

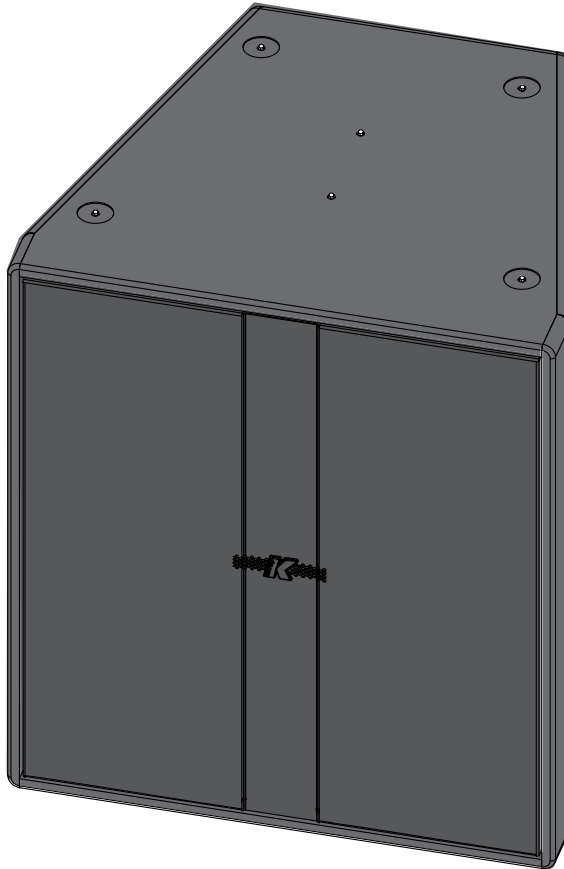
Dragon-KXT18P

Passive 18" triaxial full-range point source speaker for high SPL applications

USER GUIDE



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K-ARRAY
Unique Audio Solutions

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IMPORTANT SAFETY INSTRUCTIONS



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



ATTENTION: RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



This symbol alerts the user to the presence of recommendations about the product's use and maintenance.



The lighting flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated, dangerous voltage within the product enclosure that may be of magnitude to constitute a risk of electrical shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in this guide.



Operator's manual; operating instructions

This symbol identifies the operator's manual that relates to the operating instructions and indicates that the operating instructions should be considered when operating the device or control close to where the symbol is placed.



For indoor use only

This electrical equipment is designed primarily for indoor use.



WEEE

Please dispose of this product at the end of its operational lifetime by bringing it to your local collection point or recycling center for such equipment.



This device complies with Restriction of Hazardous Substances Directive.



WARNING
Failure to follow these safety instructions could result in fire, shock or other injury or damage to the device or other property.

General heed and warnings

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat
- Do not defeat the safety purpose of the polarized or grounding plug. A polarized plug has two blades with one wider than the other. A grounding plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Only use attachments/accessories specified by the manufacturer.
- Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles, and at the point where they exit from the apparatus.
- Clean the product only with a soft and dry fabric. Never use liquid cleaning products, as this may damage the products cosmetic surfaces.
- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Avoid placing the product in a location under direct sunlight or near any appliance that generates UV (Ultra Violet) light, as this may change the product surface finishing and cause a change in color.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.
- WARNING: Only use attachments/accessories specified or provided by the manufacturer (such as the exclusive supply adapter, battery, etc.).
- Before turning the power on or off for all devices, set all volume levels to minimum.
- Use only speaker cables for connecting speakers to the speaker terminals.



This apparatus is intended for professional use.

Installation and commissioning may only be carried out by qualified and authorized personnel.

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- Be sure to observe the amplifier's rated load impedance particularly when connecting speakers in parallel. Connecting an impedance load outside the amplifier's rated range can damage the apparatus.
- K-array cannot be held responsible for damage caused by improper use of the loudspeakers.
 - K-array will not shoulder any responsibilities for products modified without prior authorization.

CE Statement

K-array declares that this device is in compliance with applicable CE standards and regulations. Before putting the device into operation, please observe the respective country-specific regulations!



Trademark Notice

All trademarks are the property of their respective owners.

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Thank you for choosing this K-array products!

To ensure proper operation, please carefully read the owner's manuals and safety instruction before using the products.

After reading this manual, be sure to keep it for future reference.

Should you have any questions about your new device please contact K-array customer service at support@k-array.com or contact the official K-array distributor in your country.

The Dragon-KXT18P is a high-output, full-range loudspeaker system engineered for demanding professional audio applications. Utilizing an advanced tri-axial configuration, the KXT18P features a high-excursion 18" low-frequency transducer, coupled with two coaxially mounted compression drivers: a 2" high-frequency (HF) unit and a 4" mid-frequency (MF) unit. This design ensures exceptional phase coherence and a wide, uniform dispersion pattern.

Capable of a maximum SPL of 144dB (half space) and with a frequency response down to 50Hz (-10dB), the system delivers powerful, full-spectrum audio ideal for high-SPL venues, clubbing environments, and DJ monitoring.

The enclosure is constructed from robust birch plywood, ensuring durability and optimal acoustic performance through minimized resonance. The front grille is removable, allowing users to expose the integrated coaxial horn assembly.

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Key Features

- Transducer Configuration: 1 x 18" LF woofer, 1 x 4" MF coaxial compression driver, 1 x 2" HF coaxial compression driver.
- Frequency Response (-6dB): 48 Hz - 18kHz
- Maximum SPL (half space): 144 dB
- Enclosure Material: Birch plywood
- Design Feature: Removable front grille to showcase the coaxial silver horn.

Applications

This loudspeaker system is ideally suited for high-SPL applications in live sound reinforcement, fixed installations, and demanding DJ/club environments where clarity, power, and wide bandwidth are critical.

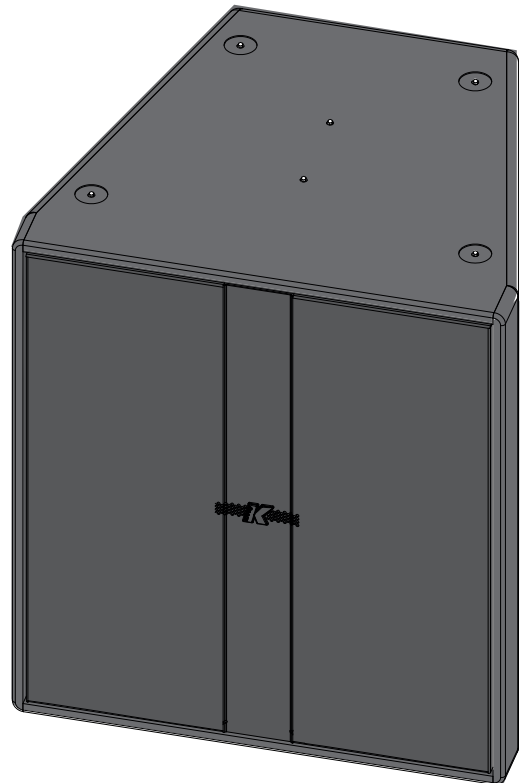
Unpacking

Package Contents

Each K-array product is built to the highest standard and thoroughly inspected before leaving the factory.

Upon arrival, carefully inspect the shipping carton, then examine and test your new device. If you find any damage, immediately notify the shipping company.

- A. 1x Dragon-KXT18P



System Configurations

1. Using the Dragon-KXT18P as a Single Speaker

The Dragon-KXT18P is a high-performance, full-range point source loudspeaker designed for high-SPL applications such as clubs, live music venues, and performance spaces. Its coaxial and triaxial design ensures extended low-frequency response and clear high-frequency reproduction, making it effective even without additional subwoofers in many installations.

2. Using the Dragon-KXT18P in Curved Arrays (vertical and horizontal)

The Dragon-KXT18P is also suitable for use in horizontal or vertical curved arrays, allowing flexible deployment in larger or asymmetrical venues. I

- *its rotatable horn* enables optimization of the dispersion pattern based on the array orientation—either for wide horizontal coverage or for extended vertical throw.

This makes the Dragon-KXT18P an excellent choice for applications that required

- Distributed horizontal coverage across wide audience areas.
- Precise vertical control for long-throw needs or sloped/tiered seating.
- Modular scalability for both indoor and outdoor installations.

Cluster configurations can be customized using fixed mechanical angles between elements, with optional horn adjustment depending on the application.

3. Indoor Installation Guidelines

- **Mounting Height**

For optimal sound distribution, install the speaker at a height that allows even coverage of the listening area.

- **Wall Mounting**

When wall-mounted, angle the speaker slightly inward to reduce unwanted reflections and improve intelligibility.

- **Boundary Placement**

Installing the speaker near walls or corners may increase low-frequency output. Apply equalization if necessary to maintain a balanced sound profile.

4. Extending Low-Frequency Performance

To enhance low-frequency reproduction, the Dragon-KXT18P can be paired with Thunder-KS subwoofers, stacked below the speaker in a left/right (L/R) ground stack.

This setup works especially well for outdoor near-field applications, where listeners are positioned close to the system.

5. Horn Rotation

The Dragon-KXT18P features a rotatable horn, allowing for precise adjustment of the coverage pattern to suit each installation scenario.

- Rotate the horn to achieve either:
 - H.60° / V.40° → for wide horizontal coverage
 - H.40° / V.60° → for deep vertical throw

This flexibility makes the speaker suitable for a wide variety of configurations, including single use, ground stacks, and curved arrays.

Tip: Always align the horn orientation with the acoustic goals of the installation—whether maximizing width or depth of coverage.

Configuration Options

1. Single Speaker Configurations

- **Standalone Use**
 - Operates as a full-range, high-output point source loudspeaker.
 - Recommended for compact, high-SPL applications such as clubs and indoor live shows.

2. Single Ground Stack (L/R)

- **Combine on stack with one Thunder-KS (per side)**
 - The speaker can be mounted horizontally, with the horn rotated to achieve optimal horizontal coverage.
 - This enhances lateral sound dispersion, extends low-frequency response, and increases overall SPL.
- **Dual Subwoofers Ground Stack Configurations (Extended low-F and high SPL)**
- **Horizontal Horn Orientation (H.60° / V.40°)**
 - One Dragon-KXT18P speaker is stacked in horizontal on top of two subwoofers one on the top of the other (stacked) - with dedicated stacking plates hardwares
 - Horns are default oriented for 60° horizontal and 40° vertical dispersion.
 - Suitable for venues requiring wide horizontal coverage in near-field setups.
 - Benefits include improved SPL and low-frequency coupling through acoustic interaction.
- **Vertical Horn Orientation (H.40° / V.60°)**
 - Horns are rotated to provide 60° vertical and 40° horizontal dispersion.
 - Ideal for sloped or tiered audience areas, or when mounting height is limited and front-to-back throw is required.

! Note: Narrower horizontal dispersion limits side coverage. Vertical coupling may cause lobing or phase issues—ensure proper spacing and alignment.

3. Curved cluster array Configurations

- **Horizontal curved cluster array**
 - Takes advantage of the 60° horizontal dispersion to achieve seamless left-to-right coverage.
 - Best suited for distributed near-field systems.
- **Vertical curved cluster array**
- **Elements are arranged with fixed angles between them.**
- **The horn can be rotated depending on the desired throw pattern:**
 - H.60° / V.40°: for wide horizontal coverage
 - H.40° / V.60°: for long-throw vertical coverage, e.g., in large halls or arenas

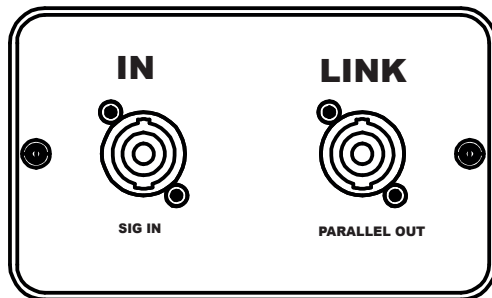
While these suggested configurations are currently outlined in this chapter, more detailed information and comprehensive guidance will be provided in the upcoming revision of the user guide.

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Rear Panel

Each Dragon-KXT18P is equipped with 2x SpeakON NL4 connector - **IN** and **PARALLEL OUT / LINK** - for signal input and signal distribution through other speakers in parallel.



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Wiring

The KXT18P is a bi-amplified full-range speaker system featuring three coaxial components: a woofer, two drivers, and horn, covering low to high frequencies. It receives input via a SpeakON NL4 connector, which carries two separate circuits: pins 1+/1- feed the mid/high frequency components, while pins 2+/2- provide the low-frequency woofer signal. This design allows independent amplification of low and mid/high sections, optimizing power distribution, frequency response, and phase alignment.

KXT18P Speaker Wiring Overview

Speaker triaxial components:

- 18" Woofer (Low frequencies)
- 2x Compression drivers: 4" compression driver for Mid frequencies + 2.5" compression driver for high frequencies reproduction

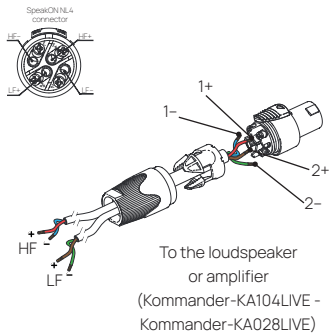
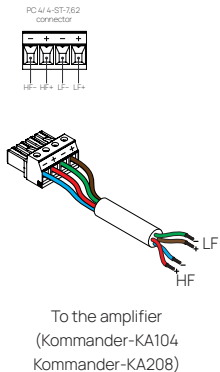
Input Connector:

- SpeakON NL4, 4-pin connector

Pin Assignments:

- Pins 1+ / 1-: Signal for Mid/High frequency components (compression drivers)
- Pins 2+ / 2-: Signal for Low frequency component (Woofer)

KXT18P	2x NL4 speakON	Polarity - NL4 speakON		Amp Channels
HIGH / MID	IN	1+	1-	CH1
LOW	IN	2+	2-	CH2
HIGH / MID	LINK	1+	1-	CH1
LOW	LINK	2+	2-	CH2



Amplification Requirements

Amplification Requirements

The KXT18P is a bi-amplified loudspeaker, requiring two independent amplifier channels:

Woofer (LF): 1600 W @ 4 Ω (minimum load: 4 Ω)

Mid/High section (MHF): 380 W @ 8 Ω (minimum load: 8 Ω)

Each amplifier channel must be capable of delivering adequate power at the specified impedance.

Parallel Connection Guide

When connecting multiple KXT18P units in parallel, remember that the total impedance decreases:

- The woofer section has a nominal impedance of 4 Ω. Do not connect more than one woofer section in parallel per amplifier channel, unless the amplifier is explicitly rated for 2 Ω operation.
- The mid/high section has a nominal impedance of 8 Ω. Do not connect more than one mid/high section in parallel per amplifier channel.

Never allow the total impedance to drop below the specified minimum (4 Ω for LF, 8 Ω for MHF). Exceeding these limits may cause amplifier overload, distortion, or permanent damage to both the amplifier and the loudspeaker.

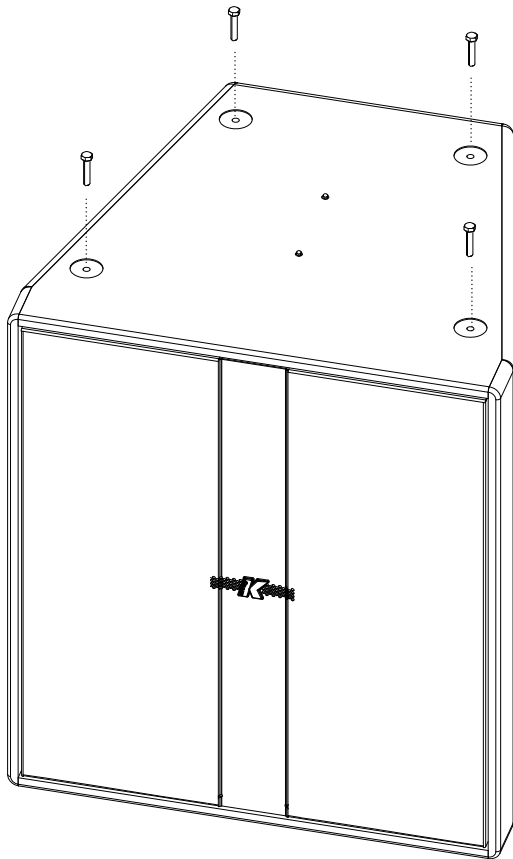
Section	Power handling	Nominal impedance	Minimum Amplifier Load
Woofer 18" (LF)	1600 W @ 4Ω	4Ω	4 Ω
Drivers 4" / 2.5" (MH)	380 W @ 8Ω	8Ω	8 Ω
System requirements			
LF 4 Ω, MHF 8 Ω AMPLIFIER MUST BE STABLE DOWN TO 4 Ω			

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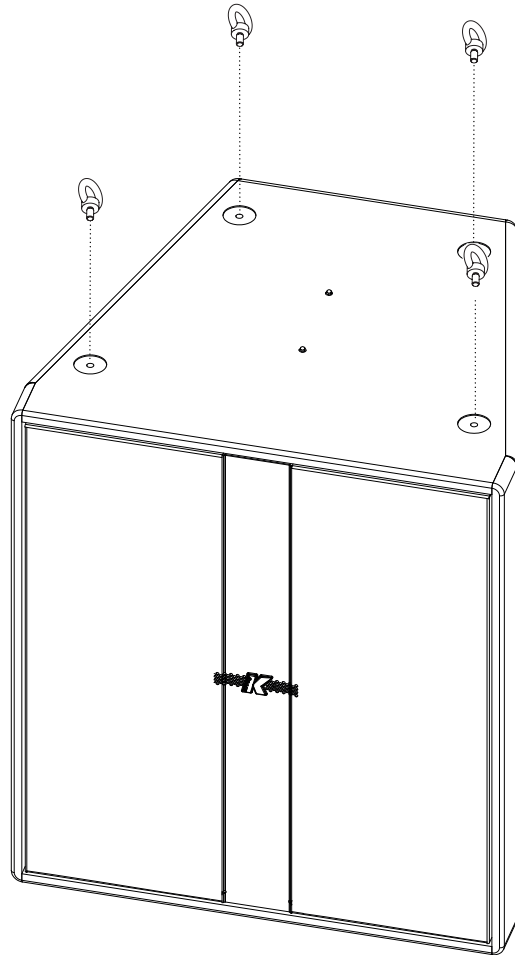
Vertical Single-Element Suspension with M8 eyebolts

A single KXT18P can be suspended in vertical configuration using the 4x M8 commercial eyebolts .



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First, remove the factory M8 screws located at the corners, then attach chains and M8 eyebolts to the four suspension points, making sure they are securely fastened to the truss.



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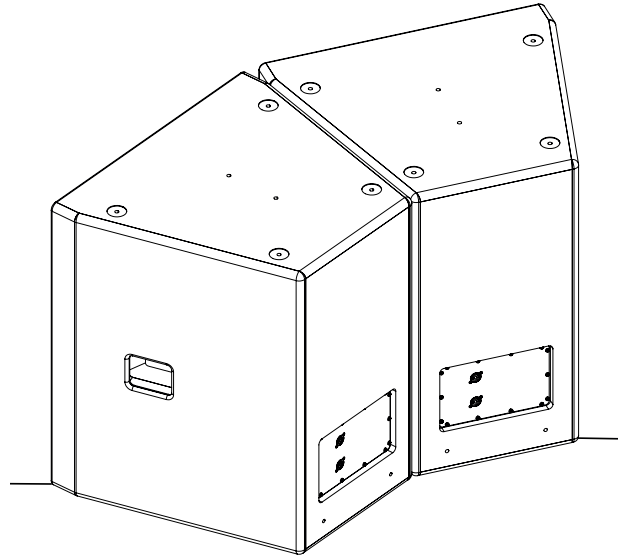
Horizontal curved cluster set-up

Required accessories

Bill of material	
up to 2 K-FLYKXT1218H suspension kit	L Bumper + 4x M8 bolts and linking joints + M8 bolts - kit for suspending 2x KXT18P in horizontal cluster
n SpeakON NL4	SpeakON NL4 connectors for wiring the speakers in cluster configuration

1. For horizontal cluster assembly, it is recommended to place the speakers on the ground, close to each other (the aiming angles of the individual speakers are fixed).
2. First, connect the speakers using the connection kit, securely fastening the plate to the rear M8 inserts with the dedicated M8 bolts.
3. Then, attach and secure the bumper using the 4x M8 bolts.
4. Finally, suspend the cluster by connecting the rigging points on the bumper eyebolts to a truss or dedicated support structure.
5. When adding a third element, an additional L-shaped bumper is required for suspension. In this configuration, two independent suspension points must be used to ensure structural stability.

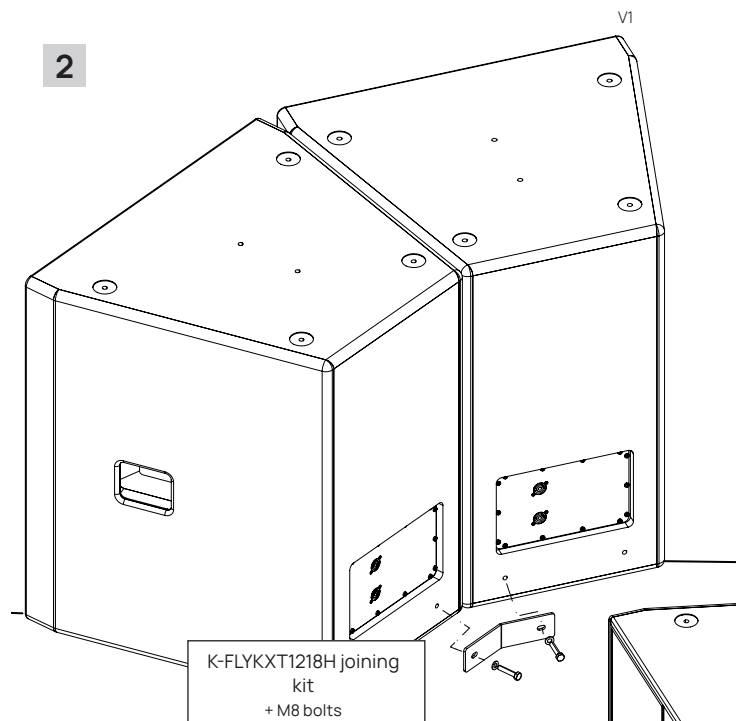
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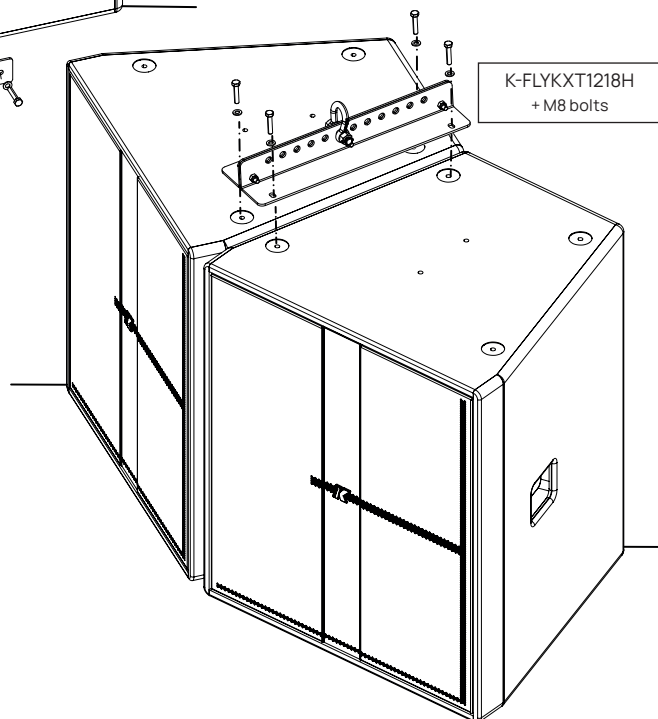
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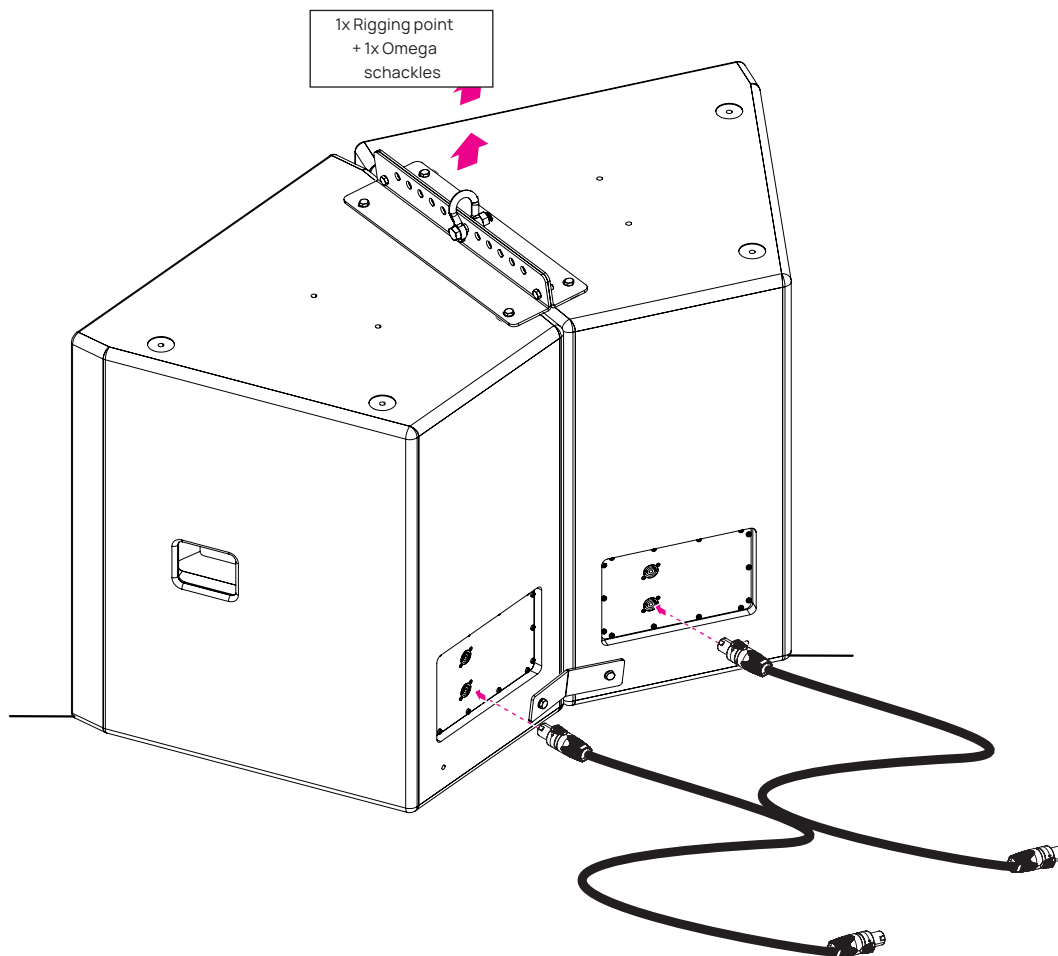


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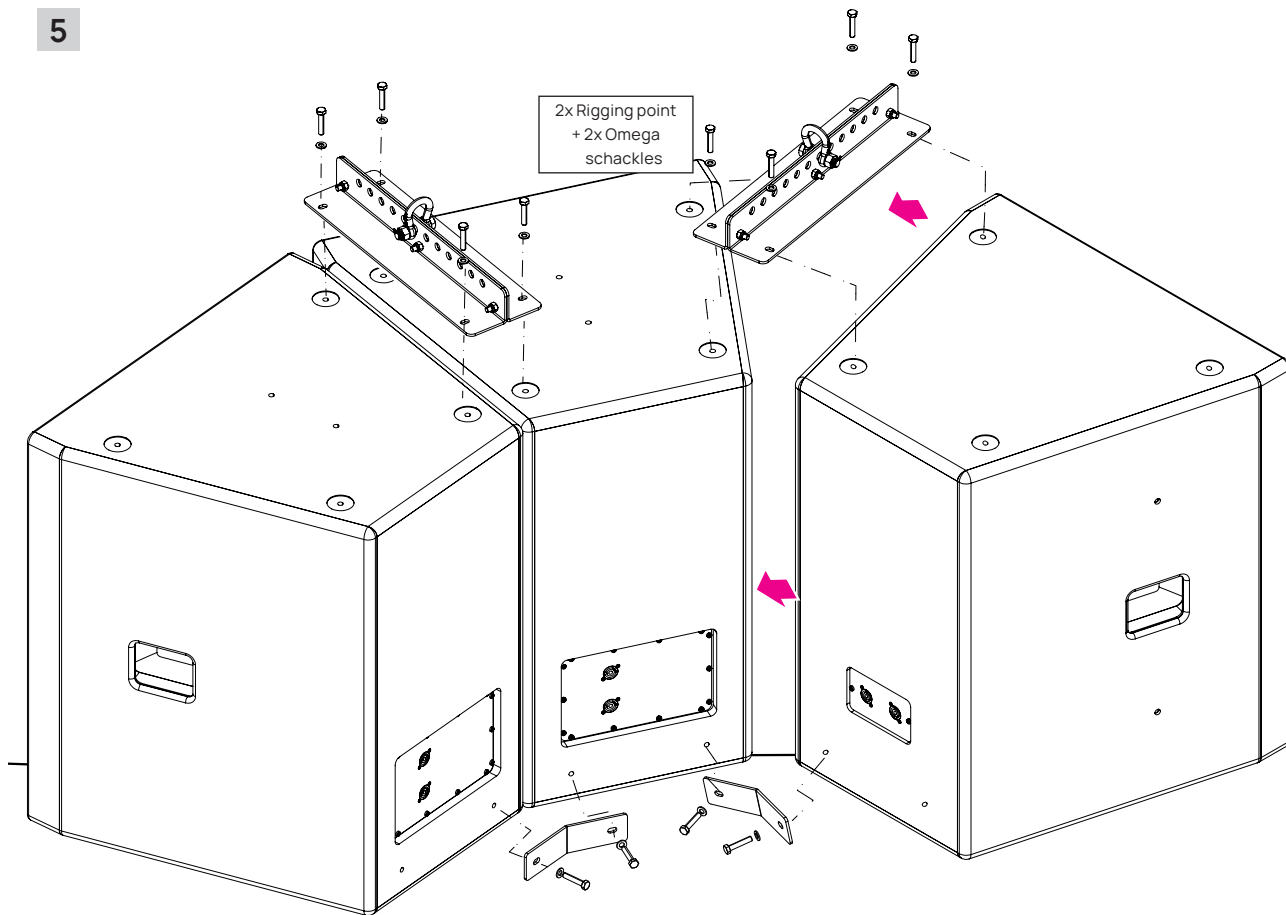


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Load limits and allowed configurations (K-FLYKXT1218H)

Suspension capacity

- Single-beam pick: max 1 KXT18P per suspension point.
- Two-beams pick: max 2 KXT18P total on the same two-point suspension system.

Curved horizontal clusters

- Curved horizontal clusters up to 360° (full ring) are allowed using the dedicated accessories and connections specified by the kit.
- Distribute the load evenly across the suspension points; use equal-length shackles and slings to keep the center of gravity aligned.
- Always respect the WLL (Working Load Limit) of each accessory and apply an appropriate safety factor per local regulations.

WARNING

Use only original or K-array approved suspension accessories.
Ensure that the mounting points can support the loudspeaker load with the proper safety factor.
Installation must be performed by qualified personnel.
Never exceed the maximum load specified for the K-FLYKXT1218H kit.

WARNING

For 360° clusters, ensure redundant suspension points and proper balance of the center of gravity.

Vertical curved cluster set-up

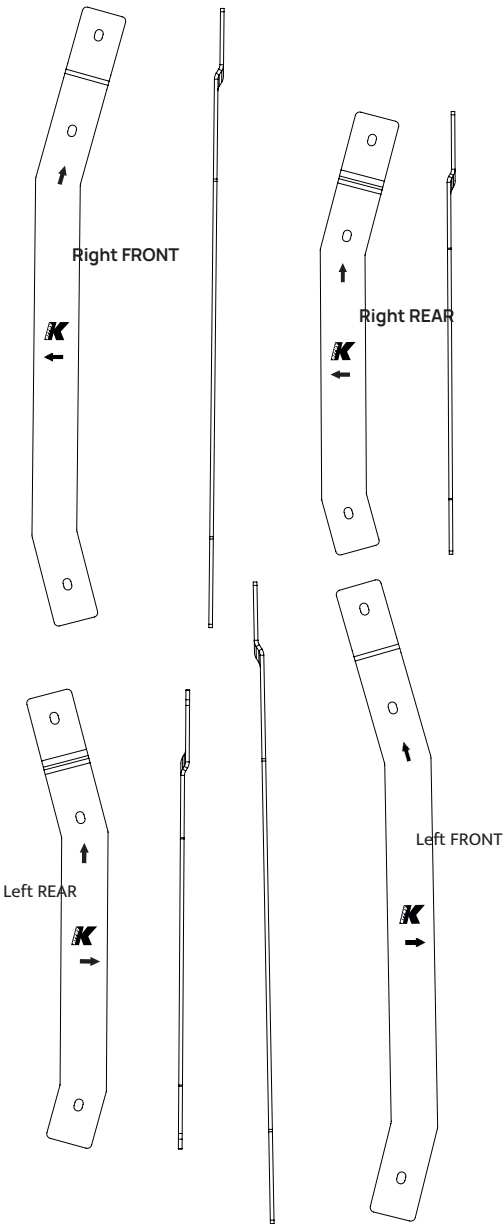
Required accessories

Bill of material	
K-FLYKXT18V	2x plates + 4x M8 bolts for suspending 2x KXT18P in vertical cluster
up to 2 K-JOINTKXT18V	Linking kit with 4x lateral metal plates + 8x M8 bolts
n SpeakON NL4	SpeakON NL4 connectors for wiring the speakers in cluster configuration

Vertical Cluster array Assembly and Suspension – Procedure

1. Install the 4 lateral plates of the joint kit (2 per side) onto the first speaker element.
2. Overlay the 4 plates of the fly kit (2 per side) onto the joint kit plates.
3. Secure all components by fastening them with M8 bolts into the rear inserts.
4. Each plate (front and rear, left and right) is marked with a silkscreen arrow indicating the correct mounting direction, allowing you to easily distinguish between the left and right sides of the loudspeaker.

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Mounting Additional Elements in the Vertical Cluster

5. Slightly lift and suspend the existing cluster using the rigging point, just enough to allow access to the mounting area.
6. Remove the lower M8 bolts from the joint plates of the upper and lower speaker units.
7. Install the 4 lateral plates of the joint kit (2 per side) by aligning and overlapping them with the corresponding side plates of both speaker elements.
8. Secure the connection using the supplied hardware.
9. After securing all elements and completing the cabling, the cluster can be raised to the appropriate height for optimal audience coverage.

WARNING – Structural safety limit

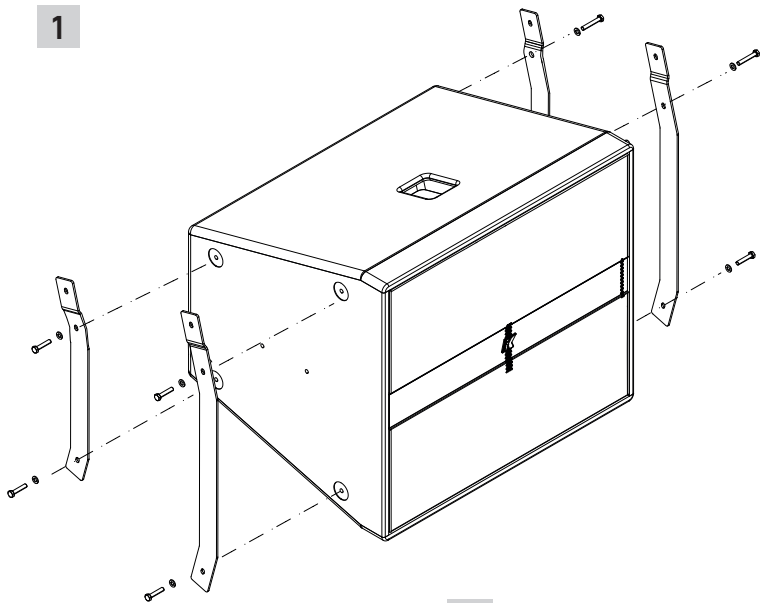
The suspension system allows the creation of a vertical cluster of maximum 3 KXT18P units.
Never exceed this limit: suspending more than 3 loudspeakers in a vertical configuration may compromise installation safety, leading to potential structural failure and serious injury or damage.

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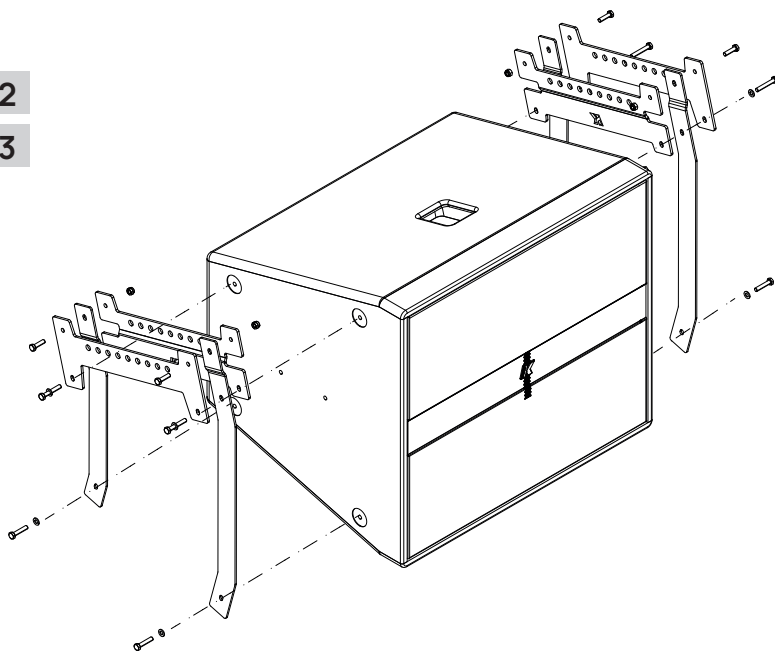
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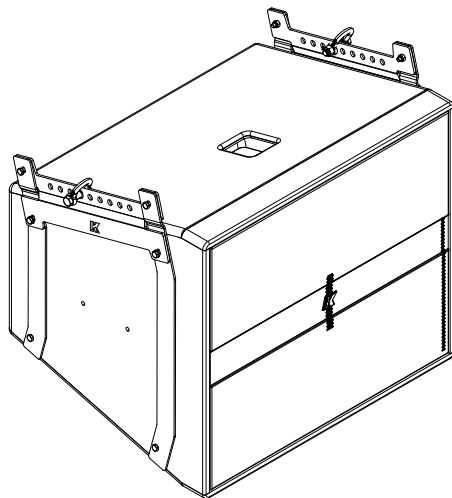
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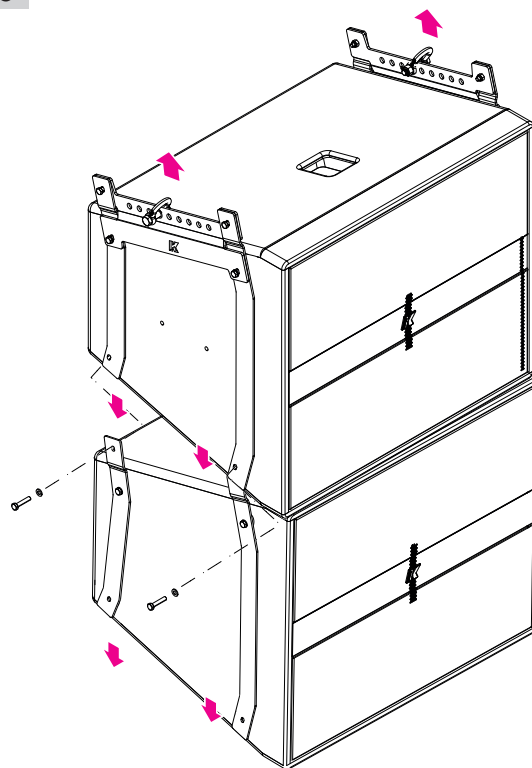


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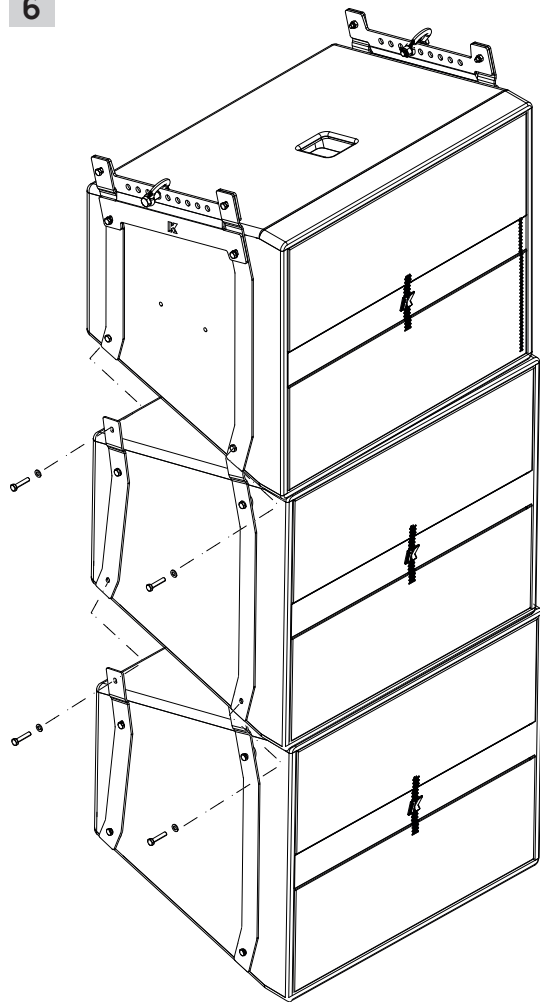
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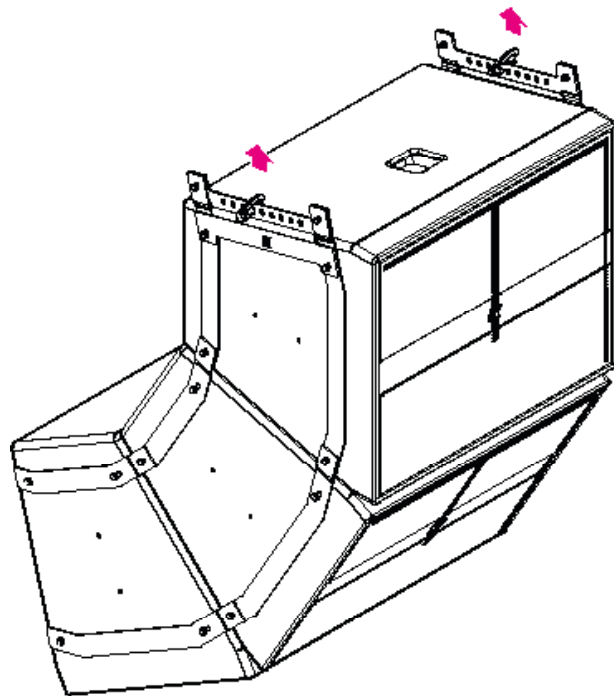
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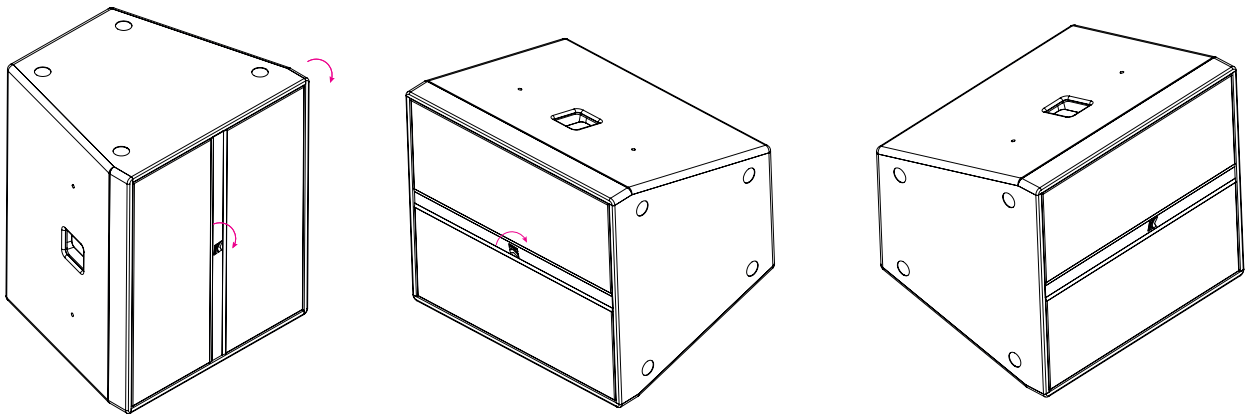
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The K-array™ logo on the loudspeaker's front panel can be rotated thanks to a practical spring-loaded clip mechanism that keeps it attached to the grille. The logo can simply be pulled forward and turned by hand, allowing it to be realigned when the loudspeaker is installed horizontally and ensuring a clean, professional appearance.



Wall-installation

K-UBRACKETKXT18

The optional K-UBRACKETKXT18 allows installation on either a wall or flat surface, with adjustable vertical tilt for aiming the speaker up or down.

Important: Always install the speaker on a solid, load-bearing surface. Choose a position that ensures safe mounting and even coverage of the listening area.

Installation Steps:

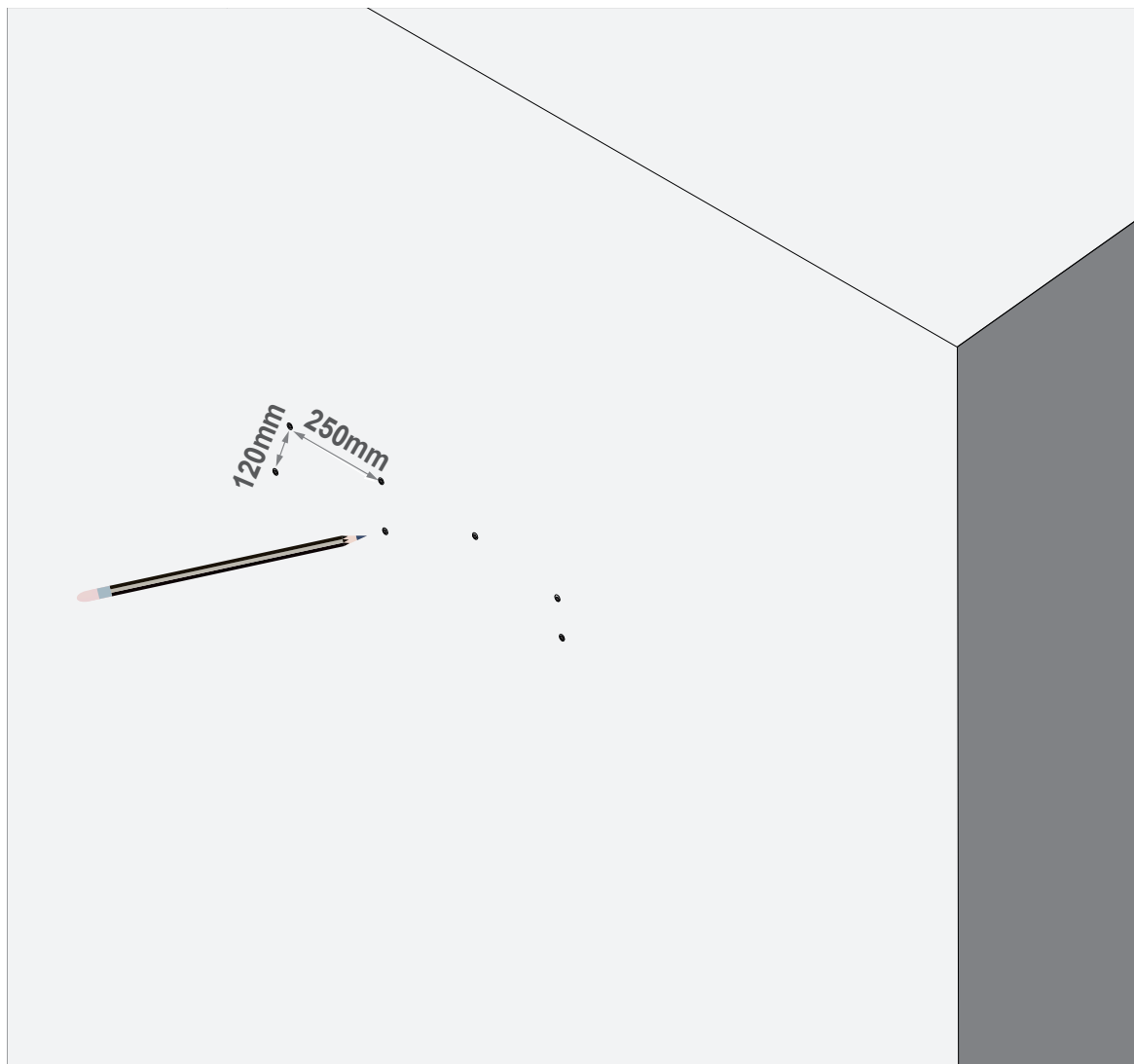
1. Choose the correct speaker position based on the desired height and coverage area. → fig.(a)
2. Mark the mounting points on the wall or ceiling for the bracket. The holes should be spaced 250 mm apart horizontally and 120 mm vertically. → fig.(a)
3. Drill the holes using appropriate tools, making sure they are suitable for M8 screws or bolts, and verify that the mounting surface can support the load. → fig.(a)
4. Attach the U-bracket to the speaker using the lateral mounting points and the supplied M8 bolts. fig.(b)
5. Pre-tighten the bolts to hold the bracket in place. fig.(b)
6. Lift and mount the complete speaker + bracket assembly to the wall or ceiling, securing it with anchors or bolts rated for the weight.
7. Tighten all bolts, check for correct alignment and overall stability. → fig(c)
8. Proceed with final cabling.

Note: Always ensure the surface and fixings are rated to support the weight of the speaker system in compliance with local safety standards.

Note: The K-UBRACKETKXT1218 bracket is compatible with all KXT models, with KXT12P. The same installing procedure and safety regulations are applied to KXT12P model

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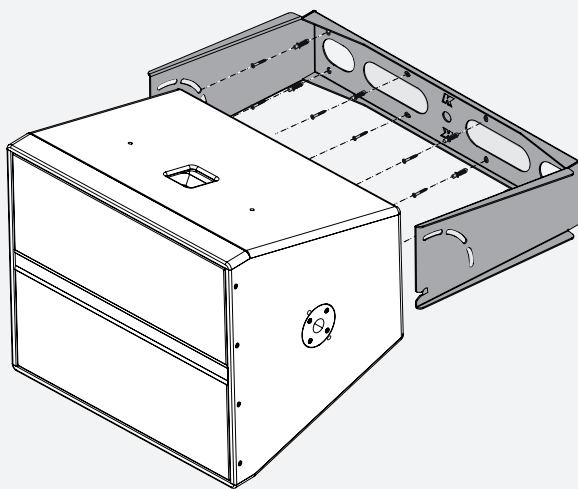


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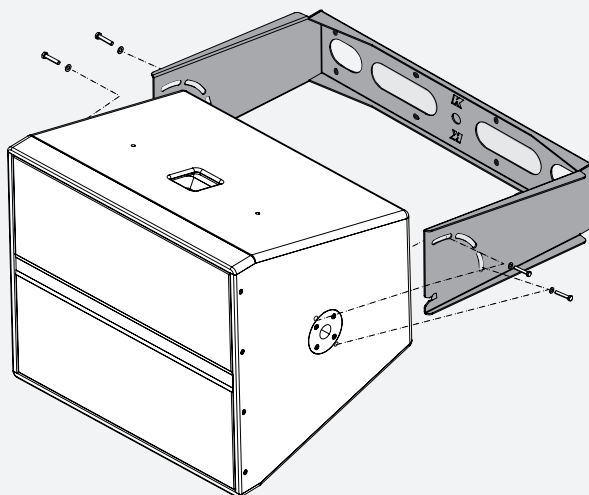
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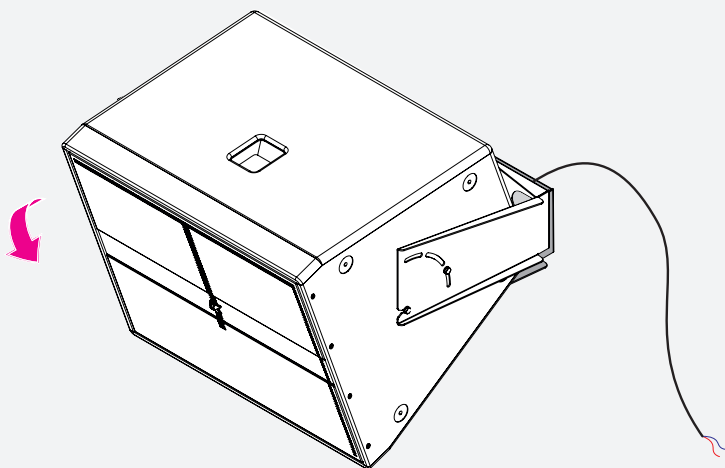


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Ground Stack General Warnings



Key hardware components must be inspected before each use.

Any rigging components found to be defective, or even suspect might be defective should be replaced with equivalent approved part.



Always use properly rated installation hardware.



K-array is not responsible for any installing equipment and accessories that are not manufactured by K-array.



Check building codes for weight distribution requirements. Ensure that the total weight of the loudspeakers and additional hardware assembly in use is lower than the Working Load Limit (WLL).



Ground stacking the loudspeaker systems shall be accomplished by knowledgeable and experienced professionals.



Install the loudspeaker stack on a plain horizontal surface.



Ensure that the location for the loudspeakers stack and its support system provides for the minimum clearances required for safety.



It is the user's responsibility to secure the loudspeakers stack and its support system to ground in order to avoid any damage or failure due to any unintended hits, gust of wind, vibrations or such.

Critical Warnings



KXT18P has no dedicated ground-stacking frame. Stability must be ensured with proper accessories and external safety measures.



- Do not attach straps to handles, grilles, or non-load-rated parts.
- Do not use modified or non-certified accessories.
- Do not exceed the allowed stacking height for KXT18P configurations.
- Check stability frequently during operation, especially at high SPL.



Stabilization Measures

- Use certified ratchet straps anchored to secure, load-rated external points (truss, barriers, fixed structures).
- Add anti-slip blocks or wedges at the base to prevent movement from LF vibrations.
- If needed, place the subwoofer on a wider certified platform to increase overall stability.
- Keep cable runs tidy to avoid tripping hazards.



Best Practices

- Confirm the assembly can withstand vibration, crowd interaction, wind, or any environmental factor present.
- Perform a final push-test to verify that the system cannot shift or tip.
- Inspect all safety elements (straps, blocks, poles) before every show.

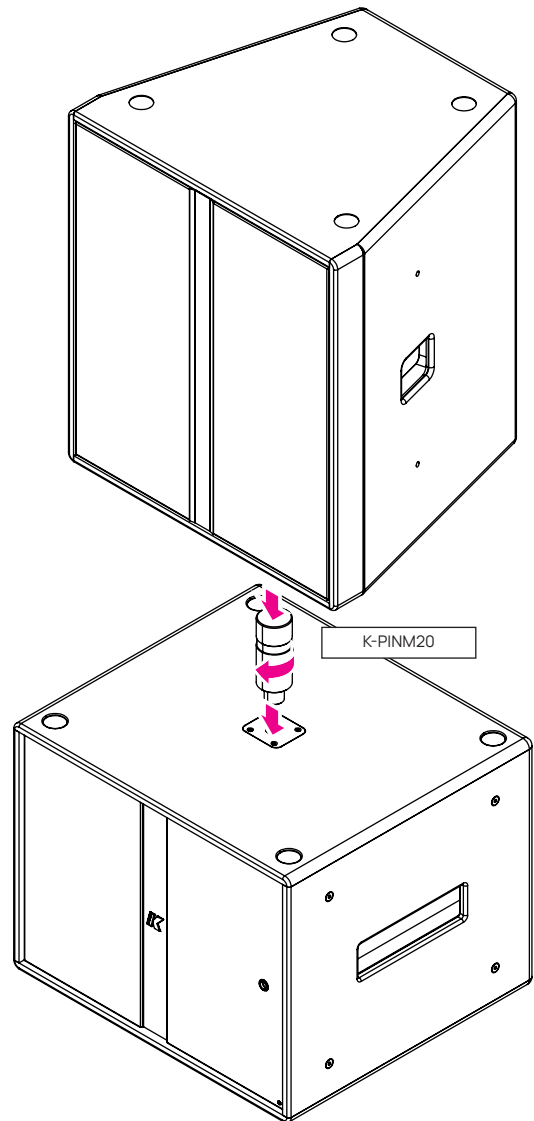
*Same warnings have to be follow when usign
K-SUBSTACKKXT1218

Ground stack on subwoofer

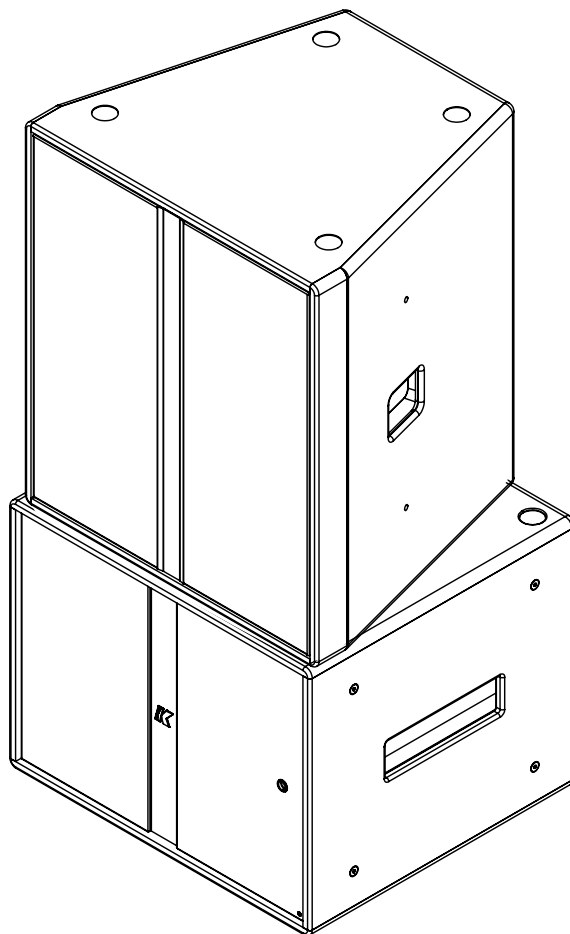
Mounting Accessories – Vertical Ground Stack Configuration

- K-PINM20 – Threaded M20 adapter for vertically mounting the KXT18P on a KS2 subwoofer.

The KXT18P can be mounted in a vertical ground stack configuration on the Thunder-KS3P subwoofer. Both units are equipped with M20 threaded inserts, enabling secure connection using an M20 adapter such as the K-PINM20.



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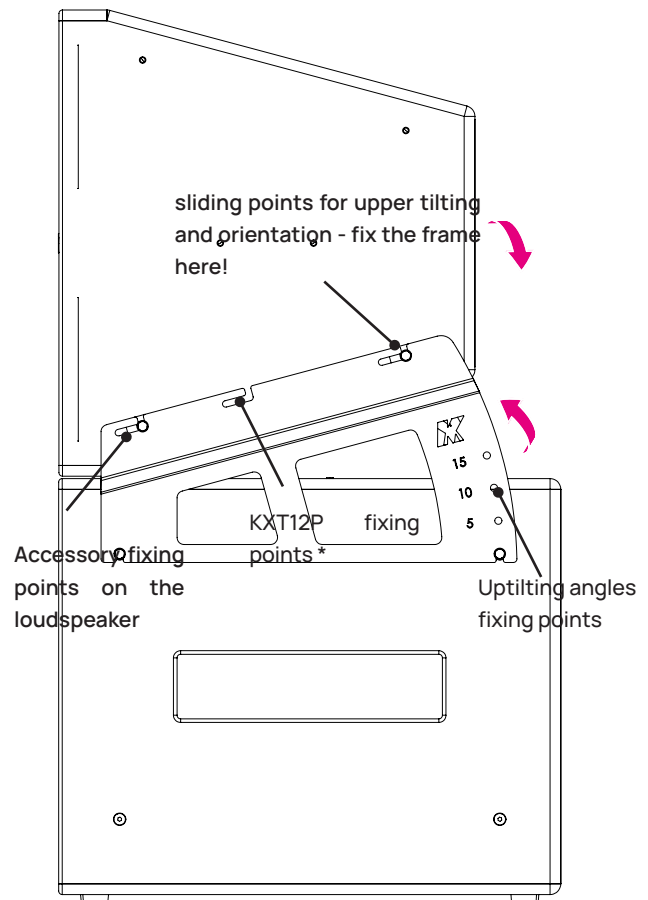
Horizontal Stack Mounting on Subwoofer (Single or Dual KXT18P)

K-SUBSTACKKXT1218 connection hardware accessory

The K-SUBSTACKKXT1218 accessory allows one or two KXT18P loudspeakers to be mounted horizontally on top of a Thunder subwoofer, using the lateral mounting points available on the sub's dedicated side frame.

This setup is ideal for DJ monitoring applications, where horizontal orientation provide direct coverage at ear level for the performer.

***Note:** The K-SUBSTACKKXT1218 is compatible with all KXT models, including the KXT12P. Different fixing points are available on the frame to ensure proper mounting depending on the loudspeaker model.



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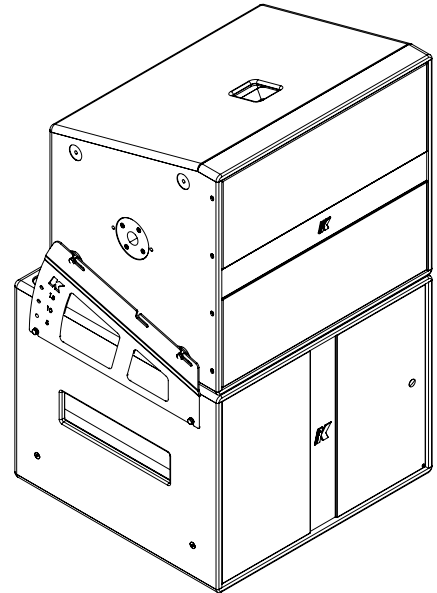
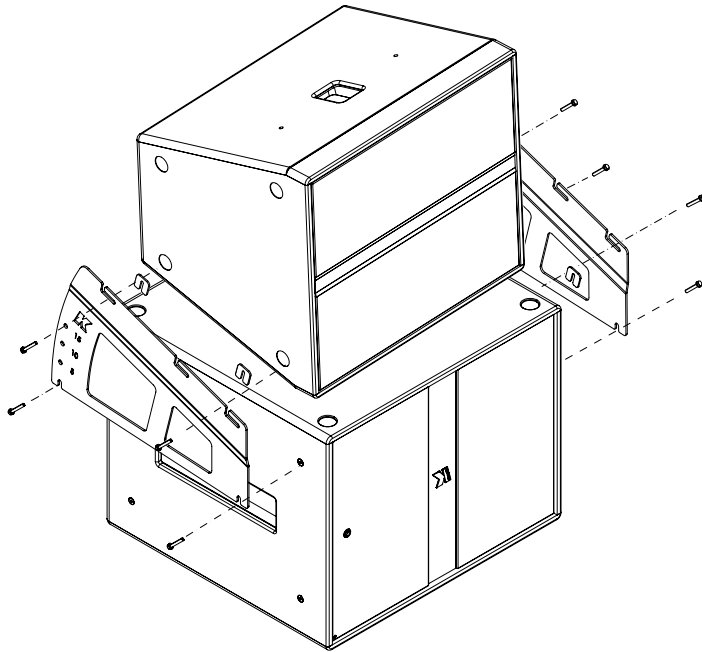
Installation Steps

1. Place the subwoofer on a stable surface and position it in the desired listening location.
2. Prepare the KXT18P loudspeaker and the K-SUBSTACKKXT1218 frame.
3. Align the frame with the lateral threaded inserts on the subwoofer.
4. Place the KXT18P horizontally onto the frame.
 - Adjust the loudspeaker tilt by sliding the mounting holes along the curved slot of the frame.
 - The frame features multiple preset fixing points, each corresponding to a specific upward tilt angle.
 - At 0° tilt, the loudspeaker remains aligned and level with the subwoofer.
 - As the upward tilt increases, the loudspeaker slides progressively toward the rear, being secured at fixing points slightly set back along the lateral slot.
 - To achieve greater upward orientation (up to approximately 15°), the front of the loudspeaker is raised while the fixing point moves downward and backward along the slot, resulting in an increased tilt angle.
 - Select the appropriate angle according to the target listening height (e.g. ear level).
 - Secure the loudspeaker to the frame and the frame to the subwoofer using the supplied M8 bolts, fastening them to the lateral threaded inserts.

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Note: The K-SUBSTACKKXT1218 is compatible with all KXT models, also with KXT12P. The same installing procedure and safety regulations are applied to KXT12P model.

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Recommended System Configurations

This section provides a selection of example system setups using the KXT18P loudspeaker.

Each configuration is designed for a specific application and includes all key components: KXT18P loudspeakers, Thunder-KSP or KS subwoofers, amplification platform, cabling, and installation accessories.

To support proper installation, each setup includes a basic wiring diagram and essential technical notes.

Full-passive system

- All components (Dragon-KXT18P and Thunder-KS3P) are passive and powered by external Kommander-KA amplifier

These setups are part of a recommended configuration concept offered by K-array.

While not sold as fixed bundles, they illustrate different ways to combine compatible components for real-world use in indoor venues, club environments, and live event applications.

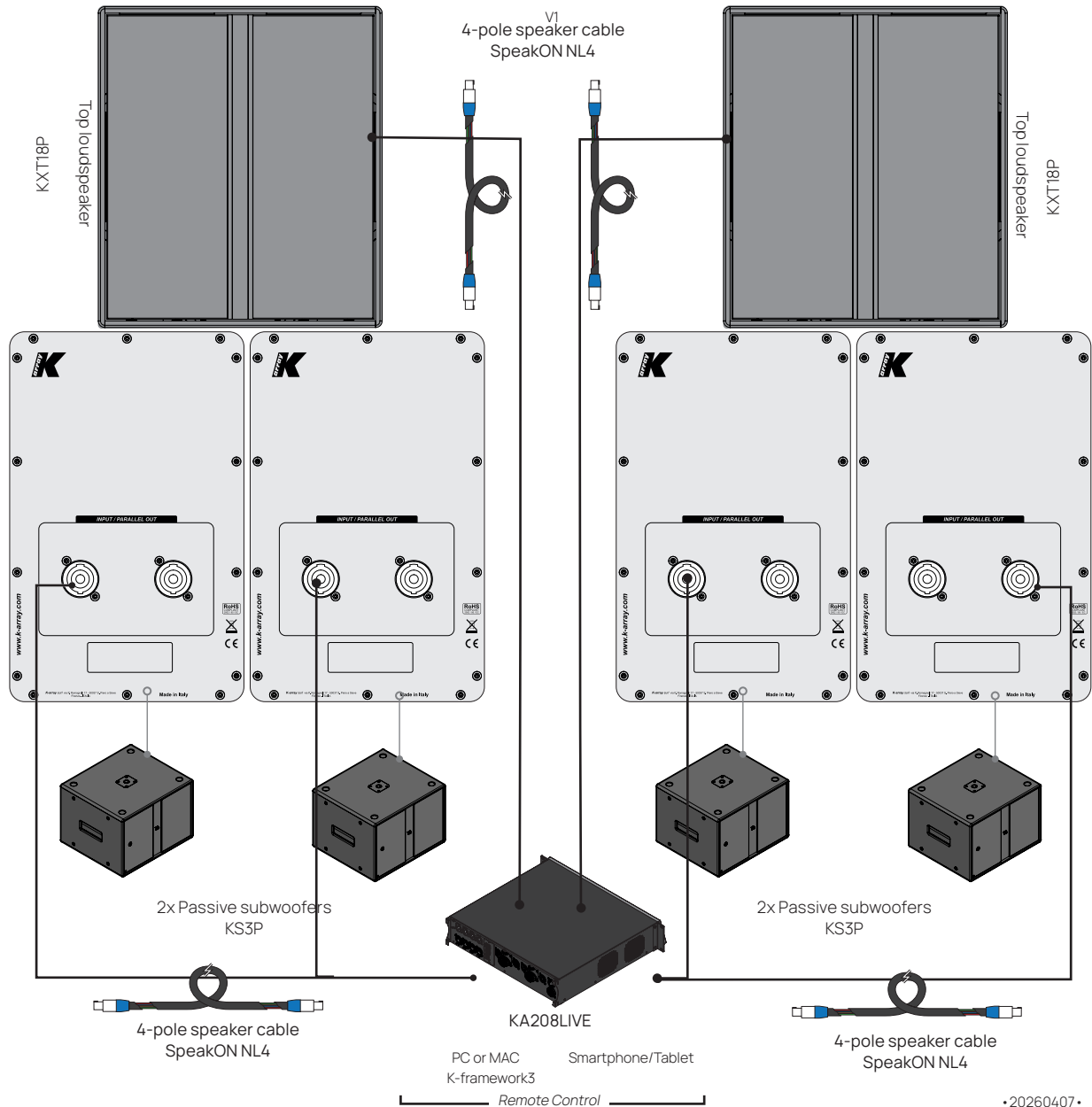
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System 1 – Classic Near-field Stereo System (L/R)

Description	Components
Loudspeakers / Satellites	2× KXT18P (in vertical set up and stuck on subwoofer)
Subwoofers	4× KS3P (ground stack)
Amplifier platform	1× KA208LIVE
DSP and dedicated remote software control	Built in Web-App - remote accessible
Audio Cabling	Analog, SpeakOn 4-pole connectors
Power Cabling	PowerCON cables for each unit
System Configuration	Stereo L/R
Set up hardware accessories	2× K-PINM20

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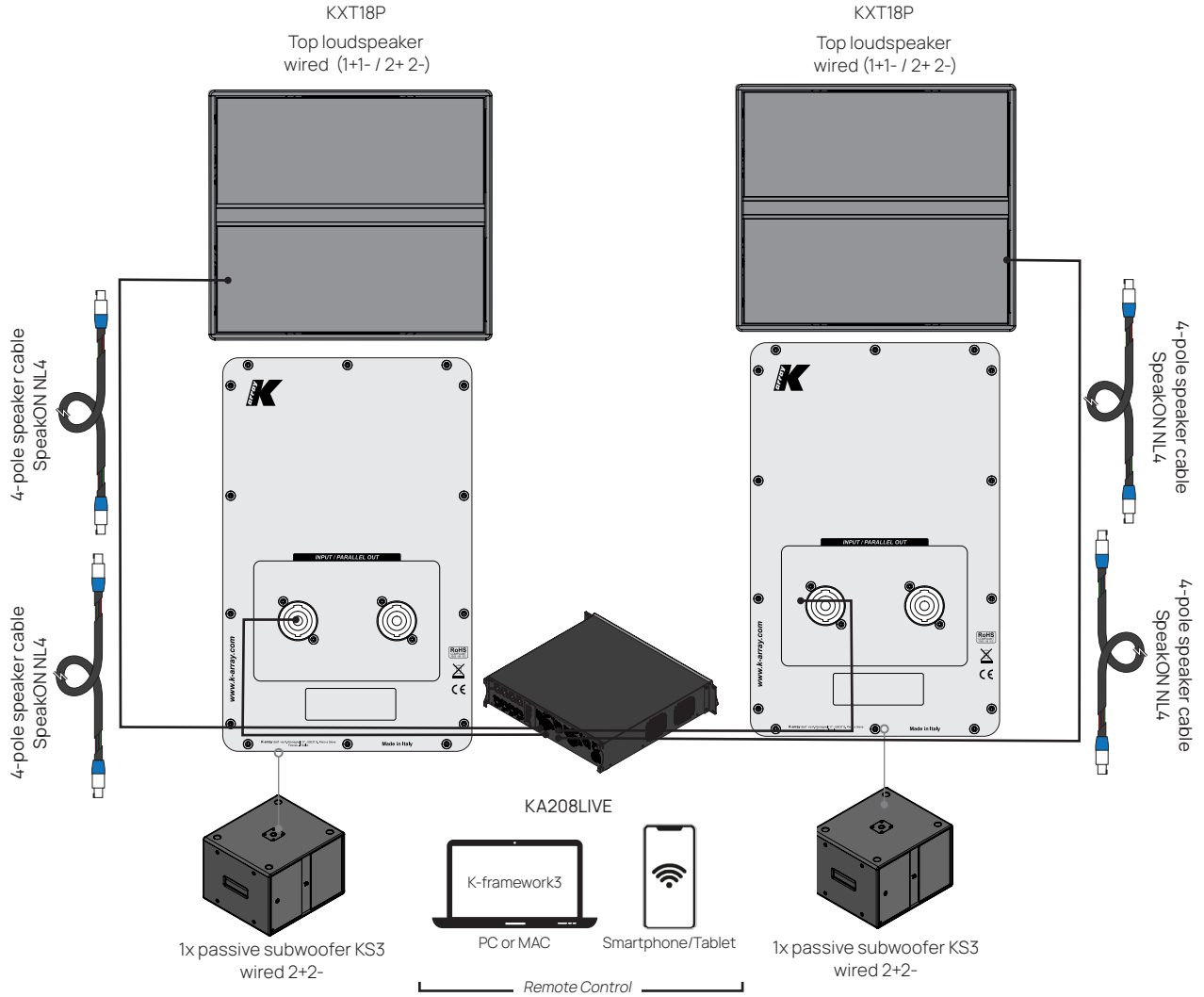
System 2 – DJ Monitoring System (L/R)

Description	Components
Loudspeakers / Satellites	2× KXT18P (in horizontal set up and stuck on subwoofer)
Subwoofers	2× KS3P (ground stack)
Amplifier platform	1× KA208LIVE
DSP and dedicated remote software control	Yes – external - built-in Web App for remote control on amplifiers and active subwoofers
Audio Cabling	Analog, SpeakOn 4-pole connectors
Power Cabling	PowerCON cables for each unit
System Configuration	Stereo L/R
Set up hardware accessories	2× K-SUBSTACKKXT1218

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System 3 – Main system L/R flyng vertical cluster elements

Description	Components
Loudspeakers / Satellites	2× KXT18P per side (in vertical cluster)
Subwoofers	8× KS3P
Amplifier platform	1× KA208LIVE
DSP and dedicated remote software control	Yes – external - built-in Web App for remote control on amplifiers and active subwoofers
Audio Cabling	Analog, SpeakOn 4-pole connectors
Power Cabling	PowerCON cables for each unit
System Configuration	Stereo L/R
Set up hardware accessories	2x K-FLYKXT18V / 2x K-JOINTKXT18V

System 4 – Main system L/R flyng horizontal cluster elements

Description	Components
Loudspeakers / Satellites	3× KXT18P per side (in horizontal cluster)
Subwoofers	12× KS3P
Amplifier platform	1× KA208LIVE
DSP and dedicated remote software control	Yes – external - built-in Web App for remote control on amplifiers and active subwoofers
Audio Cabling	Analog, SpeakOn 4-pole connectors
Power Cabling	PowerCON cables for each unit
System Configuration	Stereo L/R
Set up hardware accessories	2x K-FLYXKT1218H / 2x K-JOINTKXT18V

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Service

To obtain service:

1. Please have the serial number(s) of the unit(s) available for reference.
2. Contact the official K-array distributor in your country: find the Distributors and Dealers list on K-array website. Please describe the problem clearly and completely to the Customer Service.
3. You will be contacted back for on line servicing.
4. If the problem cannot be resolved over the phone, you may be required to send the unit in for service. In this instance, you will be provided with an RA (Return Authorization) number which should be included on all shipping documents and correspondence regarding the repair. Shipping charges are the responsibility of the purchaser.

Any attempt to modify or replace components of the device will invalidate your warranty. Service must be performed by an authorized K-array service center.

Cleaning

Use only a soft, dry cloth to clean the housing. Do not use any solvents, chemicals, or cleaning solutions containing alcohol, ammonia, or abrasives. Do not use any sprays near the product or allow liquids to spill into any openings.

Technical Specifications

Technical specifications	
Type	Point source
Transducers	Tri-axial 18" neodymium magnet woofer + 4" compression driver (MF) + 2.5" compression driver (HF)
Frequency Response	48 Hz - 18 kHz (-6dB)
Max SPL ²	144 dB (peak) half-space
Rated Power	1600W (LF) + 380W (MHF) bi-amplified
Nominal Impedance	4 Ω (LF)+ 8 Ω (MHF)
Coverage	V. 40° - H. 60° (Rotatable w/ screws)
Connectors	2x SpeakOn NL4 1+ 1- (MHF); 2+ 2- (LF) - bi-amplified

Handling & Finishes	
Material	Birch Plywood
Colors	Black, Custom RAL - Custom Horn
IP Rating ³	IP43
Dimensions (WxHxD)	650 x 735 x 580 (25.6 x 28.9 x 22.8 in)
Weight	40.8 kg (89.84 lbs)

¹ With dedicated preset.

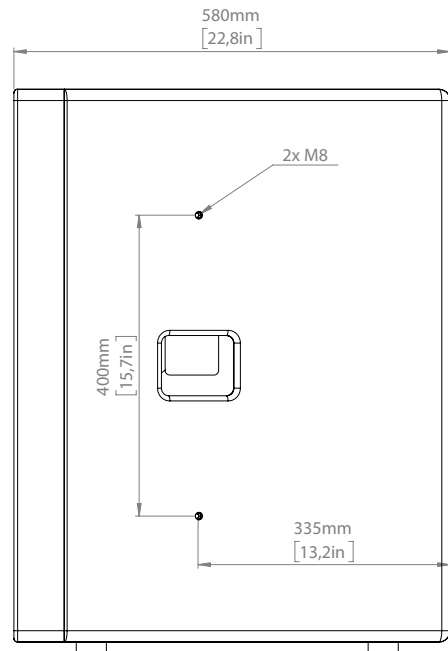
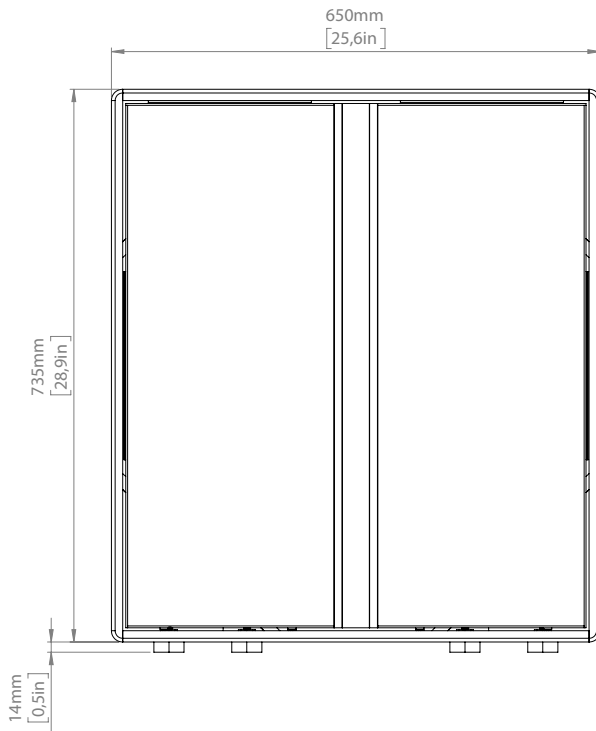
² Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 8 m then scaled at 1 m.

³ In case of permanent, long lasting outdoor installation, we recommend to further protect the speaker. Contact K-array directly to discuss best protection practices.

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Mechanical Drawings

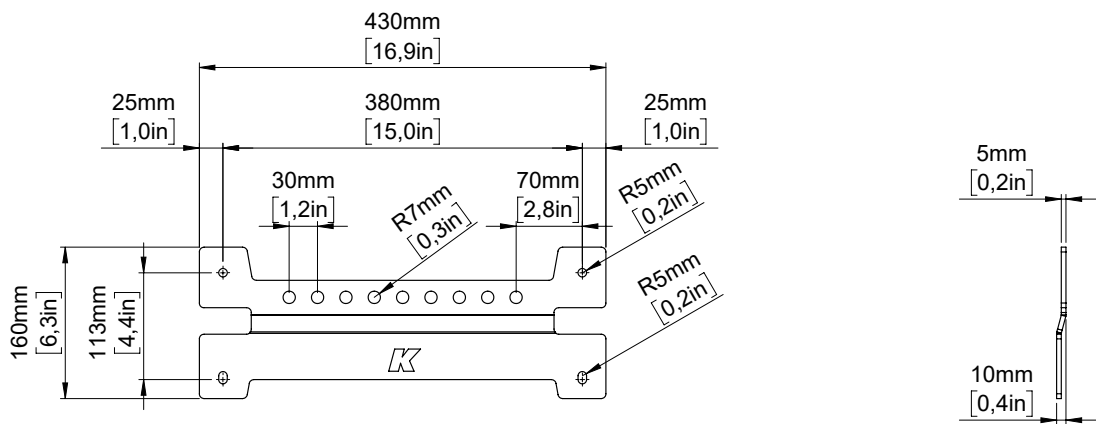
Dragon-KXT18P



Mechanical Drawings

Rigging and linking hardware accessories

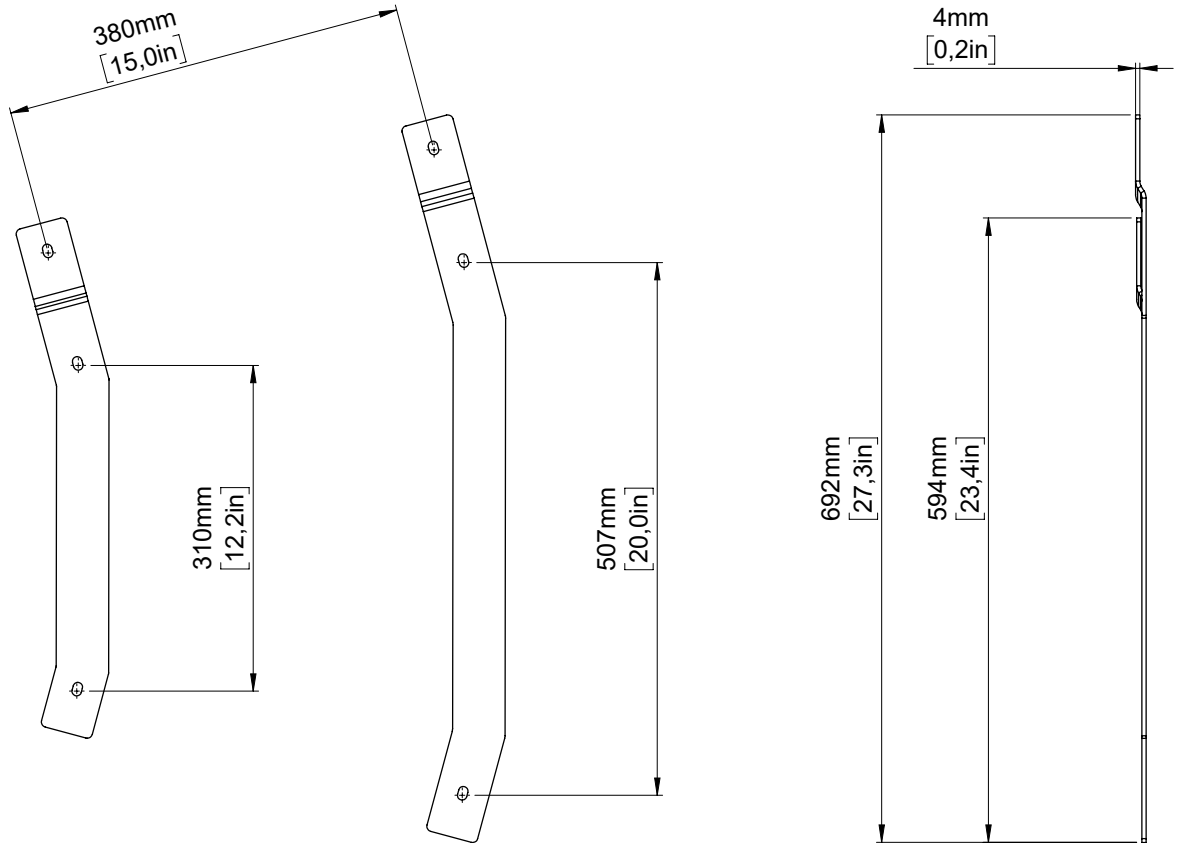
K-FLYKXT18V



4 lateral flying plates (2 per side)

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K-JOINTKXT18V



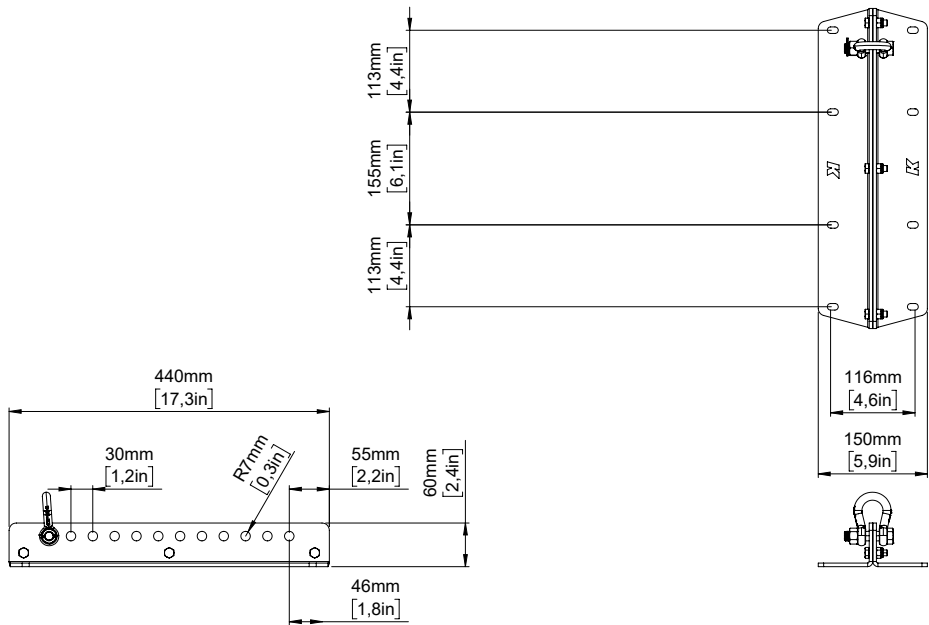
4 linking lateral plates (2 per side)

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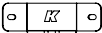
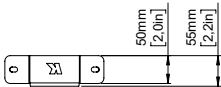
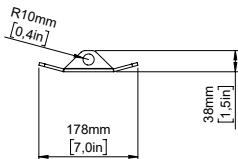
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K-FLYKXT1218H



Fly kit with T bumper + linking plates + M8 bolts

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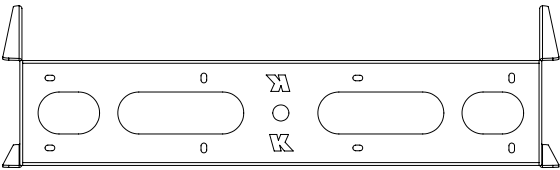
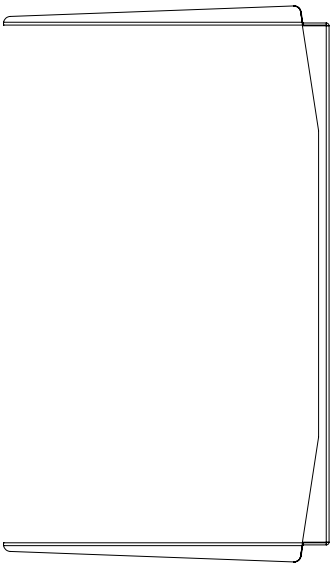
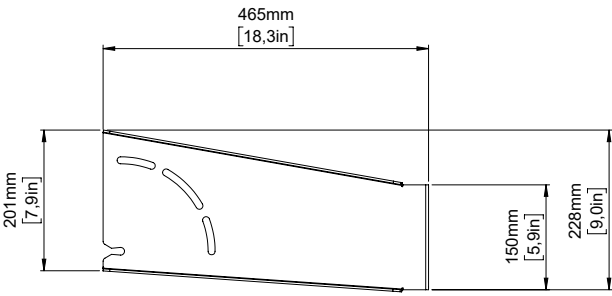
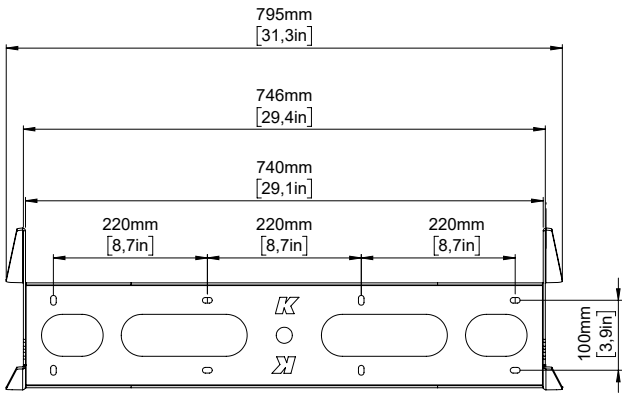
Linking plate + M8 bolts

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K-UBRACKETKXT18



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