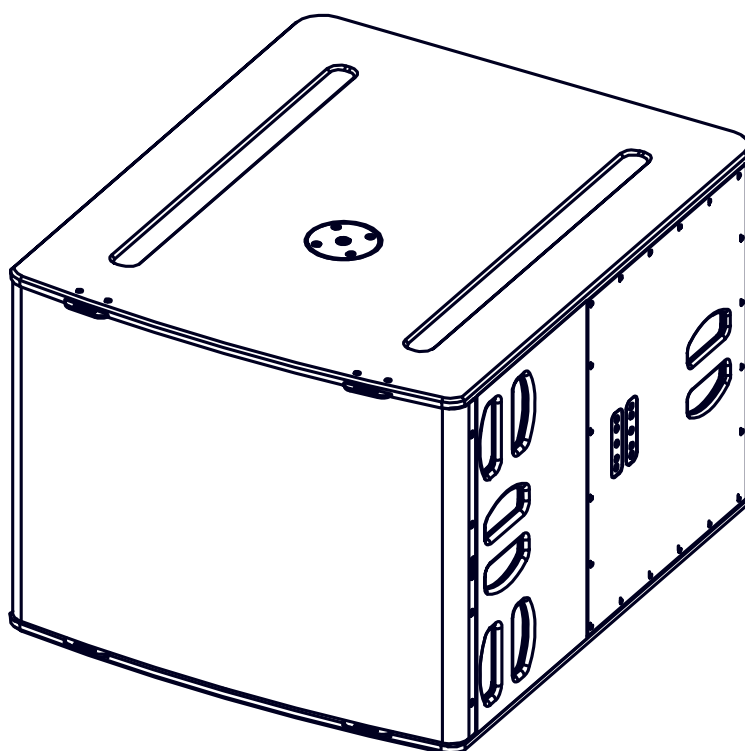


B218



User manual

TABLE OF CONTENTS

TABLE OF CONTENTS	2
WARNINGS	3
EQUIPMENT	4
DESCRIPTION	5
PRESET	6
ACCESSORIES	10
ARRAY EQ	13
MAINTENANCE	14
TECHNICAL SPECIFICATIONS	16
USER NOTES	17

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 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), Slow Response
8	90
6	92
4	95
3	97
2	100
1 ½	102
1	105
½	110
¼ or less	115

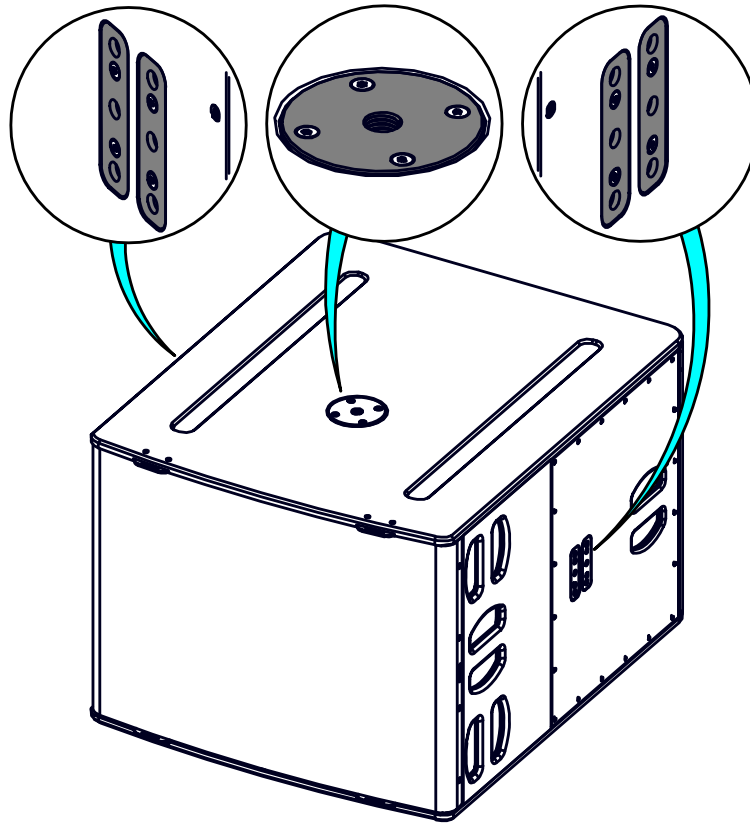
WASTE OF ELECTRIC OR ELECTRONIC EQUIPMENT



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.

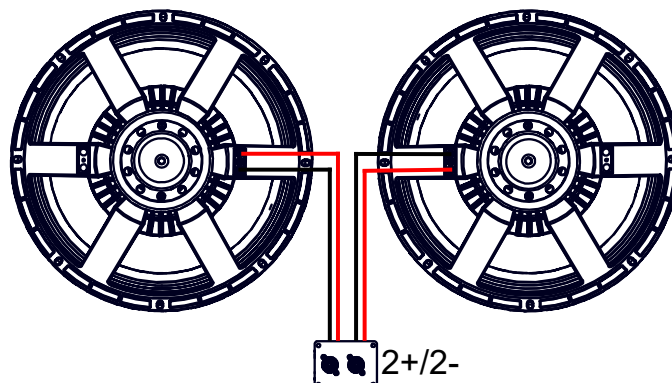
EQUIPMENT

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

PRESET

Please consult 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)

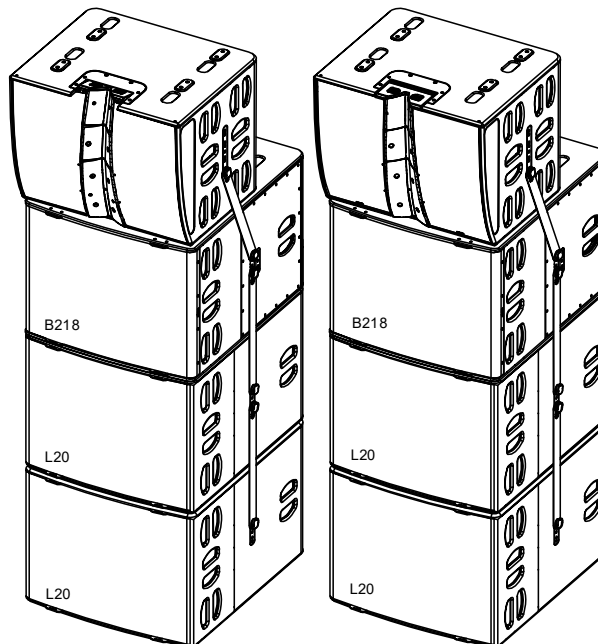
2x M210 Main modules can also be coupled upside down. In that case the 2x B218 should be immediately next to the 2x M210 modules or just below depending on stack height need.

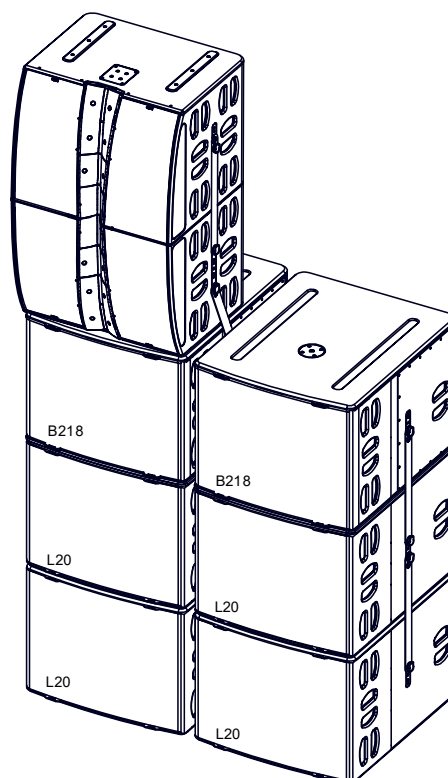
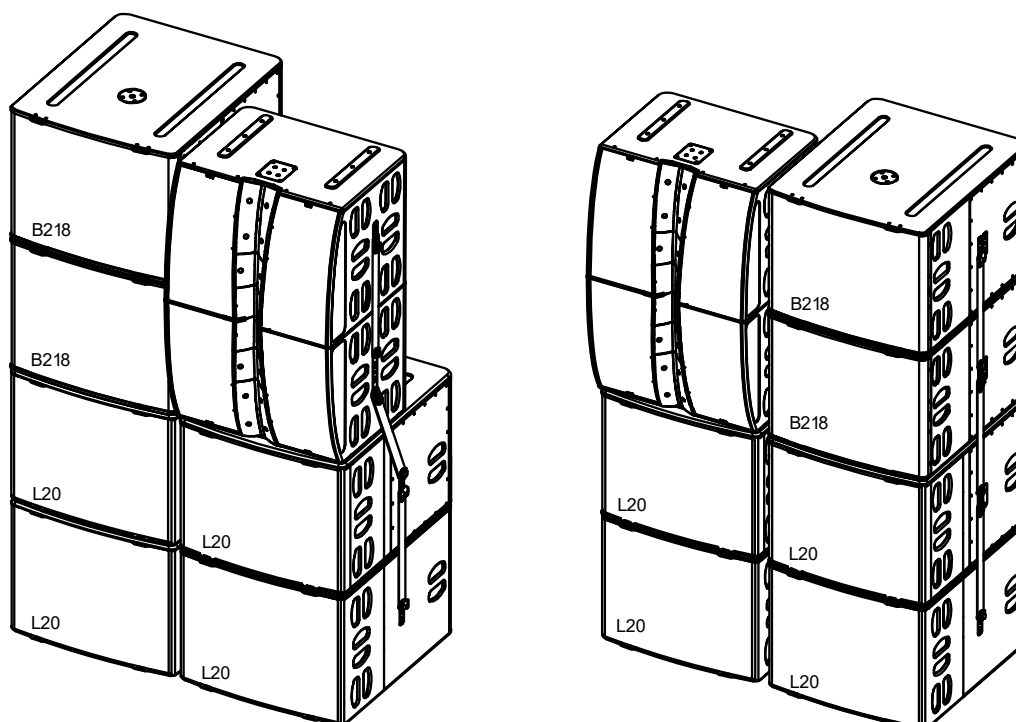
Only one DSP preset is available for the NEXO Alpha+ B218 bass module in the NXAMPmk2 amplifiers.

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

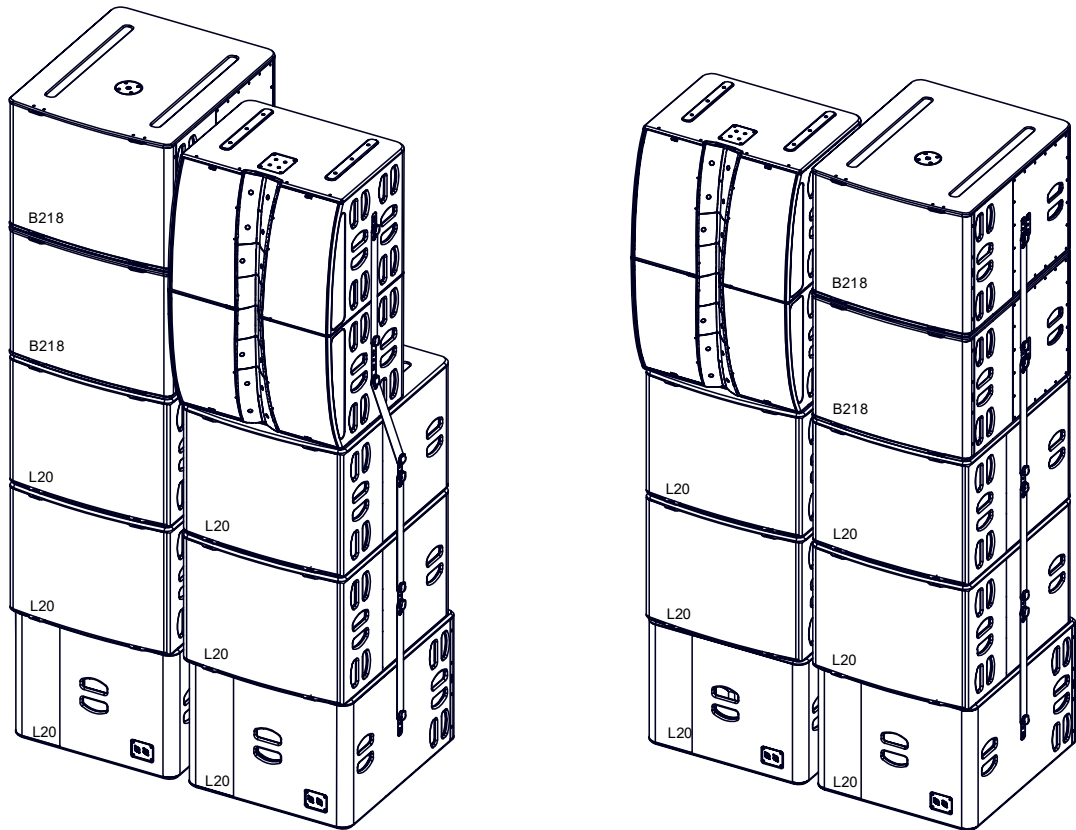
➤ STACK 1 Column:

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

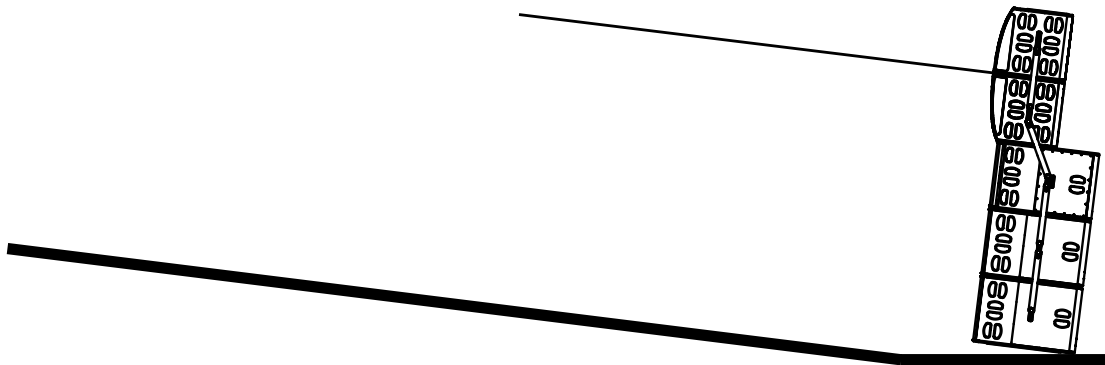


➤ **STACK 2 Cols****4x L20 / 2x B218 / 2x M210 (Narrow)****4x L20 / 2x B218 / 2x M210 (Narrow)**

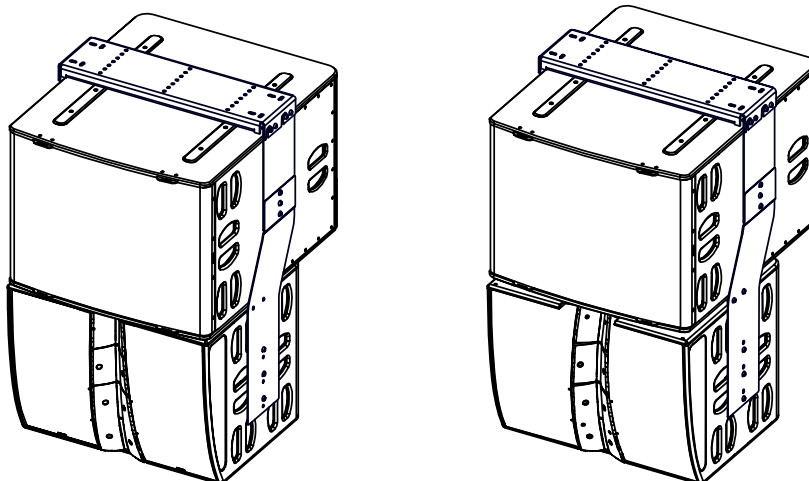
6x L20 / 2x B218 / 2x M210 (Narrow)



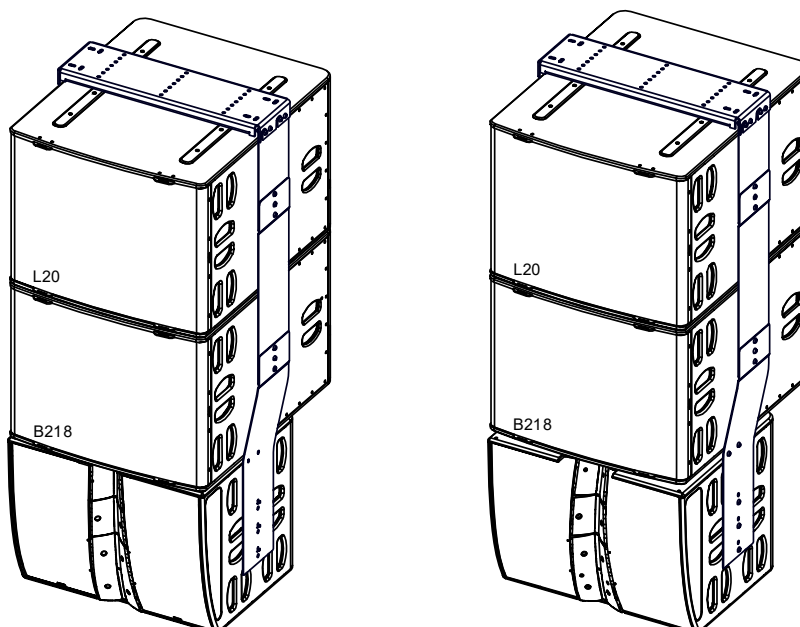
Tilt the unit so that the vertical HF dispersion axis is parallel to the audience floor.



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



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



ACCESSORIES

WARNINGS

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

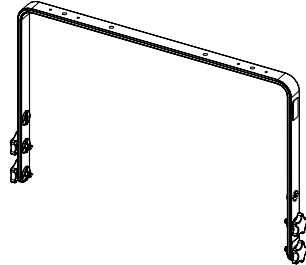
Never use other accessories – including push-pins – when assembling B218 cabinets than the ones provided by NEXO: NEXO will decline responsibility over the entire B218 accessory range if any component is purchased from different supplier.

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)

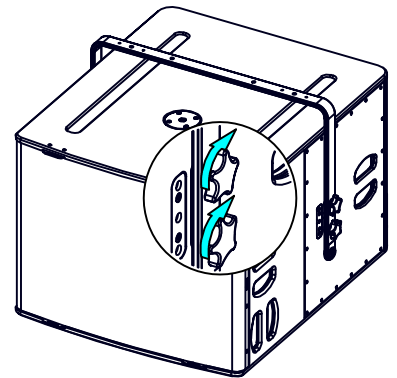
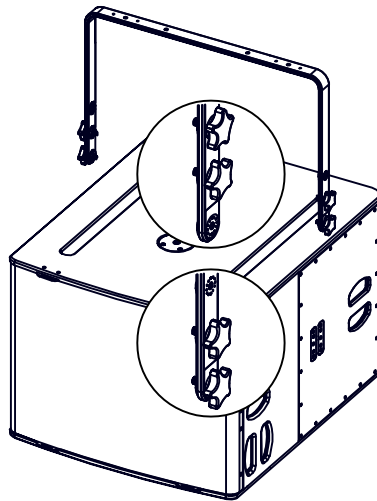
Horizontal Cradle, use with B218 CLADAPT.



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

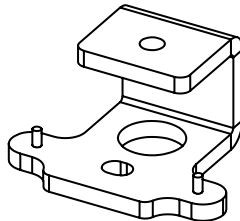
Tight properly.

Refer to the Product Data Sheet.



VNI-CLADAPT (PNI-CLADAPT)

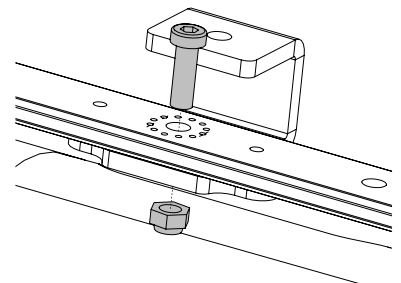
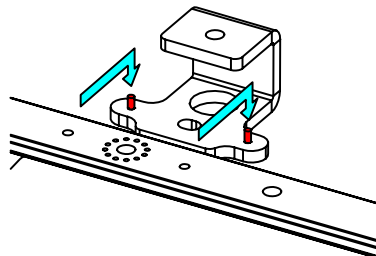
Ceiling adapter, use with VNU-HBRK01.



Screw CLADAPT to the ceiling (fasteners not provided).

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

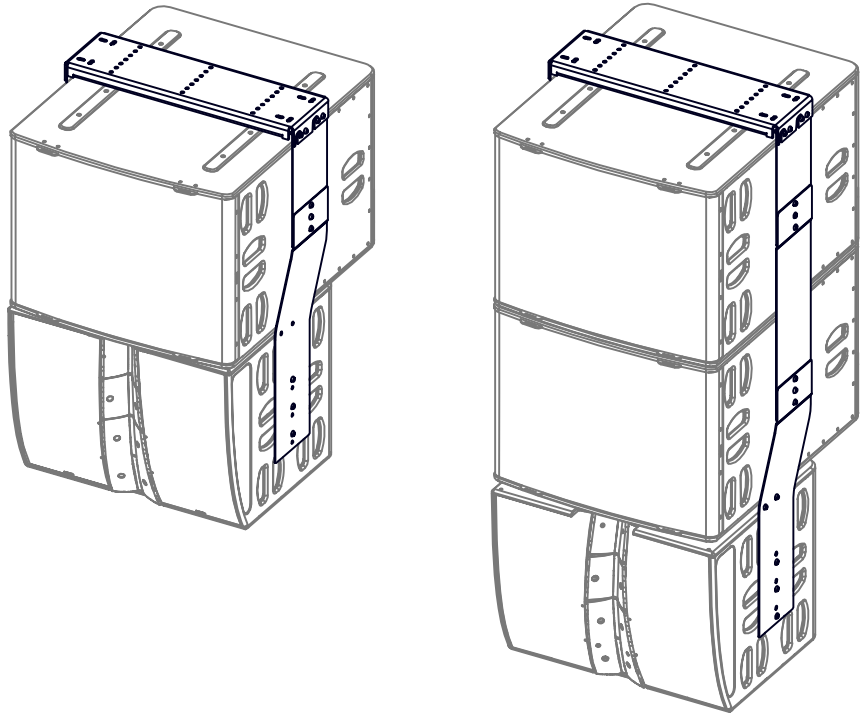
Refer to the Product Data Sheet.



ANI-LK02/03

Rigging System M210 under B218/L20

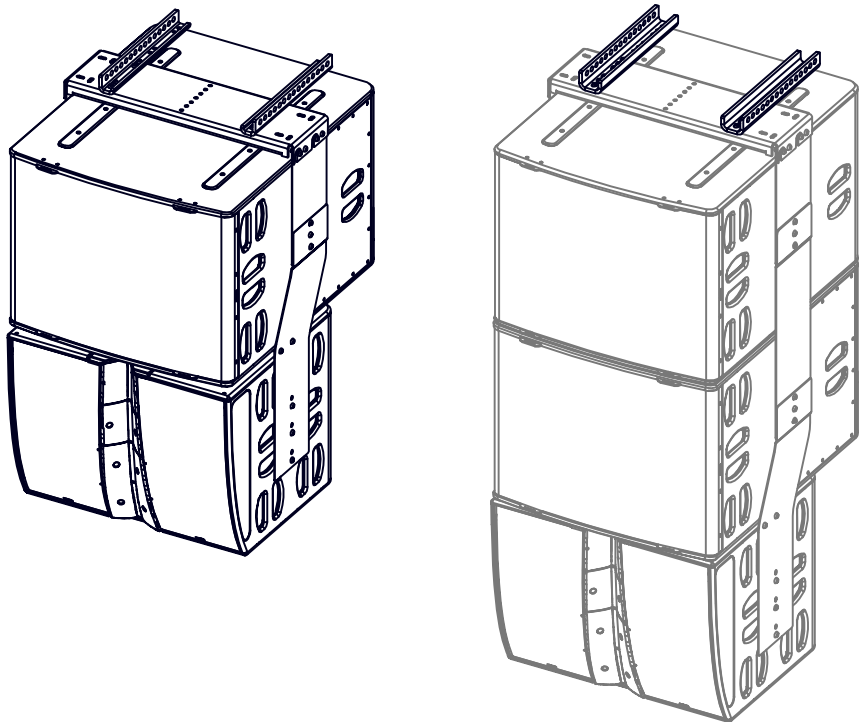
Refer to the Product Data Sheet.



ANI-EXB01

Extension bar for ANI-LKxx

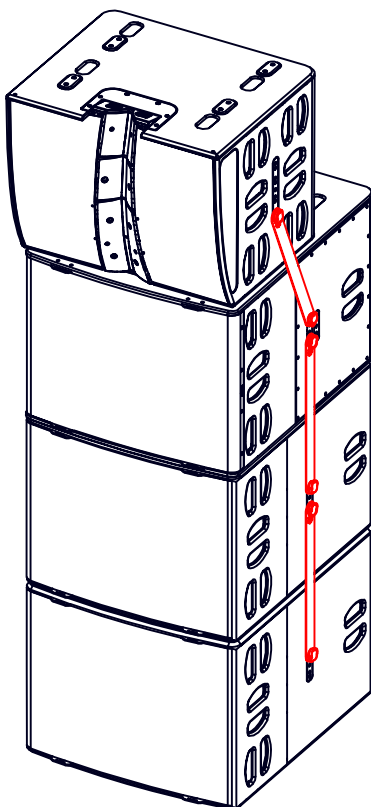
Refer to the Product Data Sheet.



VNI/VNT-CPL04

Link Bars

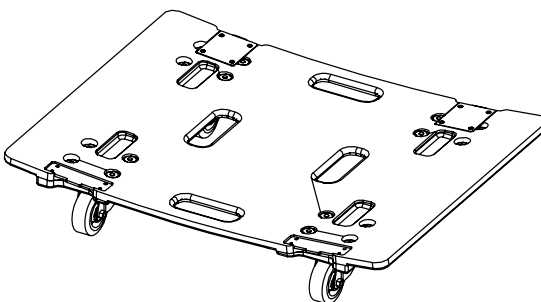
Refer to the Product Data Sheet.



VNT-WB01 (LNT-WB20)

Wheelboard

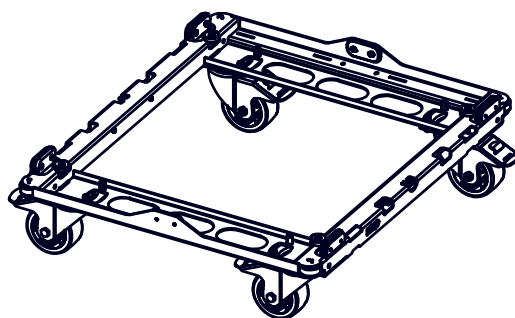
Refer to the Product Data Sheet.



VNT-DOLLY01

Dolly for 2 or 3 B218

Refer to the Product Data Sheet.



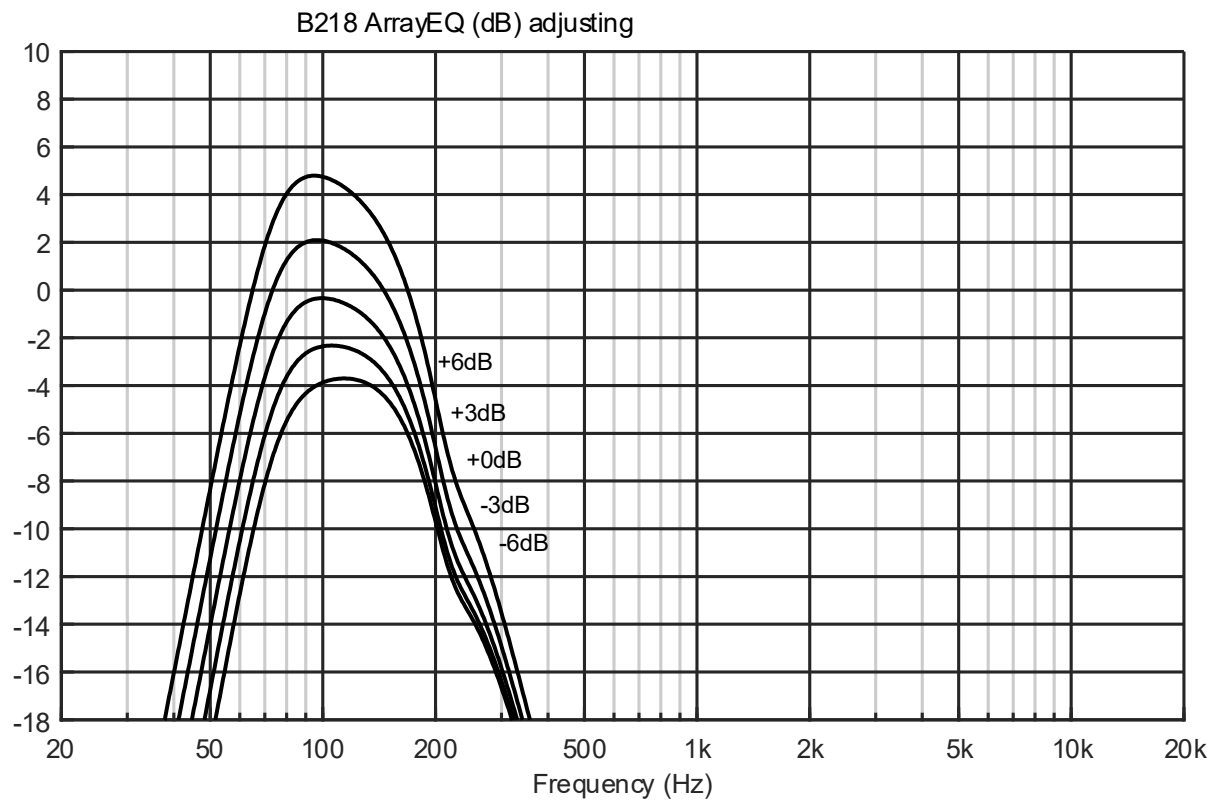
ANT-COV0218: COVER FOR B218 ON VNT-WB01

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

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

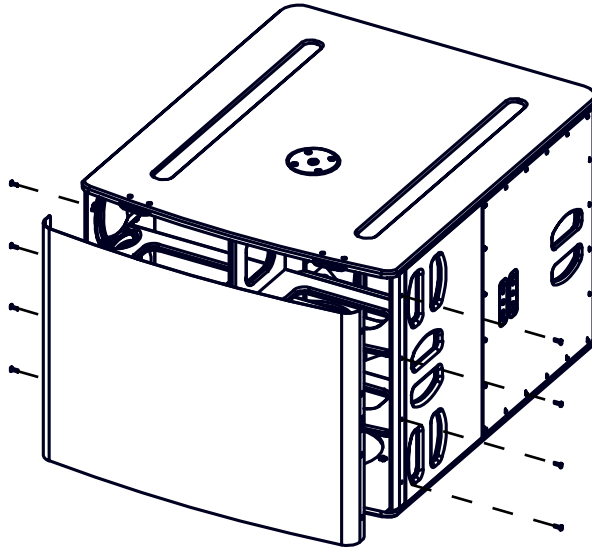
ARRAY EQ

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



MAINTENANCE

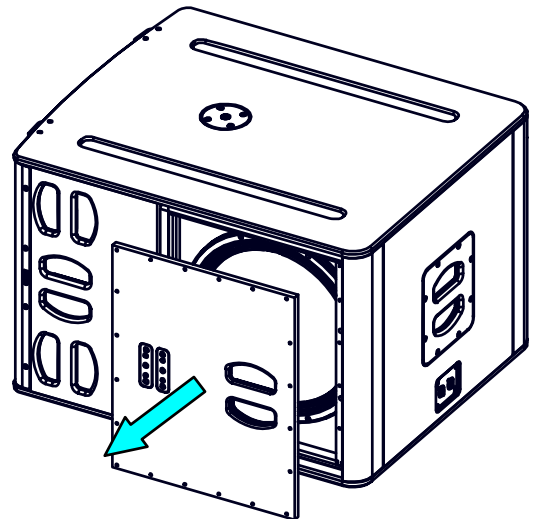
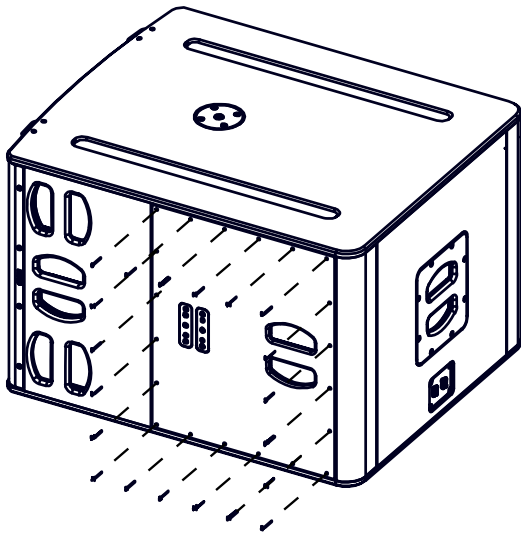
Grille Changing: Remove 8 screws



21" Driver

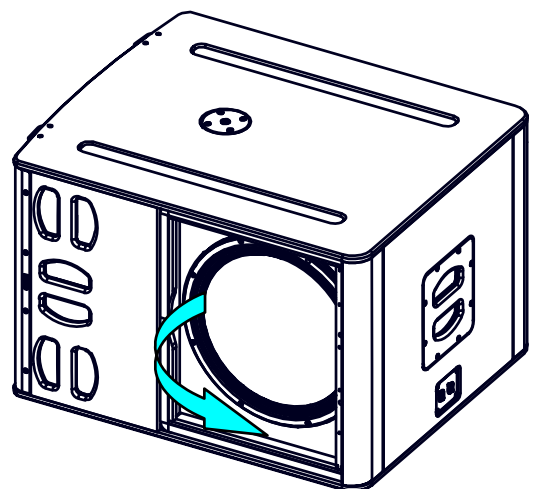
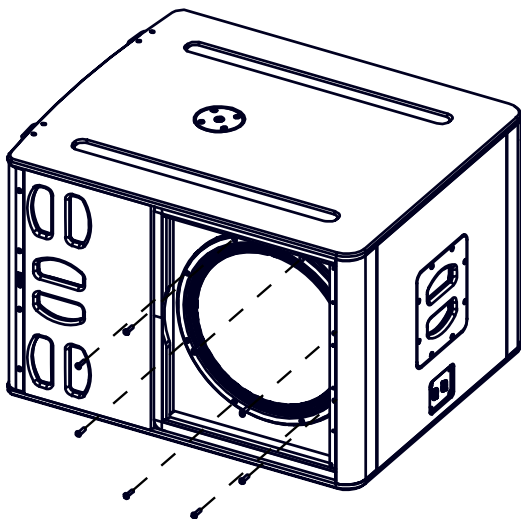
Remove 20 screws

Remove the trap



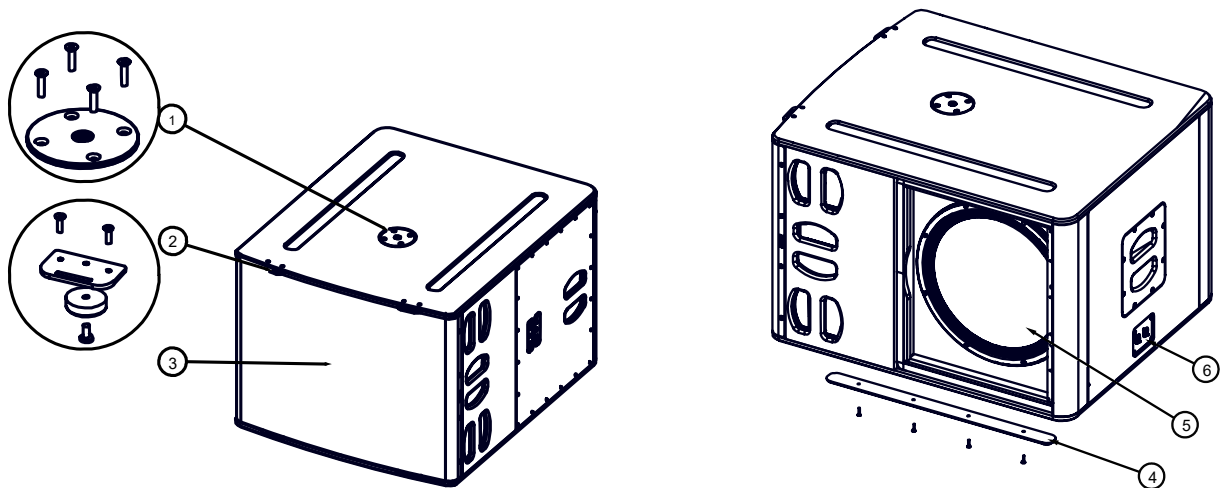
Remove 8 screws.

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

TECHNICAL SPECIFICATIONS

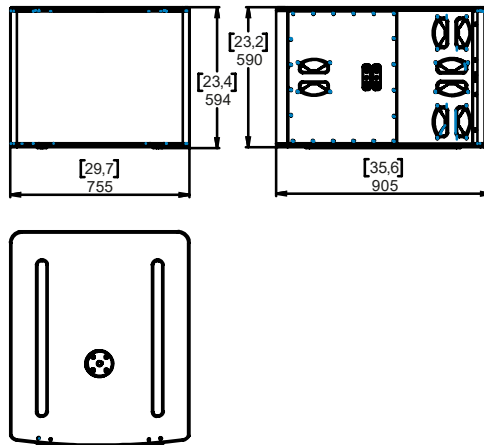
B218 WITH NEXO ELECTRONICS

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

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 Threated inserts on both sides for connection of mounting accessories Stand fitting M20
Connector	2x NL4, 4 poles connectors
Weight	77 kg / 170 lb

Dimensions
[inch] - mm



USER NOTES

NEXO S.A.

Parc d'activité de la Dame Jeanne
F-60128 PLAILLY

Tel: +33 3 44 99 00 70

Fax: +33 3 44 99 00 30

E-mail: info@nexo.fr

nexo-sa.com

NEXO