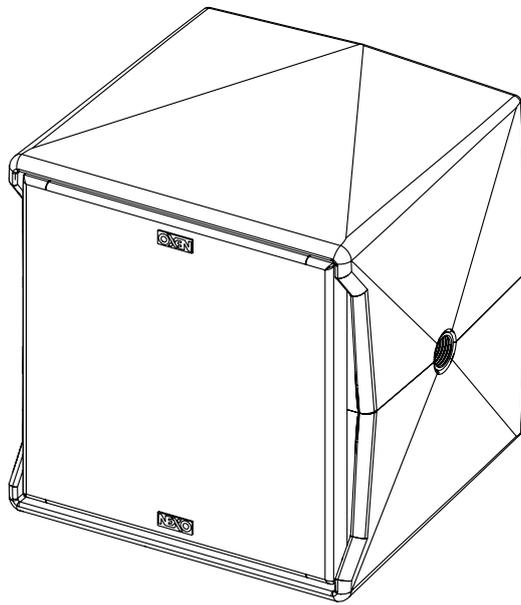


ID14 / ID14-I



User manual



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| EU Conformity declaration | |
|--|---|
| | We, NEXO SA ZA DU PRE DE LA DAME JEANNE 60128 PLAILLY – France |
| Declare under our sole responsibility that the product | Passive Loudspeaker |
| Type | ID14 |
| Serial number | On the product |
| Is in conformity with the provisions of the following directive including all applicable amendments: | 2014/35/UE (Low Voltage Directive) |
| Applied rules and standards: | EN 13155, EN 62368 |
| Plailly, August 2020 | Joseph CARCOPINO, R&D Director  |

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.

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 INFORMATIONS

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 |

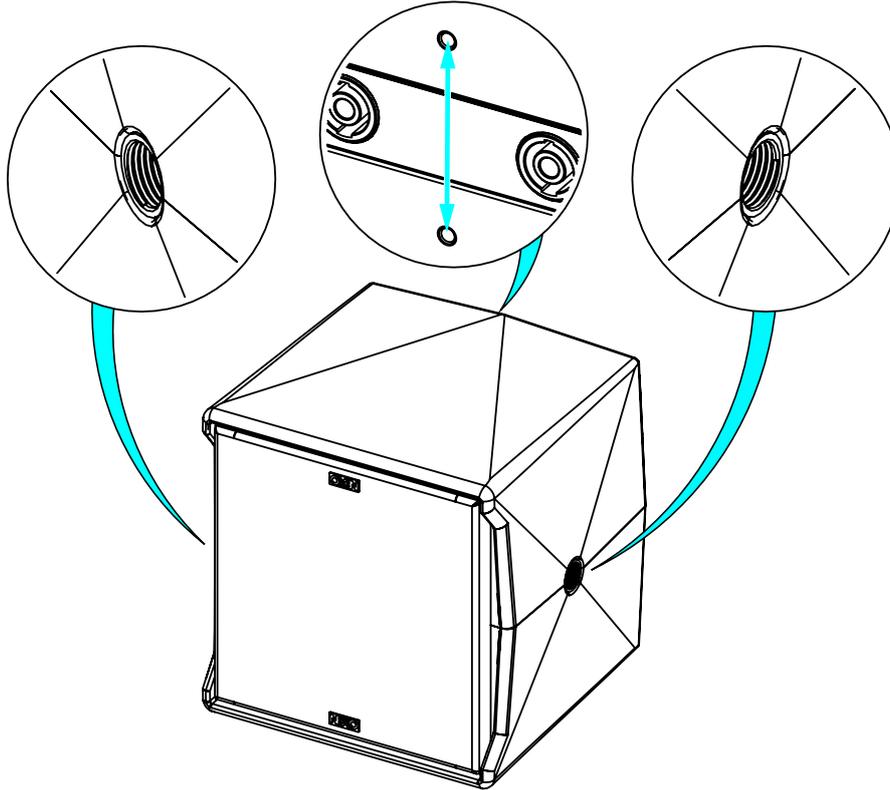
WASTE OF ELECTRIC OR ELECTRONIC EQUIPMENT



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 back (2x M6 / 73mm pitch) and on each side (1x M10).

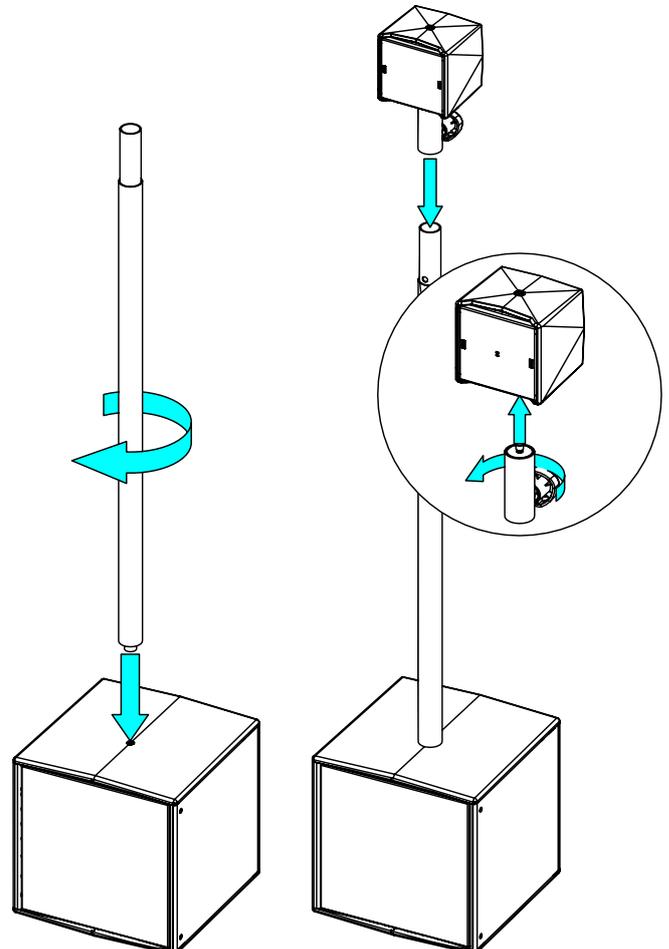


Assembly on distance rod or speaker stand

Place distance rod on the connector plate (M10) of the Sub.
Place ID14 on the distance rod / monitor stand

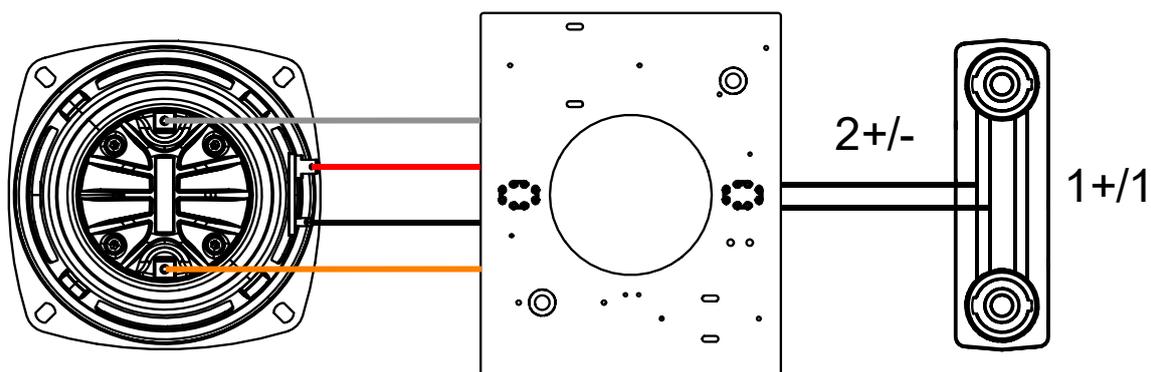
IMPORTANT

Speaker stand must be rated for ID14 weight.
Speaker stand must always be installed on a horizontal surface.
Stand height and footprint must be defined to prevent assembly from collapsing.
Ensure that audience is not allowed within a safety area which radius is equal or higher than assembly height.
Test steadiness of the assembly by pushing in all directions.



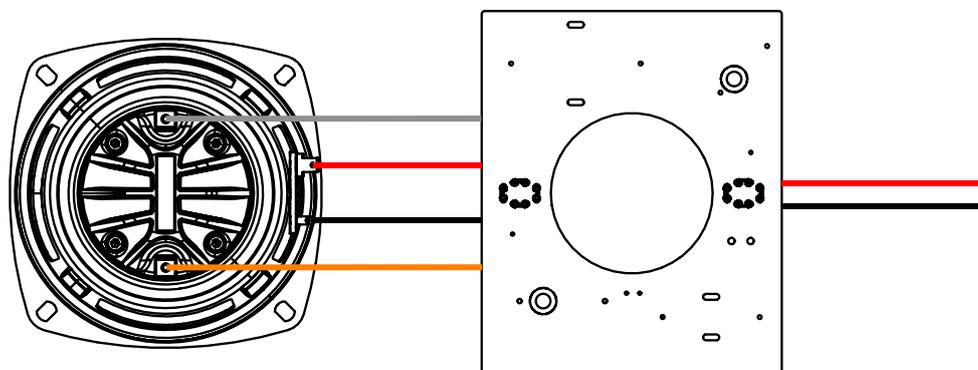
DESCRIPTION

- The ID14 is a compact full-range coaxial speaker
- ID14 HF Dispersion (upon ordering):
 - 100° - 100°: ID.14-I100100 / ID.14-I100100PW / ID.14-T100100 / ID.14-T100100PW
 - 90° - 140°: ID.14-I90140 / ID.14-I90140PW / ID.14-T90140 / ID.14-T90140PW
- Versions:
 - ID14t: for “Touring” applications, black, white.
 - ID14i: for fixed installations, black, white
- ID14 can be used alone or with IDS108 subwoofer.
- ID14t is equipped with two Speakon NL4 connectors with parallel-wired pins, one on each side and two on the back. ID14t use 2+/2-. The 1+/1- pins are used by the sub.



- ID14i is supplied with a fixed cable (HO7ZZ-F), 2x 0.75mm² section, length 2m, outside diameter 6.1mm ± 1mm.

(+): Brown / Red; (-): Blue / Black



- Amplification
 - The ID14 speakers 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 ID14 speakers and IDS108 subwoofers usable with each solution.

| | DTD + DTDAMP4X0.7 | DTD + DTDAMP4X1.3 | NXAMP4X1mk2 | NXAMP4X2mk2 | NXAMP4X4mk2 |
|--------|---------------------|---------------------|---------------------|---------------------|---------------------|
| ID14 | Up to 4 per channel | Up to 4 per channel | Up to 8 per channel | Up to 8 per channel | Up to 8 per channel |
| IDS108 | Up to 2 per channel | Up to 2 per channel | Up to 3 per channel | Up to 4 per channel | Up to 4 per channel |
| | Recommended | | | | |

Please consult nexo-sa.com for NEXO TD Controllers firmware information.

For the ID14, the following setups are available:

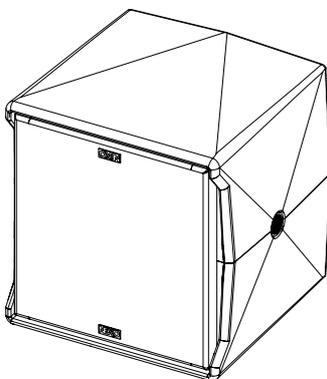
- MAIN is the recommended setup for most FOH application, similar to previous firmware setup.
- MONITOR is recommended for monitor applications. Warning: this setup is a low latency setup and therefore its phase is not compatible with other NEXO cabinets, including subs.

Preset

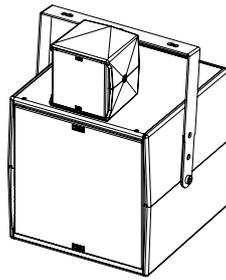
- ID14 MON PA 100100, with high pass at 120 or 150 Hz.
- ID14 MON PA 14090, with high pass at 120 or 150 Hz.

- ID14 MAIN PA 100100, with high pass at 120 or 150 Hz.
- ID14 MAIN PA 14090, with high pass at 120 or 150 Hz.

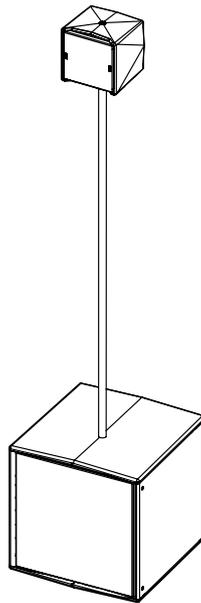
ID14



Front of house and stage monitor applications

ID14 + IDS108

Stage monitor applications with Sub



Front of house applications with Sub

CROSSOVER FREQUENCY

- 120 Hz: Default crossover, to be used without sub or with a small sub, e.g. IDS108.
- 150 Hz: Used for high level application, for « front fill » on stage, with a large main system.

ACCESSORIES

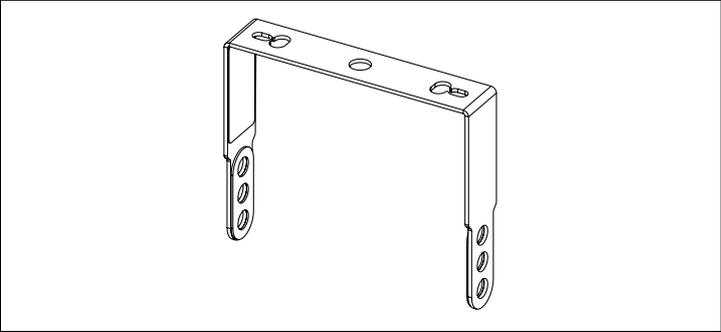
WARNINGS

All ID14 accessories are specifically rated in agreement with structural computations. Never use other accessories – including push-pins – when assembling ID14 cabinets than the ones provided by NEXO: NEXO will decline responsibility over the entire ID14 accessory range if any component is purchased from different supplier.

PROHIBITED: ID14 below ID14 or ID14 below IDS108 without dedicated accessory

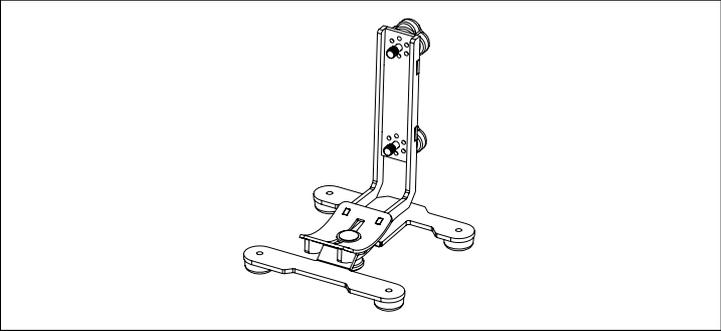
IDT-HBRK14

Bracket for Touring or fixed use.



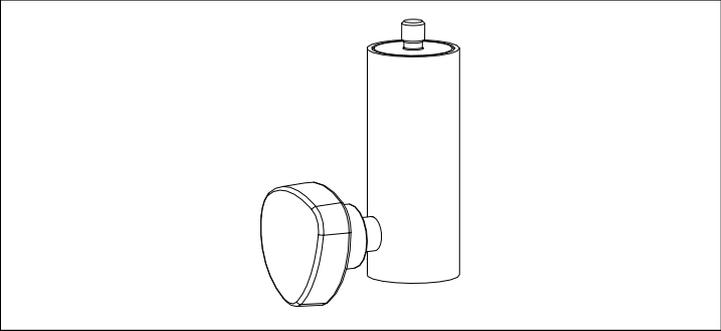
IDT-GSTK14

Ground stacking accessory.



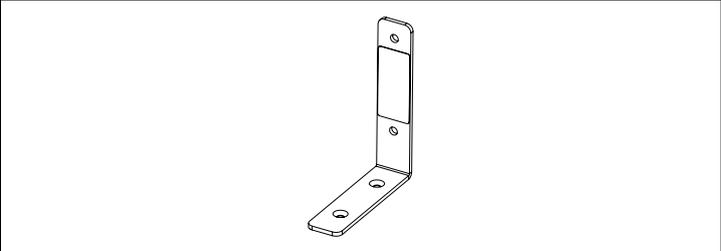
IDT-TVP

Bolt adapter M10 to 35mm.

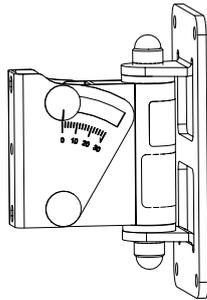


IDI-14TO108

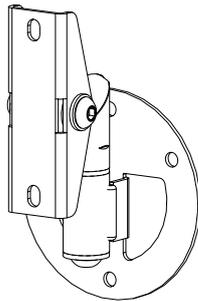
Adapter for ID14 on IDS108.



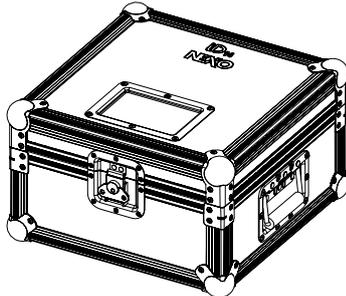
IDI-WM01

| | |
|---------------------------------------|---|
| <p>Speaker wall mount; 0° to 30°.</p> |  |
|---------------------------------------|---|

IDI-WB02

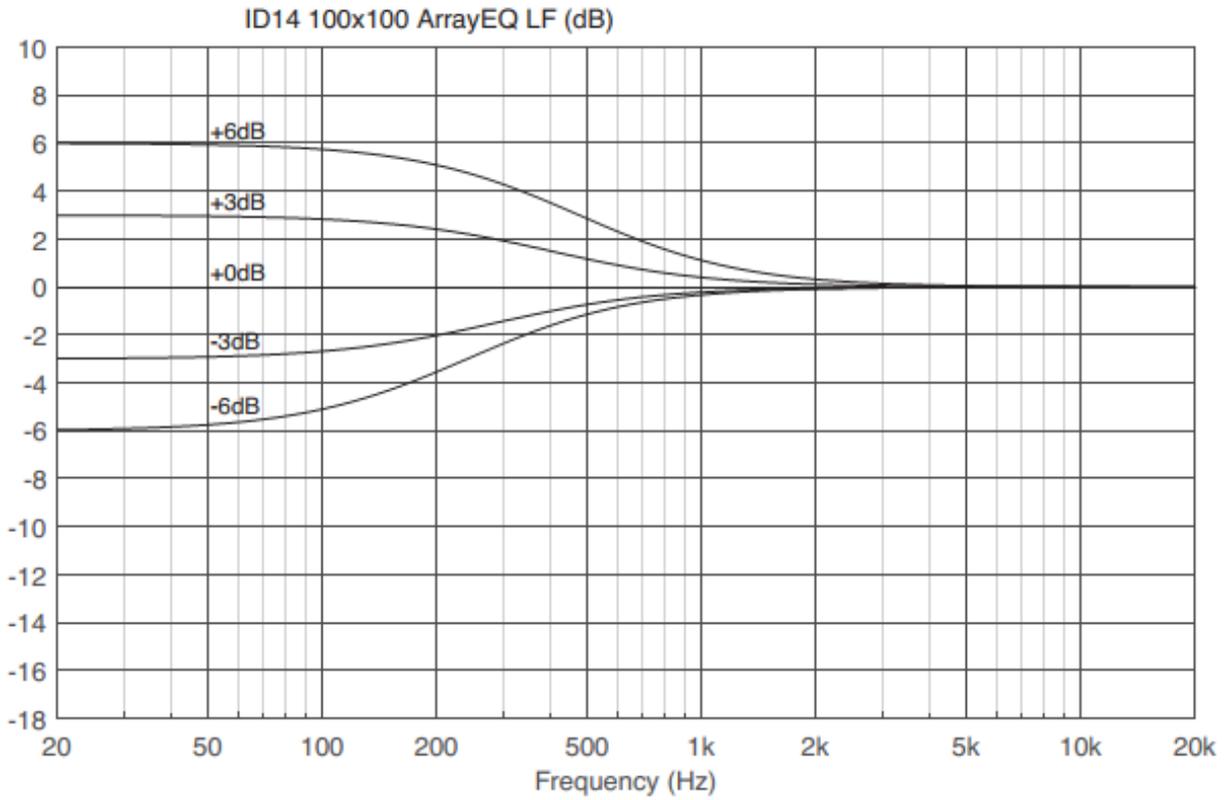
| | |
|-------------------------------------|---|
| <p>Universal speaker wall mount</p> |  |
|-------------------------------------|---|

IDT-4CASE14

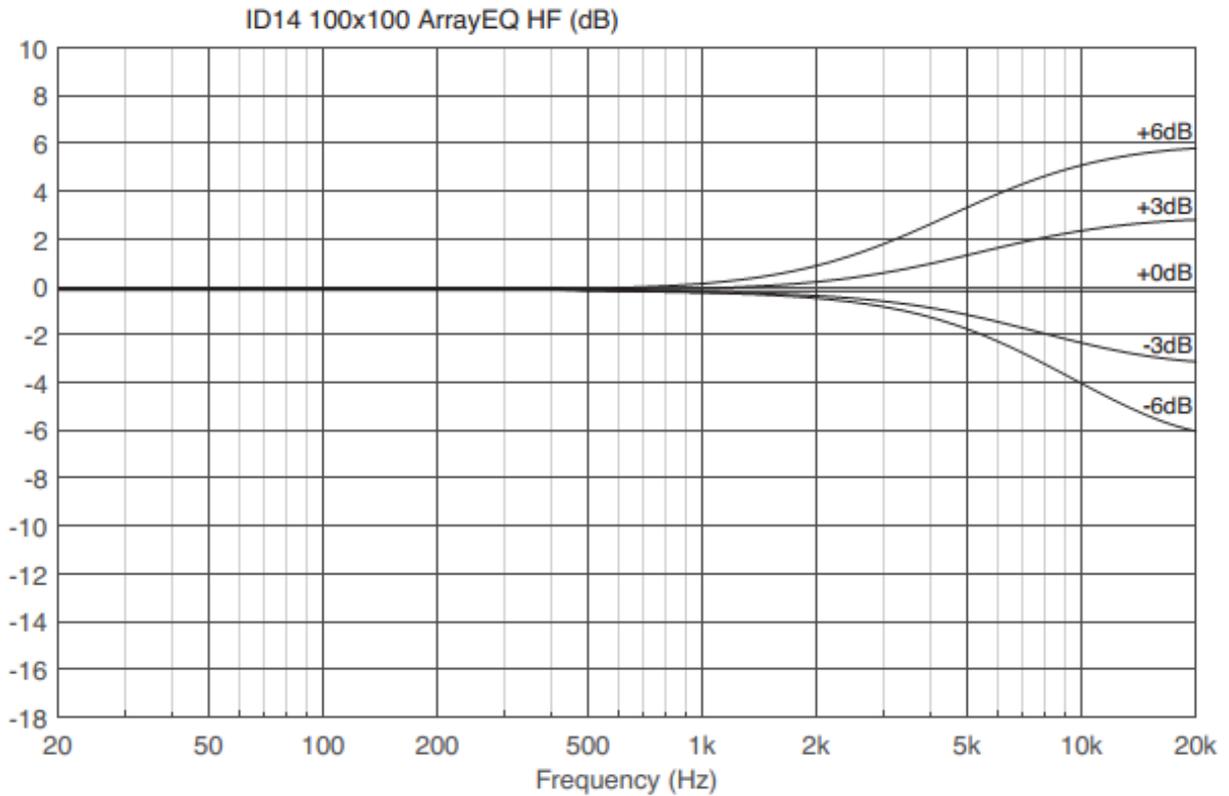
| | |
|--|---|
| <p>Flight case for 4x ID14 and accessories</p> |  |
|--|---|

ARRAY EQ

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



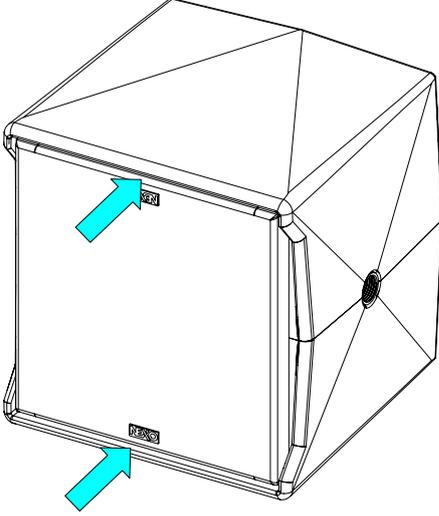
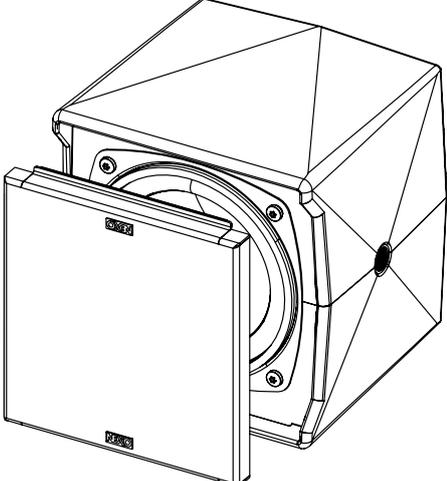
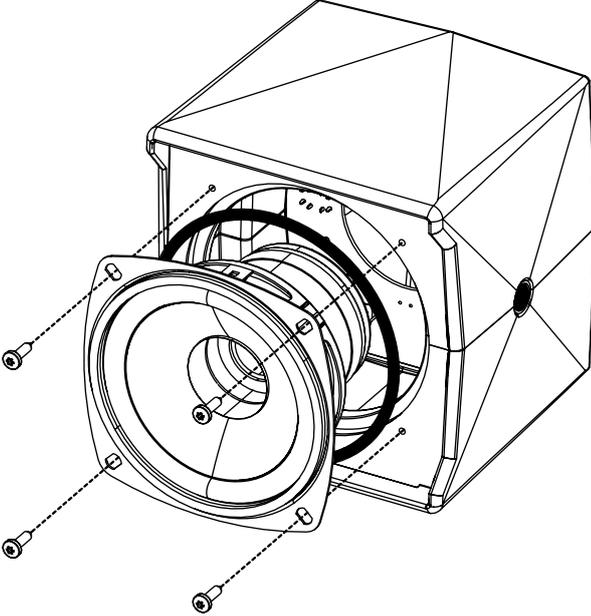
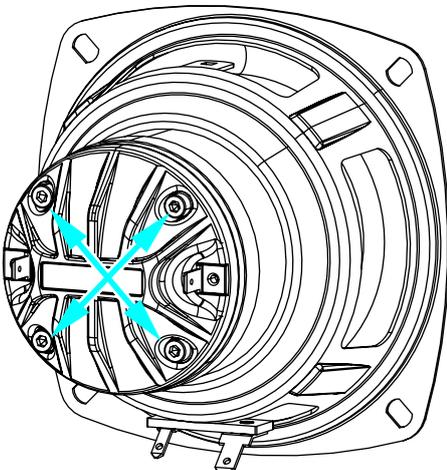
ArrayEQ HF: only available on NXAMPmk2



MAINTENANCE

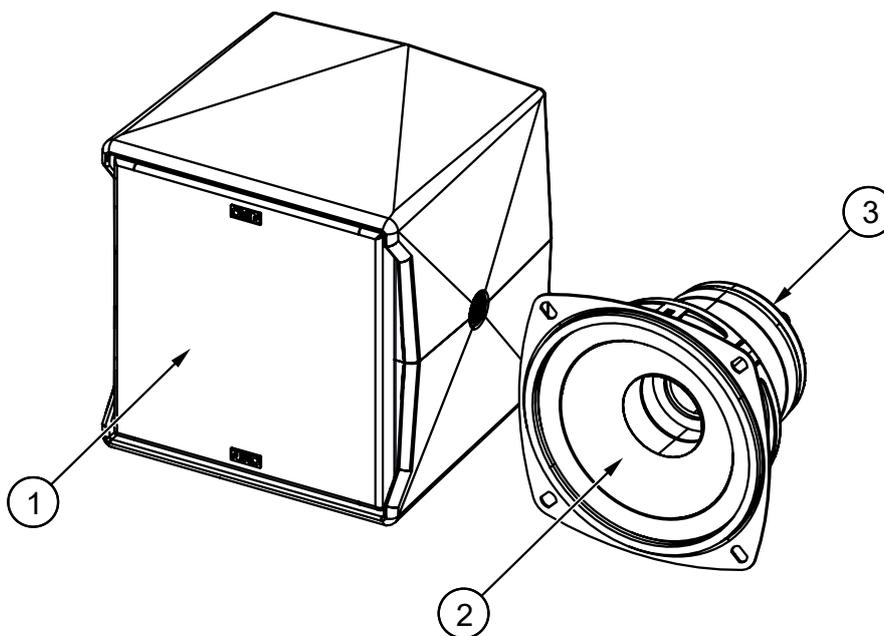
NOTE:
Speakers and Grills can be sent back to NEXO for recycling

Driver access

| | | | |
|---|--|--|---|
| 1 | Place a flat screwdriver in the space between the grille and the cabinet to unlock the grille. | 2 | Remove the grille |
|  | |  | |
| 3 | Remove 4 screws to access to the speaker, make sure the gasket is correctly located when reassembling. | 4 | To access to the HF diaphragm, remove 4 screws. |
|  | |  | |

MAINTENANCE

Spare parts



| MARK | QUANTITY | REFERENCE | DESIGNATION |
|-------|----------|-------------|-------------------------------------|
| 1 | 1 | 05ID14T-A | Complete grille Touring Black |
| | 1 | 05ID14T-APW | Complete grille Touring White |
| | 1 | 05ID14I-A | Complete grille Installation Black |
| | 1 | 05ID14I-APW | Complete grille Installation White |
| 2 (a) | 1 | 05HPC4-100 | HP 4" Coaxial 100x100 (with gasket) |
| | 1 | 05HPC4-140 | HP 4" Coaxial 90x140 (with gasket) |
| 3 | 1 | 05NHP4R/K | HF Diaphragm (with gasket) |

(a) PAY ATTENTION TO THE DIRECTIVITY OF THE DRIVER WHEN ORDERING

TECHNICAL SPECIFICATIONS

ID14 WITH NEXO ELECTRONICS

| Model | ID14 |
|-------------------------------|----------------------|
| Frequency range (± 6 dB) | 95 Hz – 20 kHz |
| Peak SPL Level (1m) | 116dB Peak |
| Operating voltage | 20Vrms (105Vpeak) |
| HF dispersion (upon ordering) | 100°x100° - 90°x140° |
| Crossover Frequency | 120Hz – 150 Hz |
| Nominal Impedance | 16 Ω |

SPECIFICATIONS

| Model | ID14 |
|--------------|--|
| Components | 1x Coaxial LF: 4" - 16 Ω long excursion & HF:1.4 " - 8 Ω - Neodymium driver |
| Material | Polyurethane |
| Finish | Black: raw sandblasted White: structural paint |
| Front finish | Magnelis® Steel front grille (Touring version) UV resistant acoustic fabric fitted front grille (Install version) |
| Fittings | 1x M10 on each side for dedicated U bracket 2x M6 / 73mm pitch at the back |
| Connector | 2x NL4, 4 poles connectors (Touring version) 1x Cable gland with 2 cores cable (Install version) |
| Weight | 1.7 kg / 3.7 lb |

| | |
|------------|---|
| Dimensions | <p>Technical drawing showing three views of the ID14 speaker: a top view, a side view, and a front view. The top view shows a square with dimensions [5,1] and 130. The side view shows a square with dimensions [4,7] and 120. The front view shows a square with a diagonal line.</p> |
|------------|---|

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