

K-ARRAY
Unique Audio Solutions

Pinnacle mark II
SYSTEMS CONFIGURATIONS

THE POWER OF ONE

INNOVATIVE, PURE, EVEN SOUND

A professional, versatile, audio diffusion system capable of blending in but standing out with exceptional high performance and

innovative even coverage built as one easy to use solution for multiple applications.

“FITS PERFECTLY” Is An Understatement

This is an audio system shaped for performance, capable of adapting to any space and hiding from sight. Pinnacle is the key to providing the most prestigious theaters in the world thanks to its extreme discretion which manifests itself both from an aesthetic / visual point of view and in terms of sound quality which is never artificial or altered.

The Pinnacle series does not let the speaker spoil the moment from small events to large theatres thanks to a simple modular configuration that blends into background with ease.

The more elements you have, the wider the choice of configurations you can create: by aggregating a large number of units in a more complex large system, medium-large events can be simple.

The Pinnacle-KR2 (Link) are made up of Kobra columns with 2-inch transducers, the Pinnacle-KR4 (Link) are the result of more combinations of 3.15-inch Python and finally the Pinnacles-KR8 consist of Kayman columns with 4-inch transducers. All three models are made up of Thunder subwoofers (link to the Thunder family page), in their different variants (KS1, KS2, KS3, KS4, KS5).

LEAVE YOUR BIG SYSTEMS AT HOME

Pinnacle's design isn't simply our interpretation of what a pro audio system can be but what it should be thanks to K-array's unique "Pure Array Technology" (PAT), which is the maximum homogeneity of diffusion that can reach everyone in the room without compromising the sound quality for the listener from the front of the event all the way to the back.

Camouflaged within the architecture of the prestigious theaters such as the Teatro alla Scala (Milan) or the Royal Opera House (London), the powerful sound reproduced by Pinnacle is extremely natural thanks to the Pure Array Technology (PAT) and reaches the spectator in harmonious way, as a creative extension of the performers on stage. Technology acts as an intermediary. Shaking our emotional experience, without trying to change it, respecting artists and spectators.

Theaters are just one of Pinnacle's many fields of application that make it a very useful solution wherever you need a powerful and quality sound, without using a lot of logistical and rigging efforts.



A SERIOUS TIME SAVER

LIGHTWEIGHT DESIGN FOR EFFORTLESS MOUNTING

For the technicians who need more time, the Pinnacle introduces a new self-centering system for incredible stability to mount up to 8 Pinnacle units with just 1 person in a few minutes.

Pinnacle gives you more time to set up and tune thanks to its effortless mount and dismount system that is lightweight, compact and made easy to control.

STUNNING TO LOOK AT. PLEASING TO THE EAR AND CHOSEN FOR BOTH DURABILITY AND INVISIBILITY.

One of the most compact systems ever produced, with its elegant and discreet design.

The material used to build K-array audio solutions are certainly a distinctive element that makes the speakers unique, contributing both to the reduction of size and to enhanced durability even in unfavorable weather conditions. Line array elements such as Kobra, Python and Kayman are in fact built with a partly handcrafted process of stainless steel sheet, skilfully cut, folded and welded with the utmost care following years of trial and error, research and know-how to perfect the craft of minimizing vibrations along with unwanted resonances of the material. The metal can also be treated for a more luxurious finish such as 24k gold plating

or a processing of the raw material such as brushing or polishing. mirror that makes the product particularly camouflaged on the surface where it is located. The polishing in fact allows the product to blend in perfectly, thanks to the play of reflection, of the same texture of which the background is composed. The bespoke stainless steel chassis with a unique aluminium grill are certainly distinctive elements that make Pinnacle not only stand out, they provide plenty of benefits for a greater performance. Inherently strong and safe. The Pinnacle series is handmade in Italy at the K-array factory in Tuscany.

FULL POWER, NO COMPROMISE

A harmonious ambience created by Pinnacle's intelligent internal configuration

Built with powerful class D amplifiers fully managed by sophisticated integrated DSP processors, the electronics allow the combination of Pinnacle to deliver not only the power signal to the subwoofer itself, but offers up to three additional channels of amplification and processing, thus becoming a complete control unit that allows you to drive an entire stereo system using only one active unit.



STAY IN COMPLETE CONTROL

A Perfect Blend of Technology To Extend The Possibilities

A new generation of audio intelligence (osKar) allows you to manage the entire ecosystem through various control platforms and offers features directly on board the device, in order to simplify its use, and extend the possibilities. The osKar operating system offers the possibility to control the main functions of the DSP to manage Volumes, Routing and Presets directly from the device itself, it also has a USB player and a web stream receiver.

The remote control of subwoofers can take place through three different types of software released, starting from the most complete K-framework for Windows and Mac, passing from a more intuitive web app and arriving at the more simplified mobile app (wi-fi). There are also APIs and plugins to control these devices via third-party controllers. An LED located on the front of each machine allows the user to understand which device he has entered into communication with.

CALM AND COMPOSED, COME RAIN OR SHINE

Built For Heavy Touring On The Road

With a particular focus on audio technicians and rentals, the amplifier of the Pinnacle features a PowerCon True connector for powering the mains, allowing easier wiring extension and greater resistance to bad weather.

To add that extra bit of safety, the entire connector panel is housed in a new area completely recessed inside the sub chassis, making it a practical self-shelter solution, already sufficient for lighter heavy rains.



ARE YOU A RENTAL?

The more elements you have, the wider the choice of configurations you can create: by aggregating a vast number of units in a complex medium to large system; This is possible by breaking down a large system into many individual parts, one complements the other simultaneously making it also easy to manage smaller events. In addition to the number of diffusers, each system can be composed of three different types of column elements revealing the incredible scalability

of Pinnacle. Here lies the scalability of Pinnacle: The Pinnacle-KR2 (Link) are made up of Kobra columns with 2-inch transducers, the Pinnacle-KR4 are the result of more combinations of 3.15-inch Python and finally the Pinnacles-KR8 consist of Kayman columns with 4-inch transducers. All three models are made up of Thunder subwoofers (link to the Thunder family page), in their different variants (KS1, KS2, KS3, KS4, KS5).



EXTREME DISCRETION

Surely among the most compact high-performance systems ever produced, with its elegant and discreet shapes, Pinnacle is the key to access the most prestigious theaters in the world thanks to its extreme discretion which manifests itself both from an aesthetic / visual point of view and in terms of sound quality which is never artificial or altered. Pinnacle represents more than any other K-array product, the pure essence of professional audio, which does not need to be seen.

Camouflaged between the intricate architecture of a prestigious theater such as the moldings of the proscenium of a prestigious theater such as the

Teatro alla Scala (Milan) or the Royal Opera House (London), the powerful sound reproduced by Pinnacle is extremely natural thanks to Pure Array Technology (PAT), and reaches the spectator in a harmonious way, as a creative extension of the performers on stage.

The theater is just one of many applications where Pinnacle can improve the sound field for a better experience.

NO MORE COMPROMISE

A fundamental characteristic of PAT Technology (Pure Array Technology) on which the design of Pinnacle systems is based, is the maximum homogeneity of diffusion for very large audiences. Those who sit near the stage and those who attend from the back rows can enjoy the same sound experience as the ones with the best seats in the house.

It also applies to those who look out from the typical boxes of an Italian-style theater. PAT technology creates an unrivaled sound distribution thanks to the length of the arrays it can generate especially with the Pinnacle system. An array that extends over the entire height of the proscenium will ensure a very homogeneous listening experience both at the various heights from which the stages overlook, reaching even the most distant with almost the same sound pressure.

This occurs due to an addition or subtraction of the energetic component of all the transducers of the sound line that will reach the different listening points more or less in phase: at longer distances the number of sound waves emitted by the different transducers of the array will be greater. Thank to phasing at that point and this will make it possible to perceive as closer even a sound emitted from so far away.



CRAFTED TO LAST

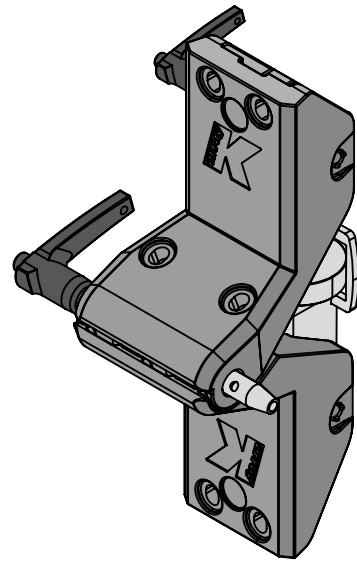
The material used for the construction of the K-array speakers is certainly a distinctive element that makes the K-array products unique, contributing both to the reduction of dimensions and to durability even in unfavorable weather conditions. Line array elements such as Kobra, Python and Kayman are in fact built with a partly handcrafted process of stainless steel sheet, skilfully cut, folded and welded with the utmost care. There is a long research project behind it, to minimize vibrations and unwanted resonances of the material.

For the Kobra, Python and Kayman versions, the metal also has the possibility of being subjected to galvanic treatments for a more luxurious finishes such as 24k gold plating, or a processing of the raw material such as brushing or polishing. mirror that makes the product look camouflaged on the surface where it is located. The polishing in fact allows the product to be discreet, thanks to the play of reflection, of the same texture of which the background is composed.

[Try it for yourself?]







SUPER FAST ASSEMBLY

We have made the assembly of Pinnacle systems even easier for you thanks to the redesign of the connecting joints between one unit and another.

FASTER AND SAFER ASSEMBLY

Mount up to 8 meters of line array in just a few minutes with one person. Pinnacle saves you time and energy thanks to its effortless mount and dismount system made possible due to its compact and lightweight design with an intuitive, easy to follow process. You will have more time to tune and soundcheck with little fuss.

At the beginning of the day you do not want hours and hours of assembly before an event, the thing that can improve the quality of life of a professional is the ease of installation and the use of the right tools to do it. Being able to arrive relaxed at the time of tuning and soundcheck allows technicians to really focus on their job.

The design of a new mechanism that joins a Pinnacle unit and another, thanks to the system of self-centering of the pin holes, and to an increased stability, allows a single person to mount up to 8 meters of line array in a few minutes.



WORKING COPY BELOW, DON'T USE

The five subwoofer models that make up the Thunder series, present in both active and passive electronics versions, are essentially distinguished by size and number of transducers, all however with the same bass reflex system with symmetrical loading.

The active models are equipped with powerful and intelligent electronics while the passive versions are designed to complete the assortment of possible applications, driven by external amplifiers or other active units of the same family, but also by any other product line of the vast catalog. K-array.

The osKar operating system offers the possibility to control the main functions of the DSP to manage Volumes, Routing and Presets directly from the device itself, it also has a USB player, a web stream receiver.

In their active version, the Thunders are more than just subwoofers. They include powerful class D amplifiers fully managed by sophisticated integrated DSP processors. This combination allows the electronics of a Thunder to deliver not only the power signal to the subwoofer itself, but offers up to three additional channels of amplification and processing, thus becoming a complete control unit that allows you to drive an entire stereo system using only one active unit.

Speaking of new skills, the new Thunder-KS integrate the remote control of Thunder-KS subwoofers can take place through three different types of software released for free, starting from the most complete K-framework for Windows and Mac, passing from a more intuitive web app and arriving at the more simplified mobile app (wi-fi). There are also APIs and plugins to control these devices via third-party controllers.

An LED located on the front of each machine, allows the user to understand which device he has entered into communication with.

Surely among the most compact high-performance systems ever produced, with its elegant and discreet shapes,

The five subwoofer models that make up the Thunder series, present in both active and passive electronics versions, are essentially distinguished by size and number of transducers, all however with the same bass reflex system with symmetrical loading.

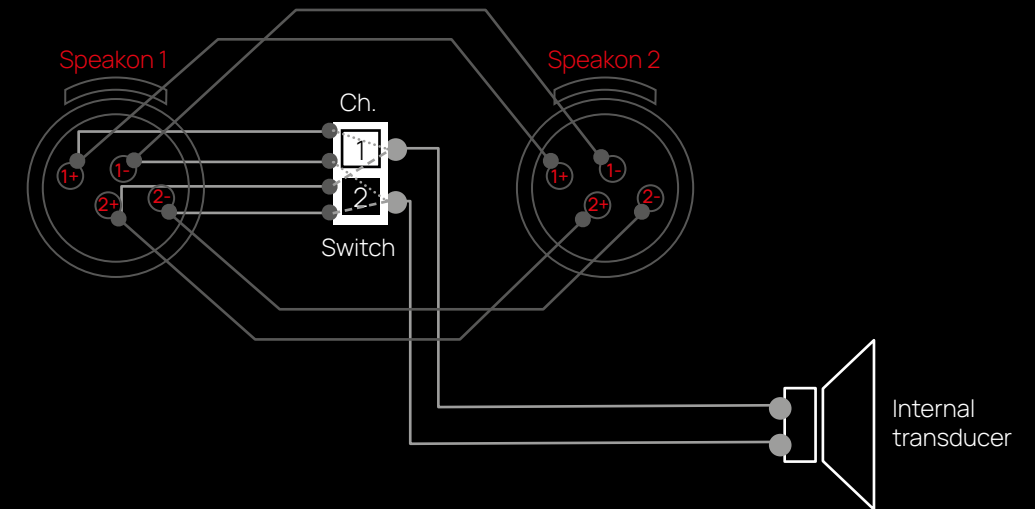
The active models are equipped with powerful and intelligent electronics while the passive versions are designed to complete the assortment of possible applications, driven by external amplifiers or other active units of the same family, but also by any other product line of the vast catalog. K-array.

QUIET, EVEN IF IT RAINS!

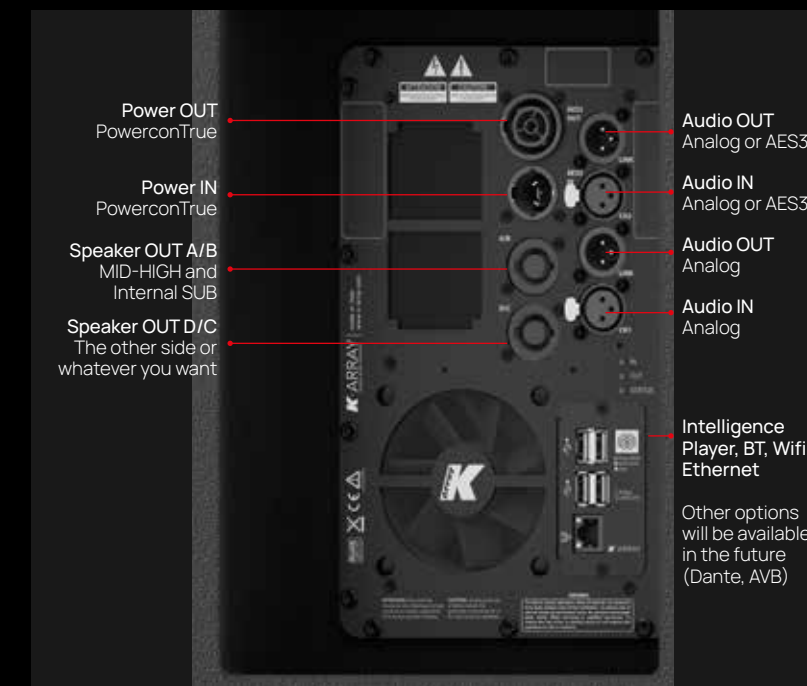
With a particular focus on audio technicians and rentals, the amplifier of the new Thunder-KS line features a PowerCon True connector for powering the mains, allowing easier wiring extension and greater resistance to bad weather.

And precisely to ensure greater safety in case of bad weather, the entire connector panel is housed in a new area completely recessed inside the sub chassis, constituting a practical self-shelter solution, already sufficient for less heavy rains.

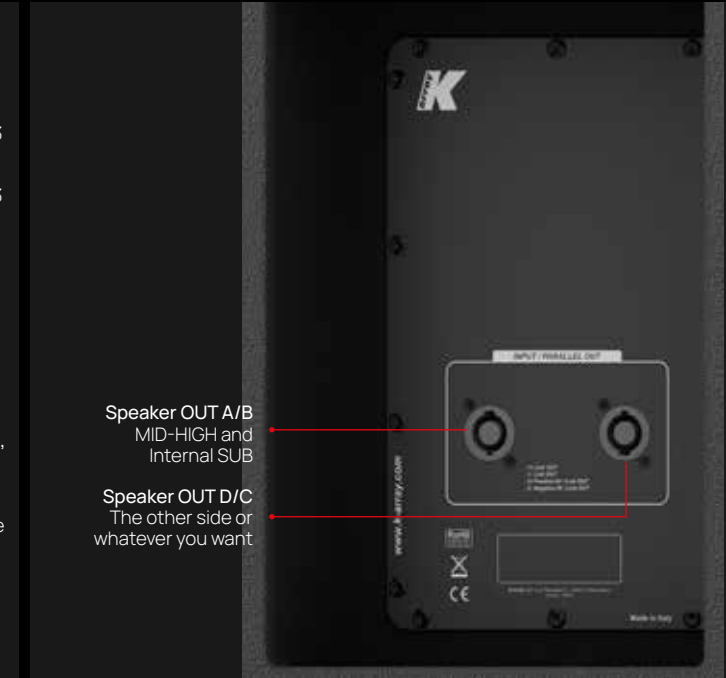
INPUT TERMINALS SELECTION AND LINK WIRING

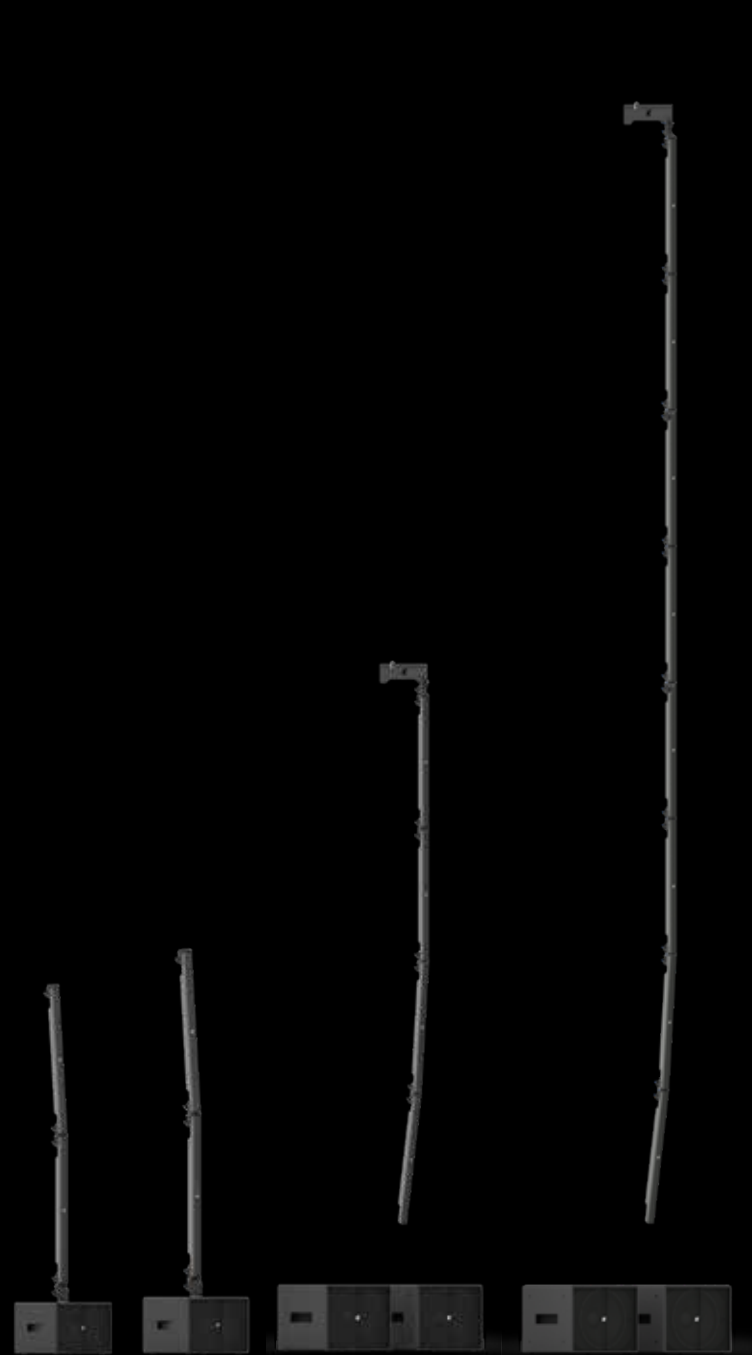


ACTIVE SUBWOOFER

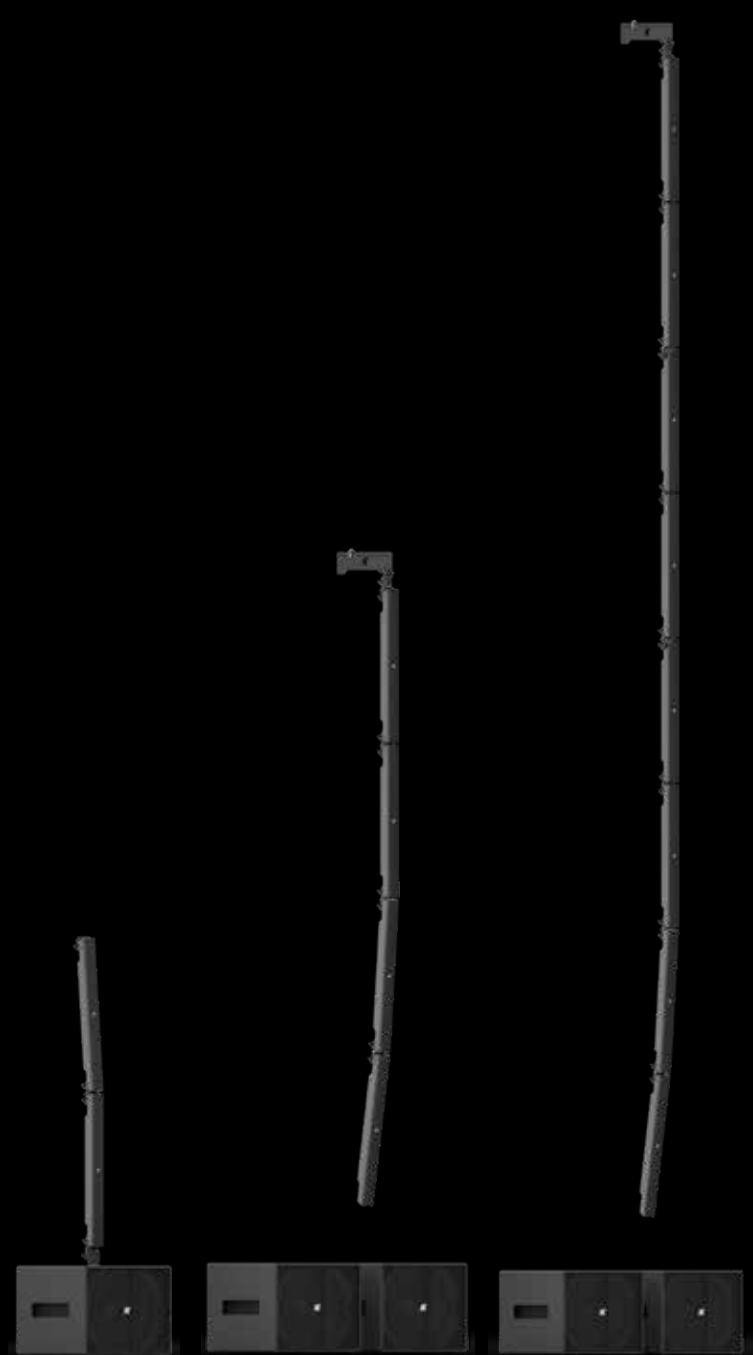


PASSIVE SUBWOOFER





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Pinnacle-KR4
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SYSTEMS CONFIGURATIONS

Pinnacle-KR2

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Pinnacle-KR202 II pag. 23

Pinnacle-KR204 II pag. 24



Kobra-KK102 I
16 x 2" neodymium
magnet woofers



Thunder-KS1
12" neodymium
magnet woofers



Thunder-KS2
18" neodymium
magnet woofers

Pinnacle-KR2

Pinnacle-KR102 II

- 2x **Kobra-KK102 I**
- 1x **Thunder-KS1 I**
- 1x **Thunder-KS1P I**
- 2x **K-KKPOLE**
- 2x **K-JOINT3**
- 2x **K-FOOT3**

Color Available

- White
- Black

Accessories Included



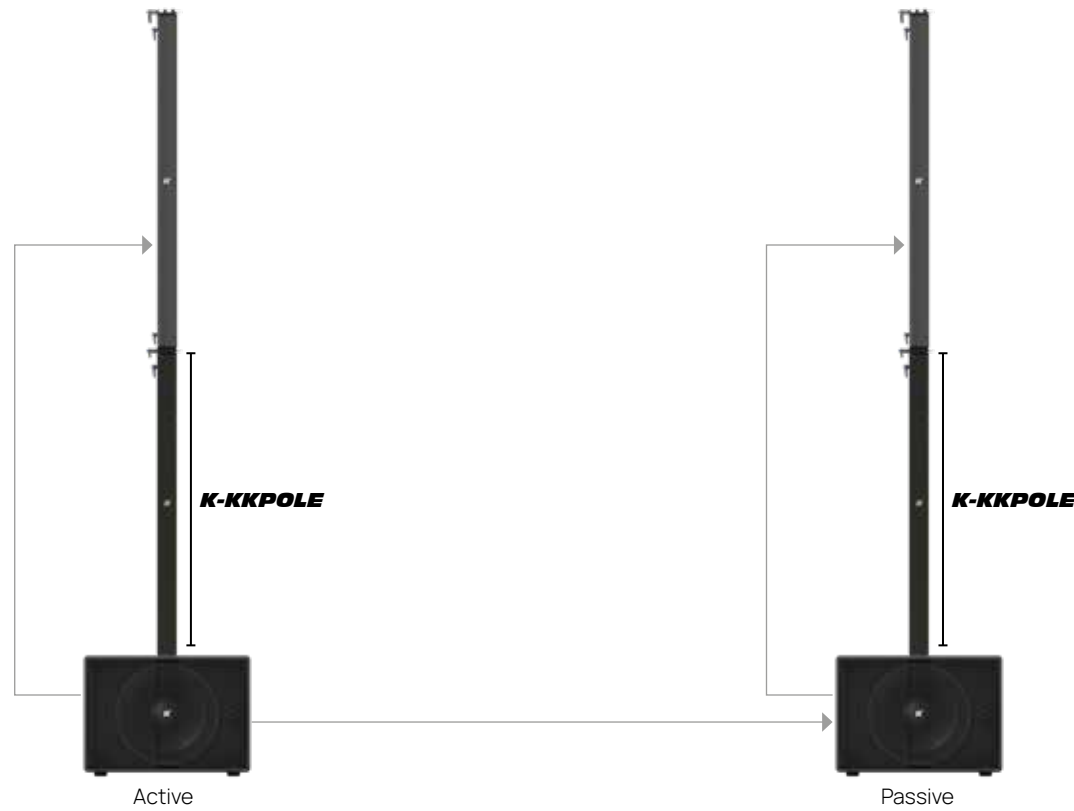
4x **K-JOINT3**



2x **K-FOOT3**



2x **K-KKPOLE**



CONFIGURATION 1

K-ARRAY
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Pinnacle-KR2

Pinnacle-KR202 II

- 4x **Kobra-KK102 I**
- 1x **Thunder-KS1 I**
- 1x **Thunder-KS1P I**
- 4x **K-JOINT3**
- 2x **K-FOOT3**

Color Available

- White
- Black

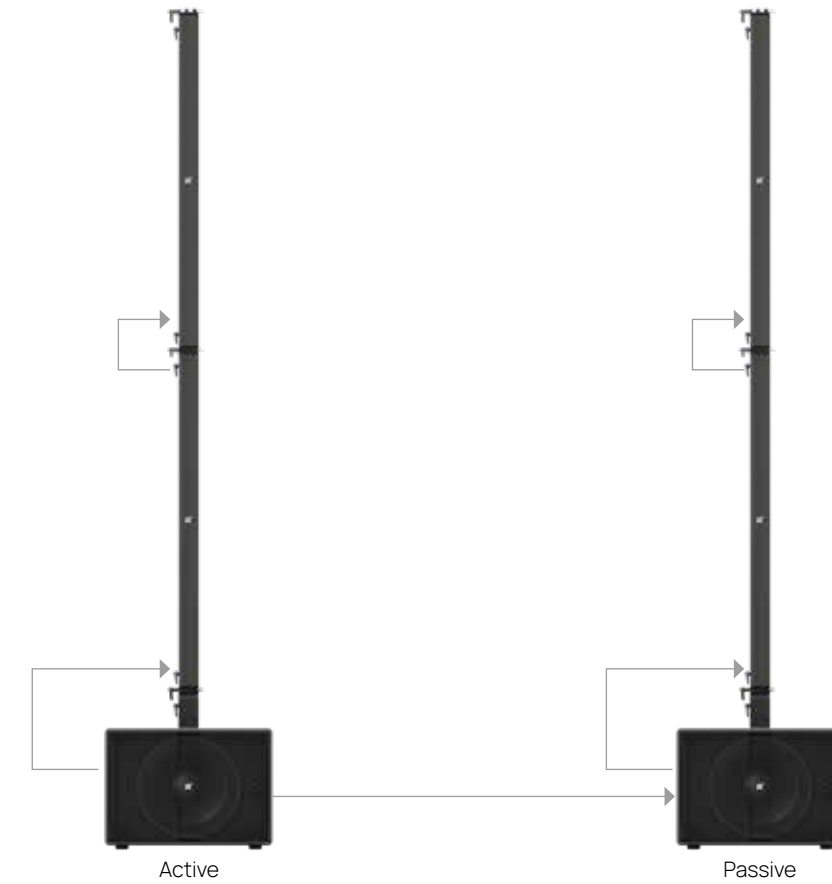
Accessories Included



4x **K-JOINT3**

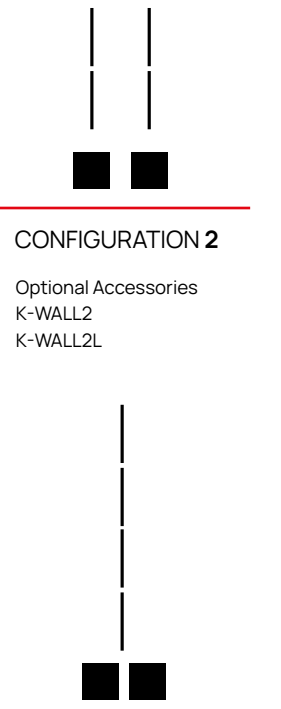


2x **K-FOOT3**



CONFIGURATION 1

K-ARRAY
Unique Audio Solutions



CONFIGURATION 2

Optional Accessories
K-WALL2
K-WALL2L

CONFIGURATION 3

Pinnacle-KR2

Pinnacle-KR204 II

- 8x **Kobra-KK102 I**
- 2x **Thunder-KS2 I**
- 2x **Thunder-KS2P I**
- 2x **Flybar**
- 8x **K-JOINT3**
- 4x **K-FOOT3**

Color Available

- White
- Black

Accessories Included



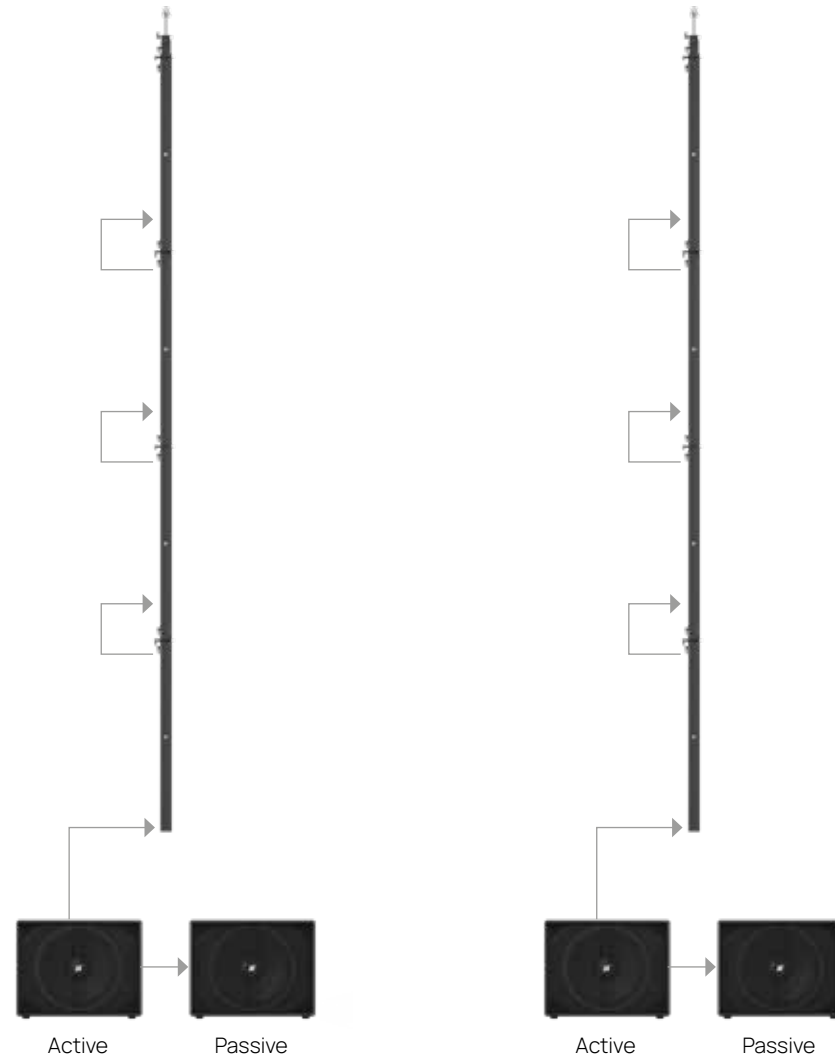
8x **K-JOINT3**



4x **K-FOOT3**



2x **FLYBAR**



CONFIGURATION 1

Pinnacle-KR2

2x Pinnacle-KR204 II

- 16x **Kobra-KK102 I**
- 4x **Thunder-KS2 I**
- 4x **Thunder-KS2P I**
- 2x **Flybar**
- 16x **K-JOINT3**
- 4x **K-FOOT3**

Color Available

- White
- Black

Accessories Included



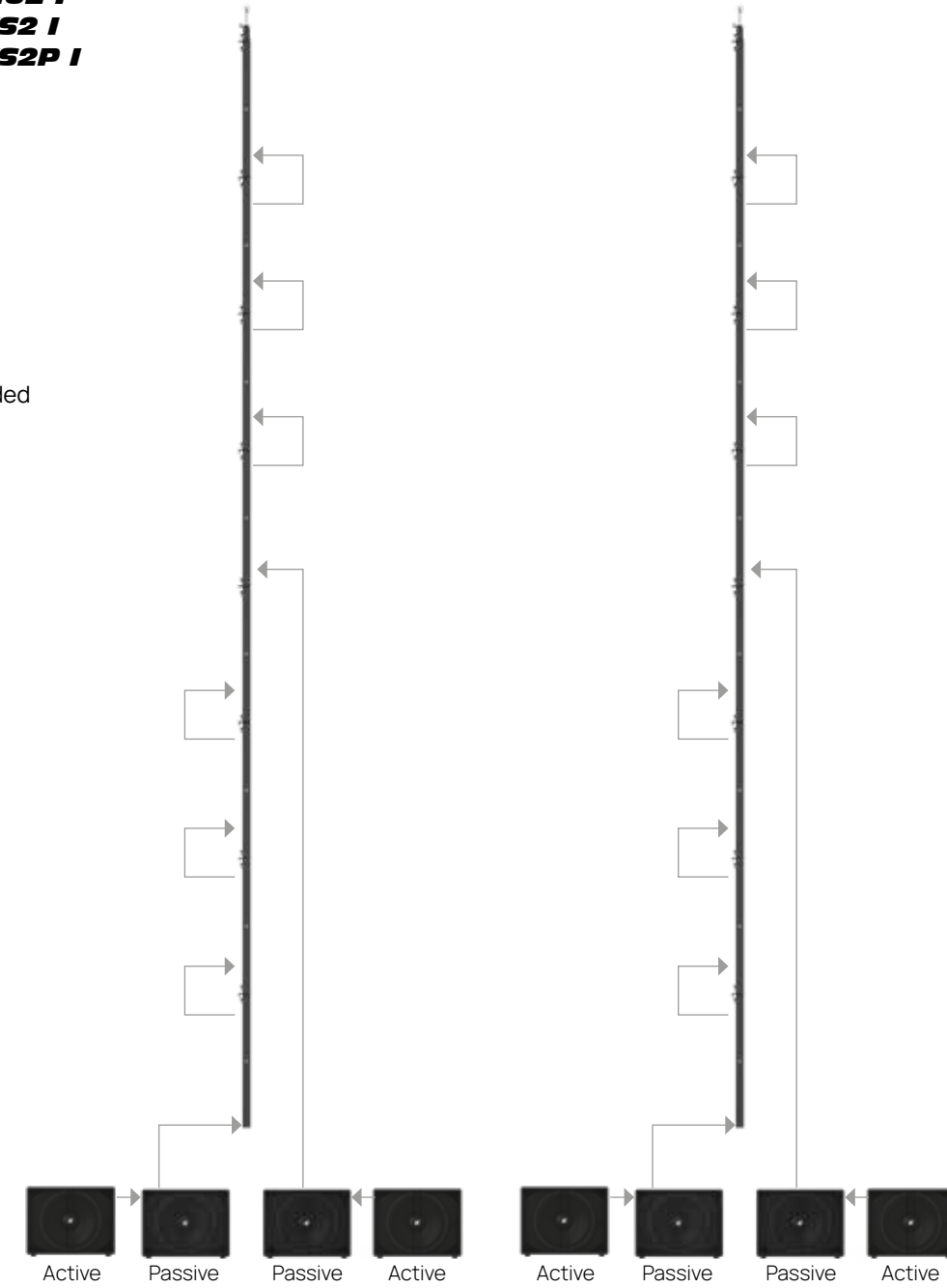
16x **K-JOINT3**



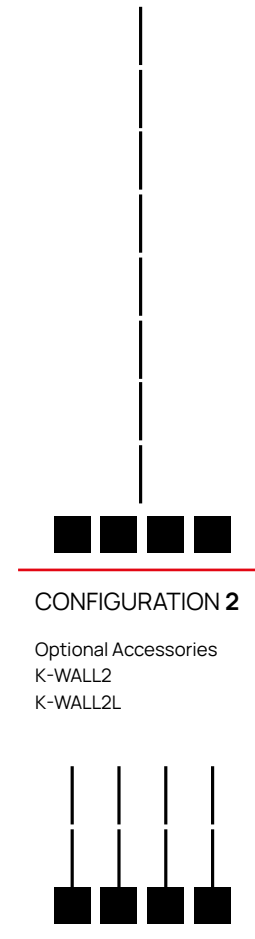
4x **K-FOOT3**



2x **FLYBAR**



CONFIGURATION 1

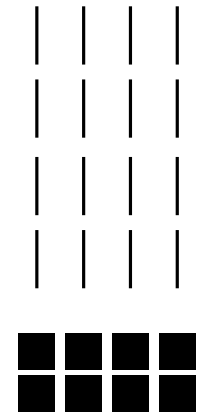


CONFIGURATION 2

Optional Accessories
K-WALL2
K-WALL2L

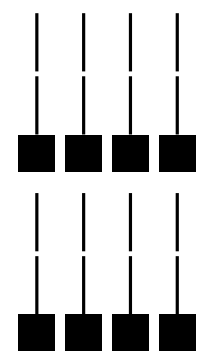


CONFIGURATION 3



CONFIGURATION 2

Optional Accessories
K-WALL2
K-WALL2L



CONFIGURATION 3

Pinnacle-KR3

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Python-KP102 I
12 x 3,5" neodymium
magnet woofers



Thunder-KS3
21" neodymium
magnet woofers

Pinnacle-KR3

Pinnacle-KR402 II

- 4 x **Python-KP102 I**
- 1 x **Thunder-KS3 I**
- 1 x **Thunder-KS3P I**
- 4 x **K-JOINT3**
- 2 x **K-FOOT3**

Color Available



White



Black

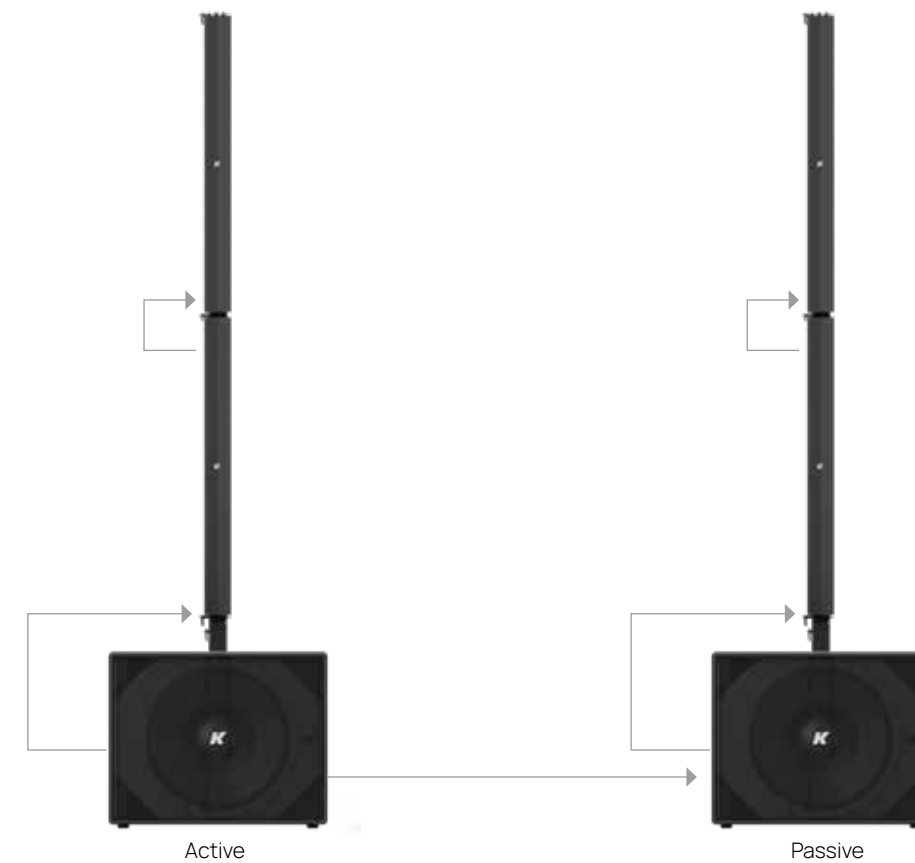
Accessories Included



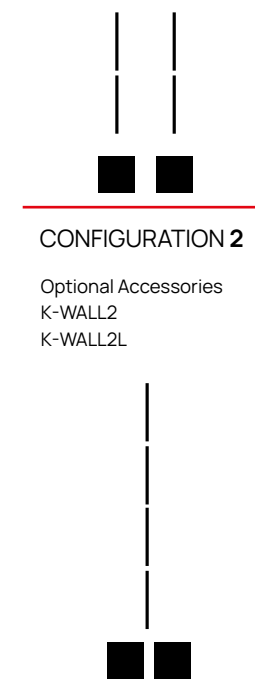
4 x **K-JOINT3**



2 x **K-FOOT3**



CONFIGURATION 1



CONFIGURATION 2

Optional Accessories
K-WALL2
K-WALL2L

CONFIGURATION 3

Pinnacle-KR3

Pinnacle-KR404 II

- 8 x **Python-KP102 I**
- 2 x **Thunder-KS3 I**
- 2 x **Thunder-KS3P I**
- 2 x **Flybar**
- 8 x **K-JOINT3**
- 4 x **K-FOOT3**

Color Available

- White
- Black

Accessories Included



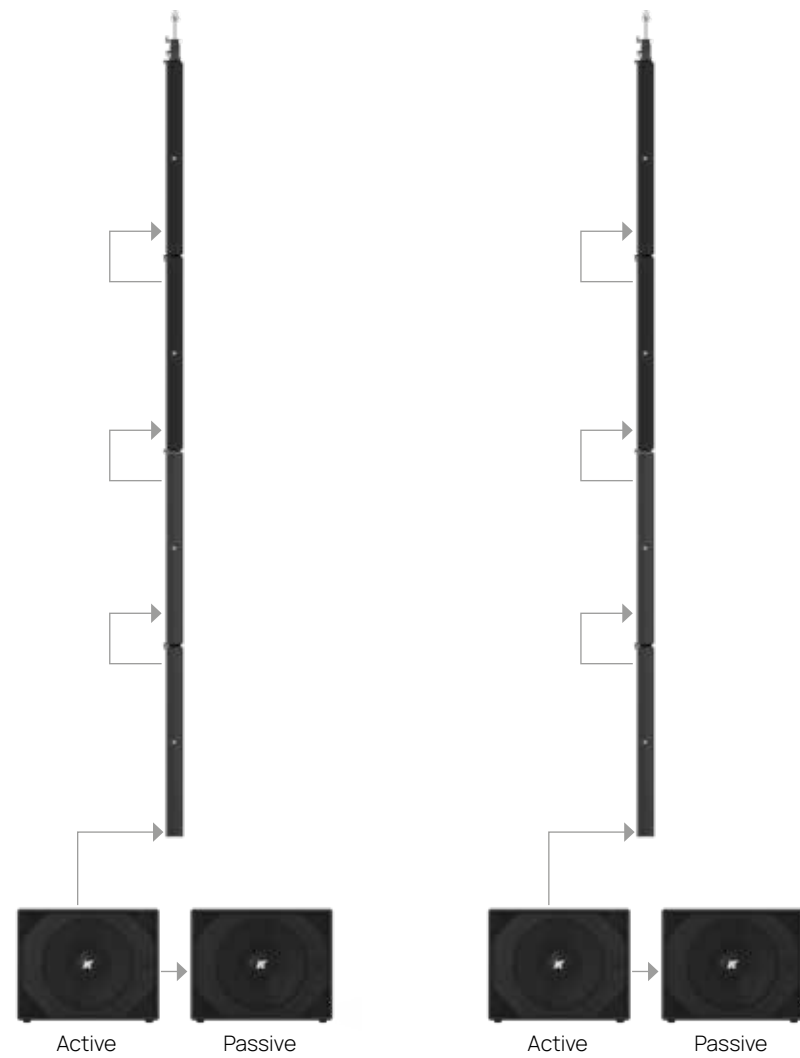
8 x **K-JOINT3**



4 x **K-FOOT3**



2 x **FLYBAR**



CONFIGURATION 1

Pinnacle-KR3

2 x Pinnacle-KR404 II

- 16 x **Python-KP102 I**
- 4 x **Thunder-KS3 I**
- 4 x **Thunder-KS3P I**
- 2 x **Flybar**
- 16 x **K-JOINT3**
- 4 x **K-FOOT3**

Color Available

- White
- Black

Accessories Included



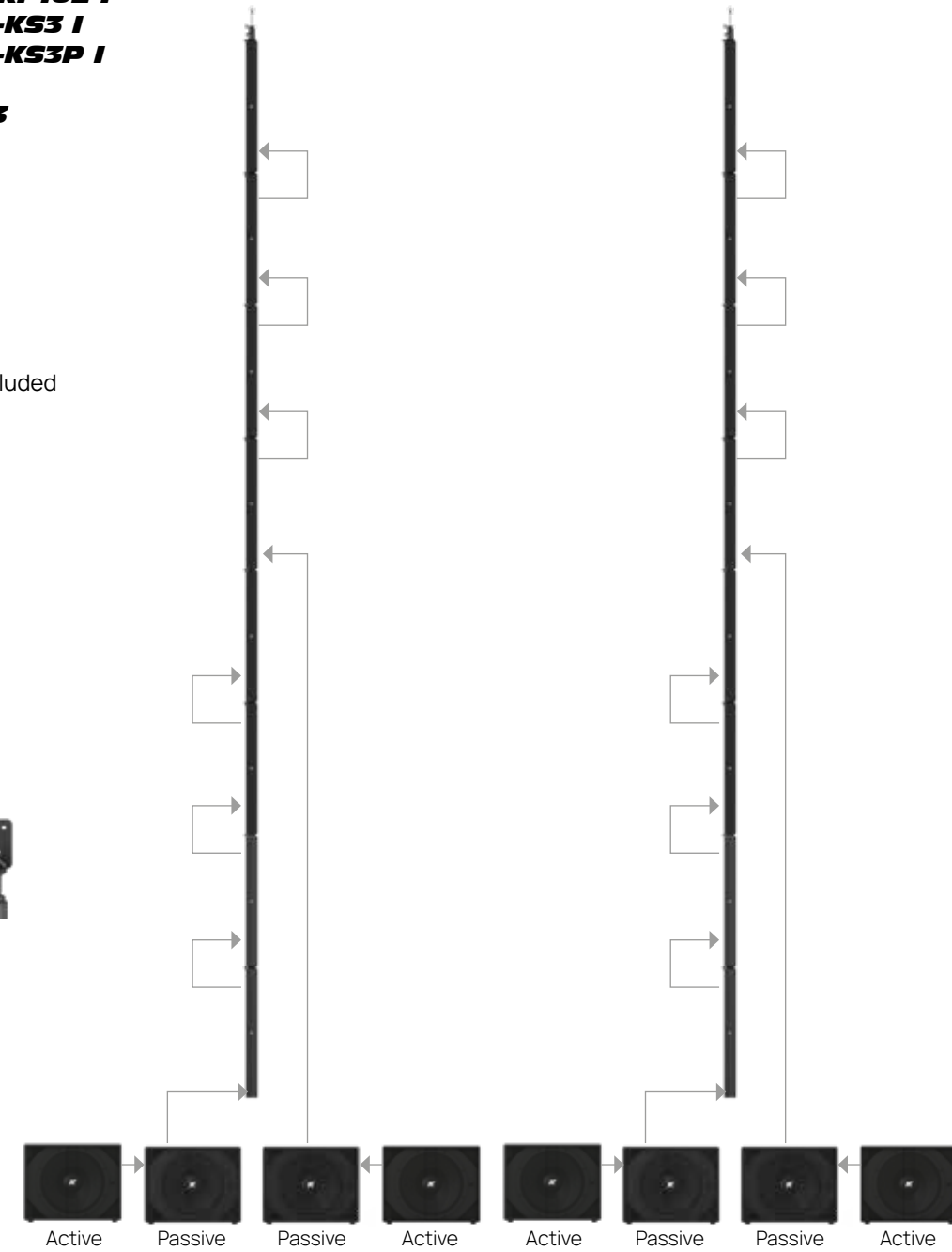
16 x **K-JOINT3**



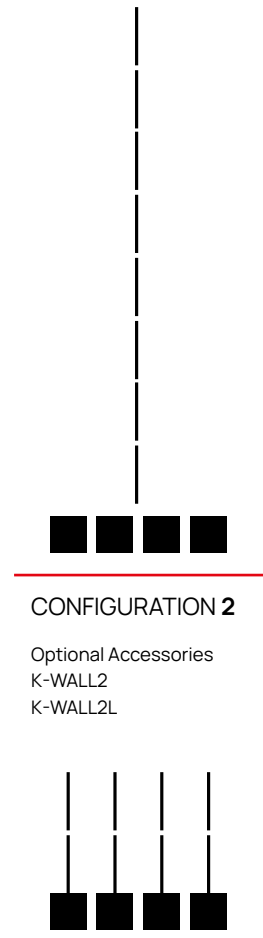
4 x **K-FOOT3**



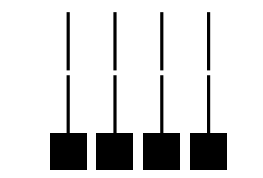
2 x **FLYBAR**



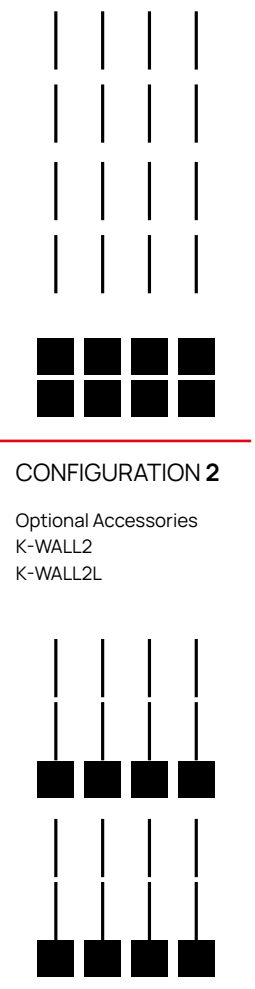
CONFIGURATION 1



CONFIGURATION 2
Optional Accessories
K-WALL2
K-WALL2L



CONFIGURATION 3



CONFIGURATION 2
Optional Accessories
K-WALL2
K-WALL2L

CONFIGURATION 3

Pinnacle-KR4

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Kayman-KY102 I
8 x 4" neodymium
magnet woofers



Thunder-KS4
2 x 18" neodymium
magnet woofers

Pinnacle-KR4

Pinnacle-KR802 II

- 4 x **Kayman-KY102**
- 1 x **Thunder-KS4 I**
- 1 x **Thunder-KS4P I**
- 4 x **K-JOINT3**
- 2 x **K-FOOT3**

Color Available

- White
- Black

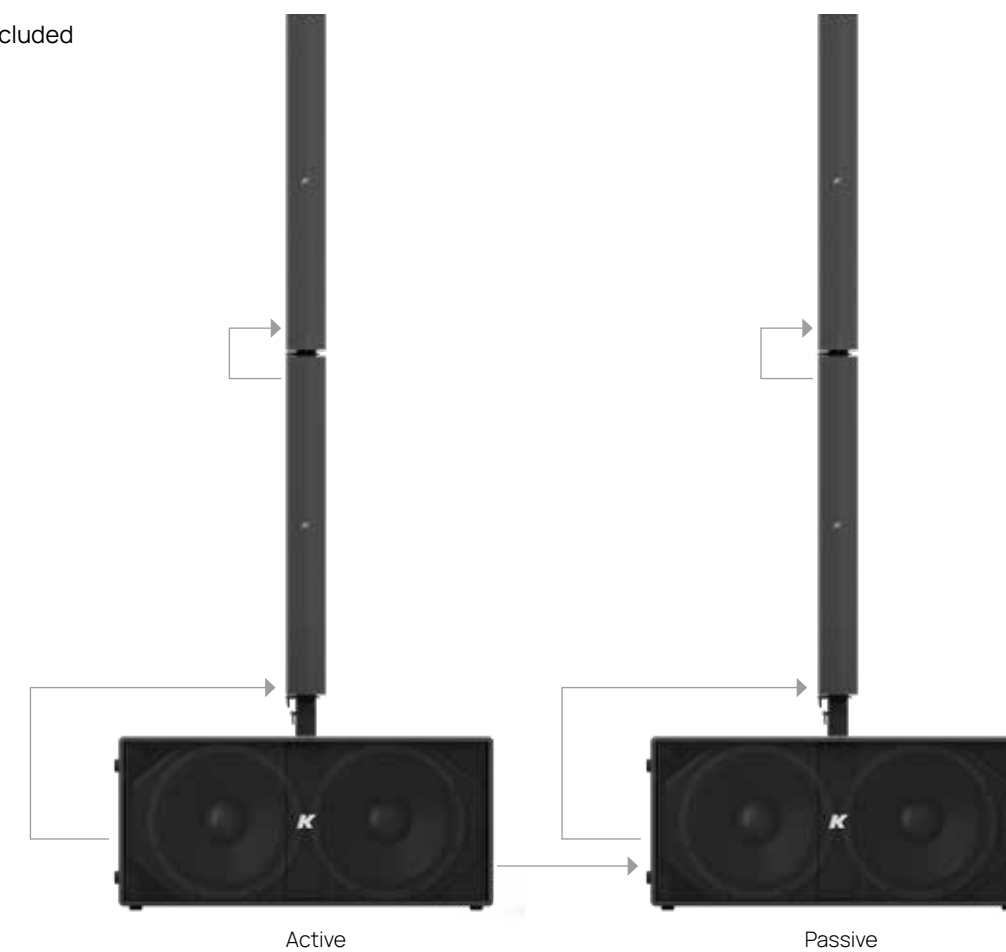
Accessories Included



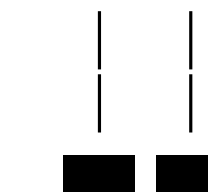
4 x **K-JOINT3**



2 x **K-FOOT3**

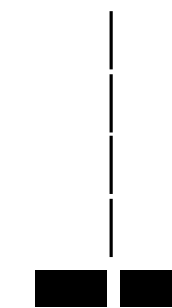


CONFIGURATION 1



CONFIGURATION 2

Optional Accessories
K-WALL2
K-WALL2L



CONFIGURATION 3

Pinnacle-KR4

Pinnacle-KR804 II

- 8 x **Kayman-KY102**
- 2 x **Thunder-KS4 I**
- 2 x **Thunder-KS4P I**
- 2 x **Flybar**
- 8 x **K-JOINT3**
- 4 x **K-FOOT3**

Color Available

- White
- Black

Accessories Included



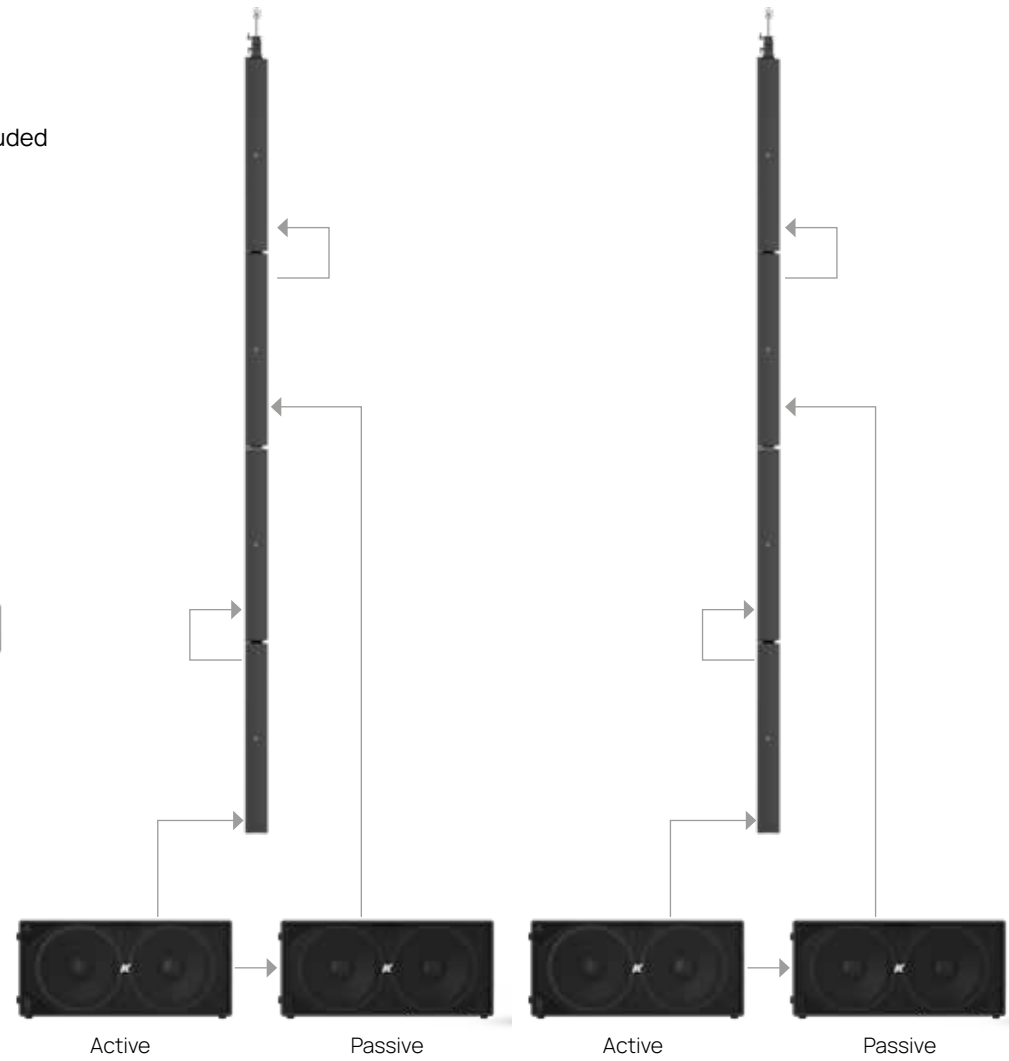
8 x **K-JOINT3**



4 x **K-FOOT3**



2 x **FLYBAR**



CONFIGURATION 1

Pinnacle-KR4

2 x Pinnacle-KR804 II

- 16 x **Kayman-KY102**
- 4 x **Thunder-KS4 I**
- 4 x **Thunder-KS4P I**
- 2 x **Flybar**
- 16 x **K-JOINT3**
- 4 x **K-FOOT3**

Color Available

- White
- Black

Accessories Included



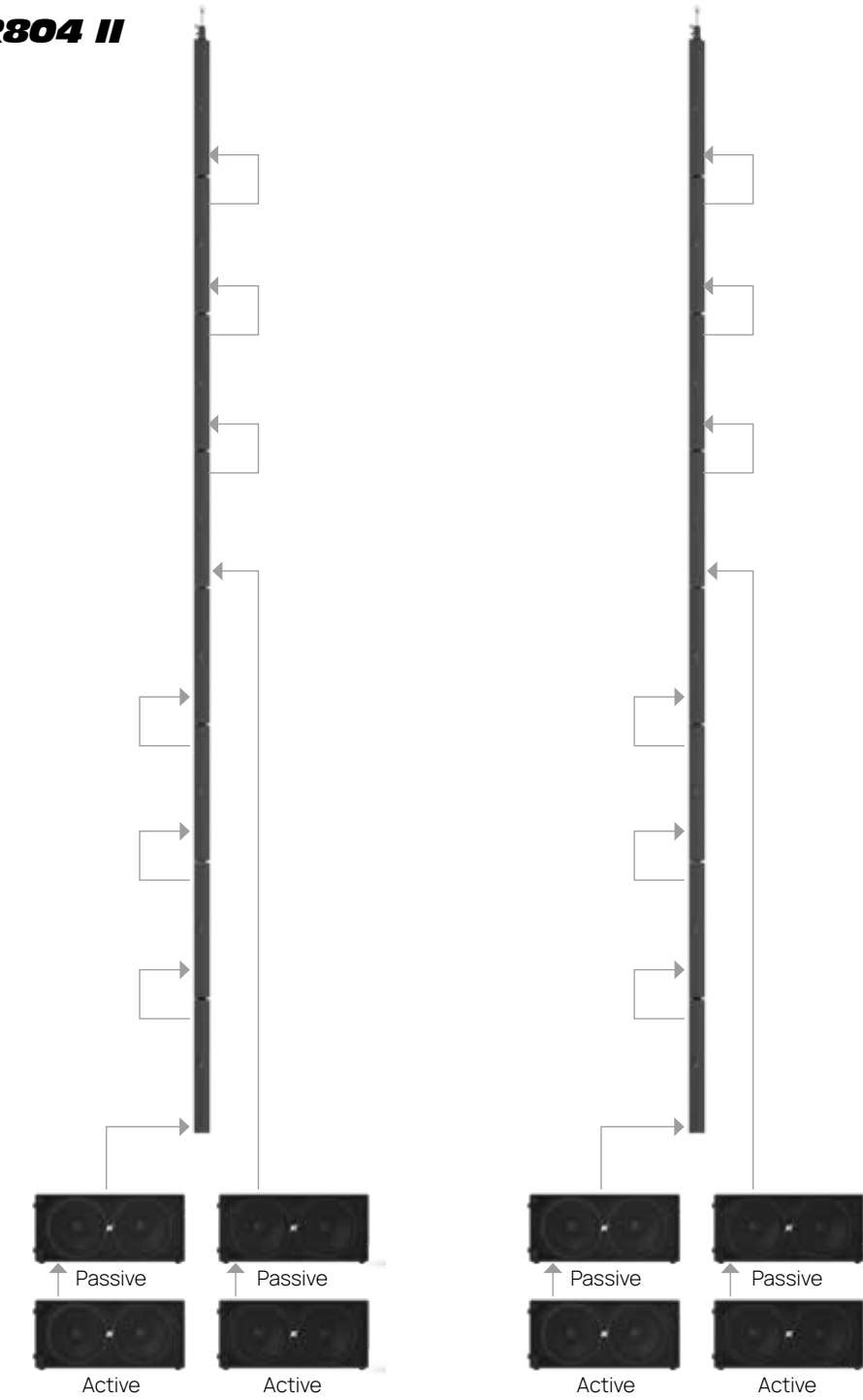
16 x **K-JOINT3**



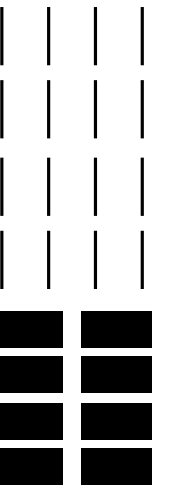
4 x **K-FOOT3**



2 x **FLYBAR**

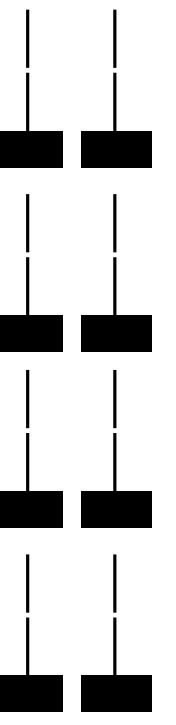


CONFIGURATION 1



CONFIGURATION 2

Optional Accessories
K-WALL2
K-WALL2L



CONFIGURATION 3

K-ARRAY

Unique Audio Solutions

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