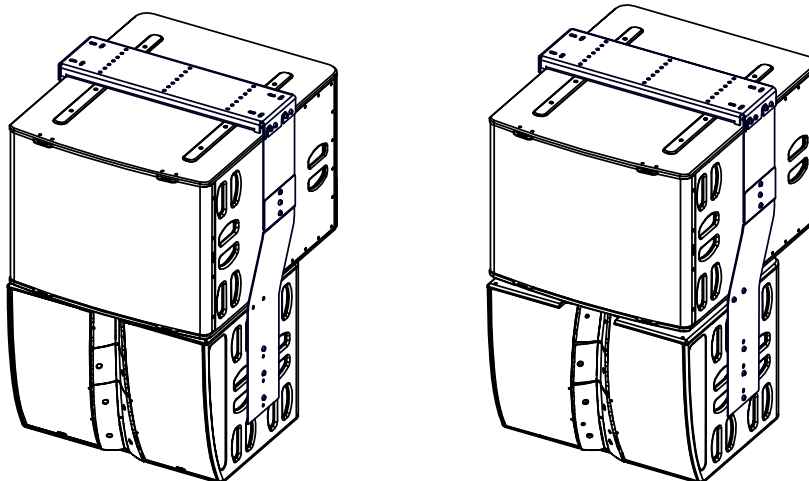


6x L20 / 2x B218 / 2x M210 (Narrow)

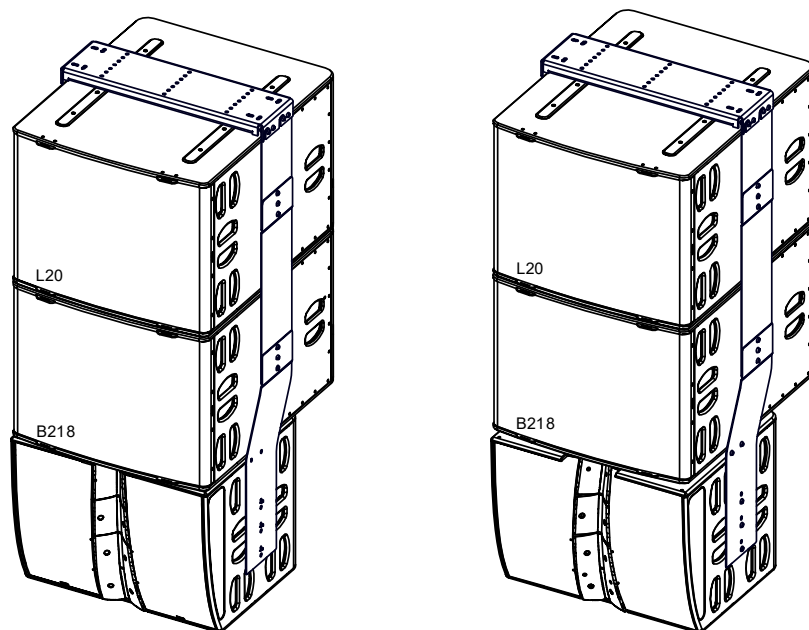




➤ **FLOWN 3: 1x B218 / 1x M210 (Narrow – Wide)**



➤ **FLOWN 4: 1x L20 + 1x B218 or 2x B218 / 1x M210 (Narrow – Wide)**



## WARNINGS

All B218 accessories are specifically rated in agreement with structural computations.

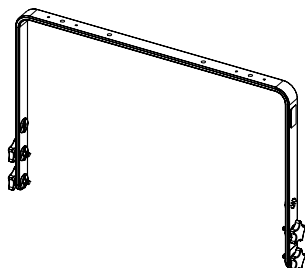
Never use other accessories – including push-pins – when assembling B218 cabinets than the ones provided by NEXO: NEXO will decline responsibility over the entire B218 accessory range if any component is purchased from different supplier.

All B218 accessories have been designed so that cabinet are arrayed vertically.

**PROHIBITED: B218 below L20, M210 below B218 without dedicated accessory**

**VNU-HBRK01 (LNU-HBRK20)**

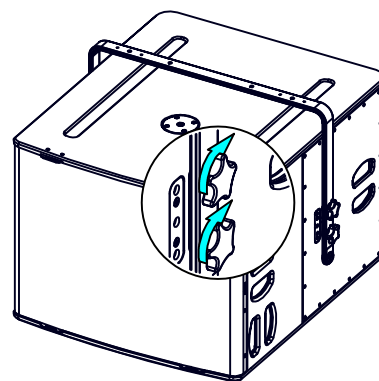
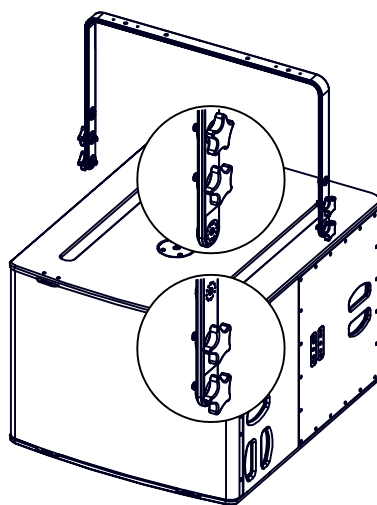
Horizontal Cradle, use with B218 CLADAPT.



Place VNU-HBRK01 on B218, use only fasteners provided.

Tight properly.

Refer to the Product Data Sheet.

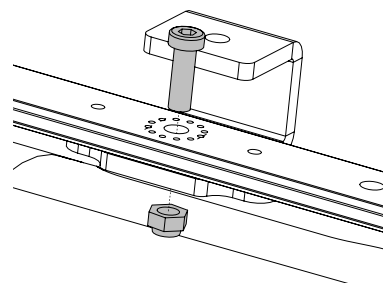
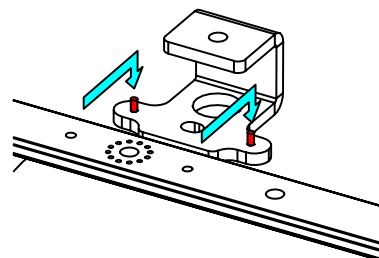
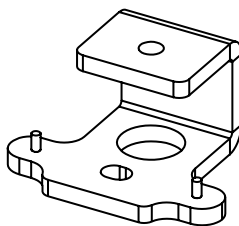
**VNI-CLADAPT (PNI-CLADAPT)**

Ceiling adapter, use with VNU-HBRK01.

Screw CLADAPT to the ceiling (fasteners not provided).

Place the assembly on CLADAPT, use the 2 guides. Tight with the fasteners provided with CLADAPT.

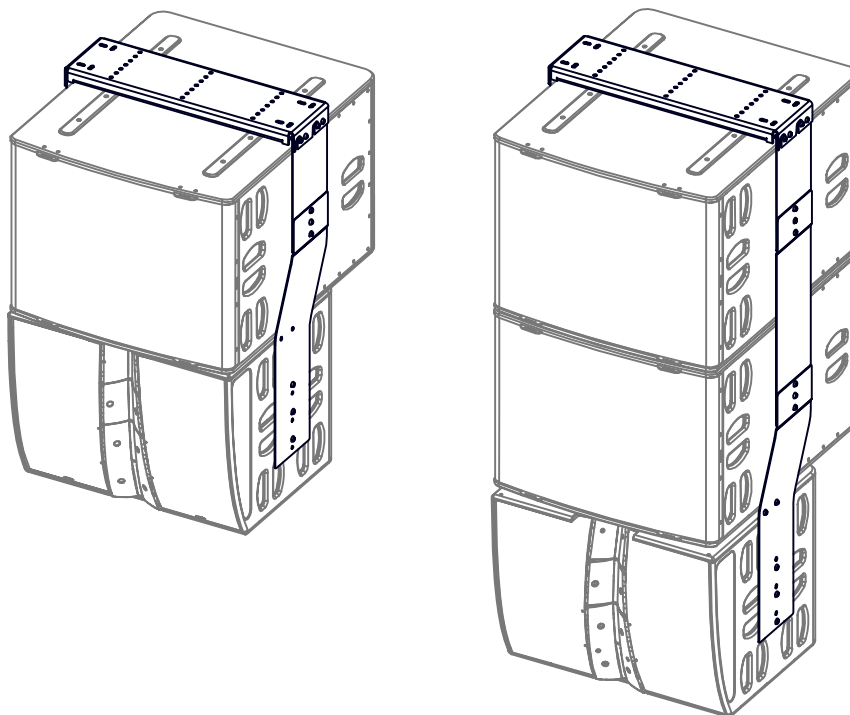
Refer to the Product Data Sheet.



**ANI-LK02/03**

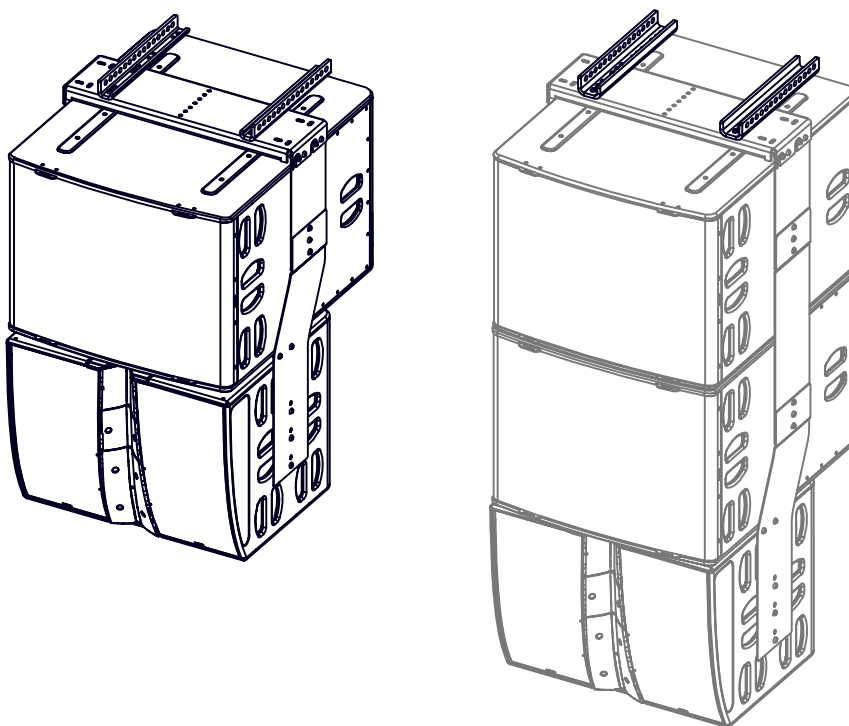
Rigging System M210 under B218/L20

Refer to the Product Data Sheet.

**ANI-EXB01**

Extension bar for ANI-LKxx

Refer to the Product Data Sheet.

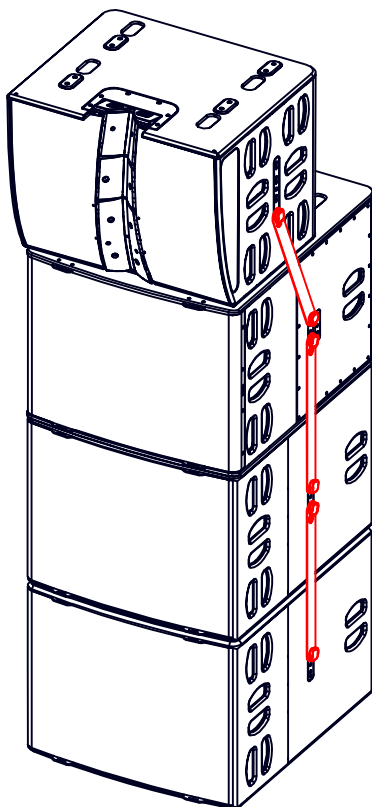


## ACCESSORIES

### VNI/VNT-CPL04

Link Bars

Refer to the Product Data Sheet.

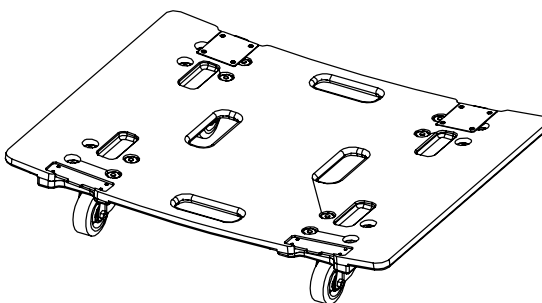


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### VNT-WB01 (LNT-WB20)

Wheelboard

Refer to the Product Data Sheet.

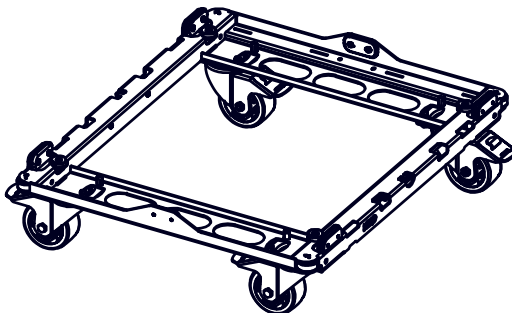


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### VNT-DOLLY01

Dolly for 2 or 3 B218

Refer to the Product Data Sheet.



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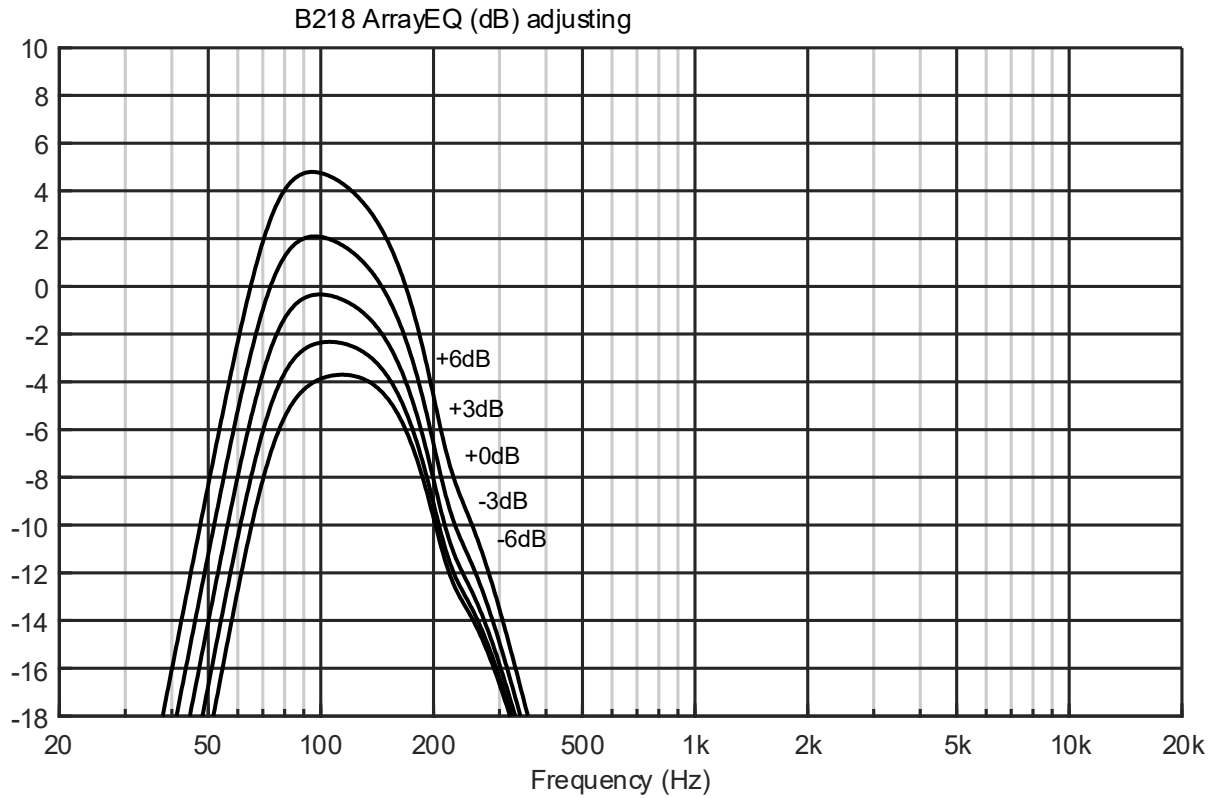
**ANT-COV0218: COVER FOR B218 ON VNT-WB01**

**VNT-COV02: COVER FOR 2X B218 ON VNT-DOLLY01**

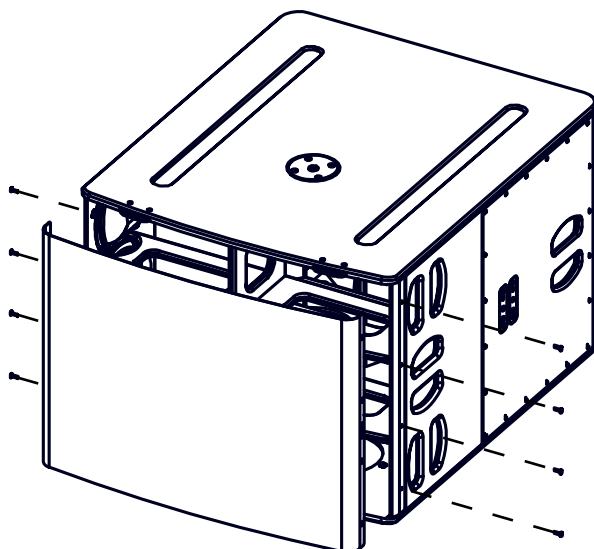
**VNT-COV03: COVER FOR 3X B218 ON VNT-DOLLY01**

## ARRAY EQ

The ArrayEQ allows to adjust the system frequency response in its lower range  
(see curves below, with different ArrayEq values):

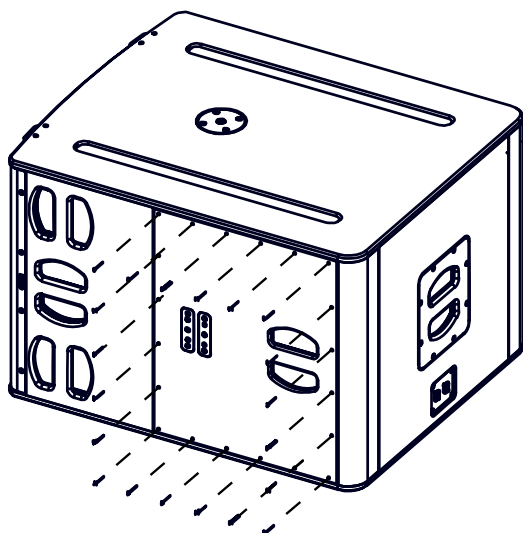


Grille Changing: Remove 8 screws

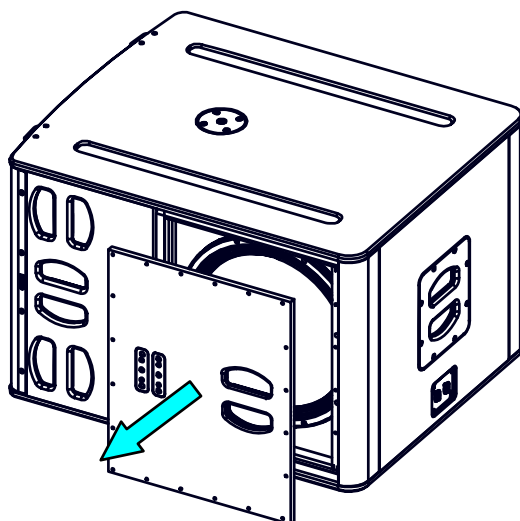


21" Driver

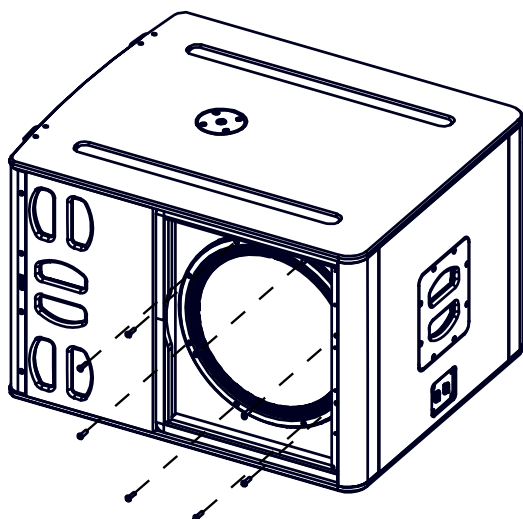
Remove 20 screws



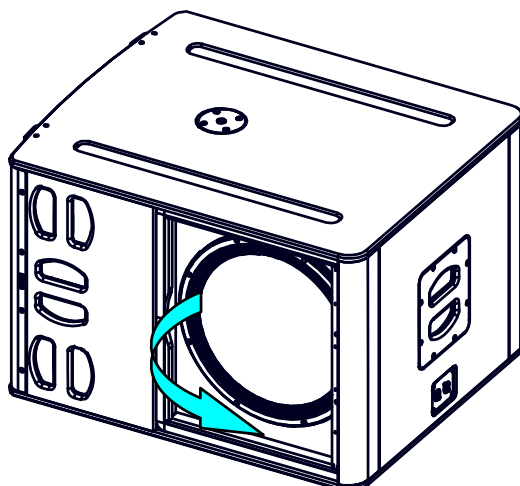
Remove the trap



Remove 8 screws.

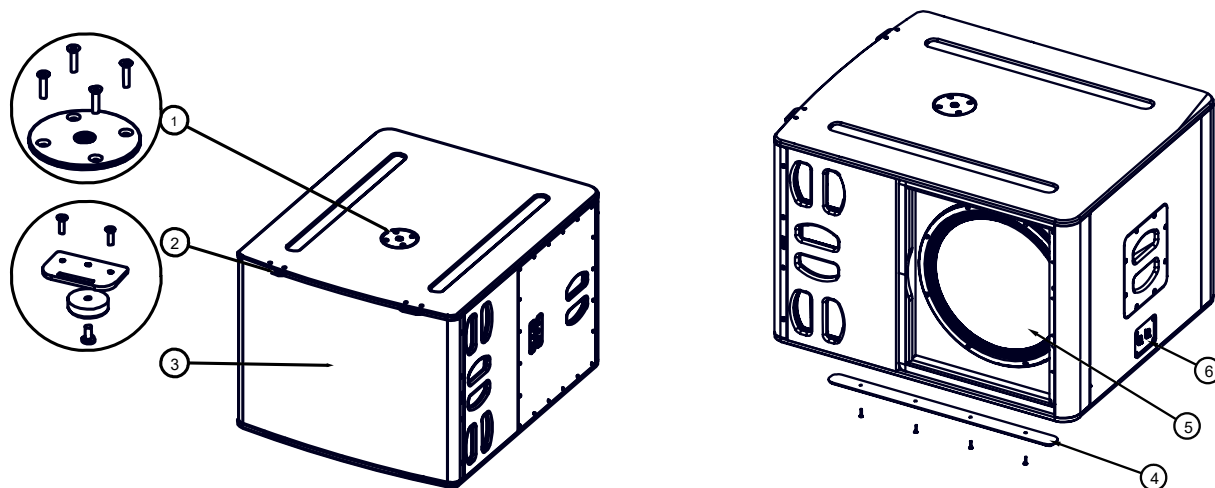


Remove the driver.



Proceed in the same way for the second HP on the other side.

Spare parts



| MARK | QUANTITY | REFERENCE        | DESIGNATION   |
|------|----------|------------------|---|
| 1    | 1        | 05DOUILM20N      | Pole Mounting M20 (With Gasket And Screws)            |
|      | 1        | 05DOUILM20W      | Pole Mounting M20 White (With Gasket And Screws)      |
| 2    | 1        | 05L20UA          | Complete grille Black (with fasteners)                |
|      | 1        | 05L20UA-PW       | Complete grille White (with fasteners)                |
| 3    | 4        | 05AMPLAVER02     | Wheelboard attachment Black (with fasteners)          |
|      | 4        | 05AMPLAVER02-PW  | Wheelboard attachment White (with fasteners)          |
| 4    | 2        | 05PATIN01        | Rubber Skid Black (with fasteners)                    |
| 5    | 1        | 05HP18-100NSC    | HP 18" 8 OHM SPLIT COIL                               |
|      | 1        | 05HP18-100NSCR/K | HP 18" SPLIT COIL RECON KIT                           |
| 6    | 1        | 05CNX-B218       | Connection plate Black without lexan (with fasteners) |
|      | 1        | 05CNX-B218       | Connection plate White without lexan (with fasteners) |
| 6a   | 1        | 05LEXCNX-B218    | Lexan CNX B218 Black                                  |
|      | 1        | 05LEXCNX-B218PW  | Lexan CNX B218 White                                  |
| 6b   | 2        | 05CNXNL4MDV-1    | Speakon NL4 MDV1                                      |

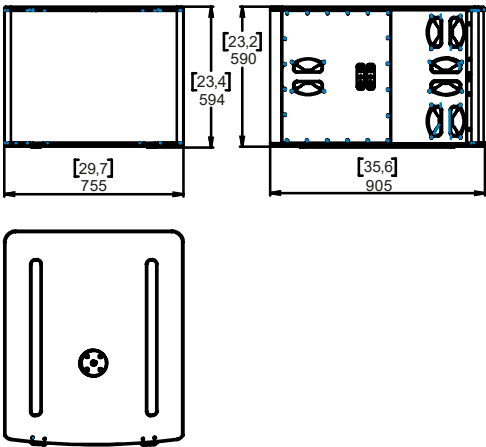
B218 WITH NEXO ELECTRONICS

| Model                  | B218                |
|------------------------|---------------------|
| Frequency range (±6dB) | 75Hz – 160Hz        |
| Peak SPL Level (1m)    | 146 dB Peak         |
| Operating voltage      | 65 Vrms (180 Vpeak) |
| Crossover Frequency    | 75 Hz               |
| Nominal Impedance      | 4Ω                  |

SPECIFICATIONS

| Model        | B218  |
|--------------|---|
| Components   | 2x 18” – 8 ohms – Long excursion – Neodymium driver   |
| Material     | Baltic birch / Poplar plywood   |
| Finish       | Black or white structural paint   |
| Front finish | Magnelis® Steel front grille  |
| Fittings     | Handles on both sides<br>Threated inserts on both sides for connection of mounting accessories<br>Stand fitting M20 |
| Connector    | 2x NL4, 4 poles connectors  |
| Weight       | 77 kg / 170 lb  |

Dimensions  
[inch] - mm





**USER NOTES**

**NEXO S.A.**

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