STACKING THE CONCERT SERIES

RIGGING MANUAL
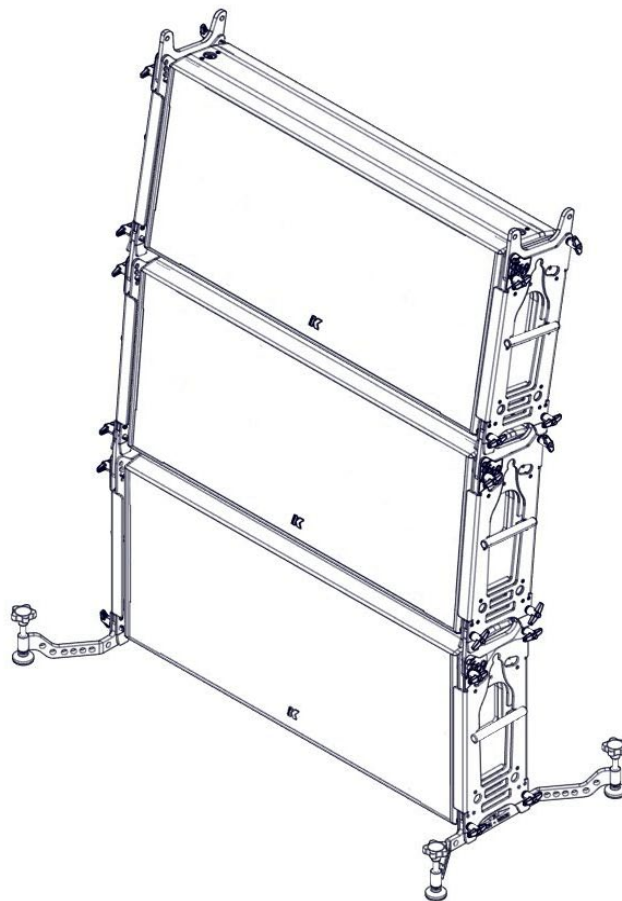## English

TABLE OF CONTENTS

SYMBOLS

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!

Waste Electrical and Electronic Equipment (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 symbol alerts the user to the presence of recommendations about the product's use and maintenance.

Warning: DANGEROUS VOLTAGE.
Terminals marked with this symbol carry a risk of electric shock, therefore external wiring connected to these terminals requires installation by a qualified professional or the use of ready-made leads or cords.

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

This device complies with the Restriction of Hazardous Substances Directive.

1. INTRODUCTION

The following pages will instruct how to stack a KH5/KH3/KH2 cluster. Although this manual contains an ample amount of useful information on rigging in general, it does not claim to be a comprehensive resource on the subject. This manual assumes that the owner(s) and/or user(s) of a K-array system are knowledgeable and experienced in the areas of rigging and flying loudspeaker systems.

The user must assume all responsibility for the appropriate use of K-array systems, in any particular location or circumstance.
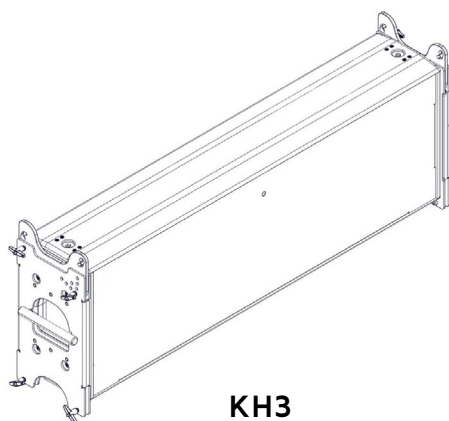
It is recommended to attend the training courses offered by K-array before proceeding with the installation of the system.
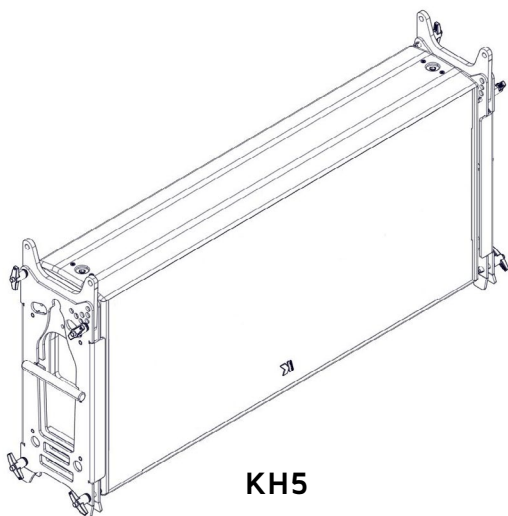
2. SYSTEM COMPONENTS

2.1 LOUDSPEAKER ENCLOSURES
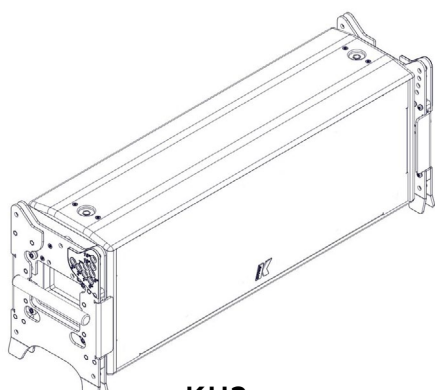
KH2

KH3

KH5

Please read the KH5, KH3 and KH2 User Guides carefully for important safety information and operation details

2.3 STACKING HARDWARE

K-HCBASE

Accessory to stack up to three KH5 or up to four KH3

K-HCBASE2

Accessory to stack up to six KH2. Please note that the only difference between the K-HCBASE and the K-HCBASE2 is the diameter of the holes for the pins

3. SAFETY INFORMATION

Read these instructions - Keep these instructions - Heed all warnings

⚠️ Warning: failure to follow these safety instructions could result in fire, shock or other injury or damage to the device or other property.

Laws and regulations: The suspension of large, heavy objects in public places is subject to numerous laws and regulations at the national, federal, state, provincial, and local levels. This manual does not address the specifics of any such applicable laws and government regulations. This manual details procedures and practices consistent with those generally acknowledged as allowable and safe in Europe. However, the user must assume responsibility for making sure that use of any K-array system and its components in any particular circumstance or venue conforms to all applicable laws and regulations in force at the time.
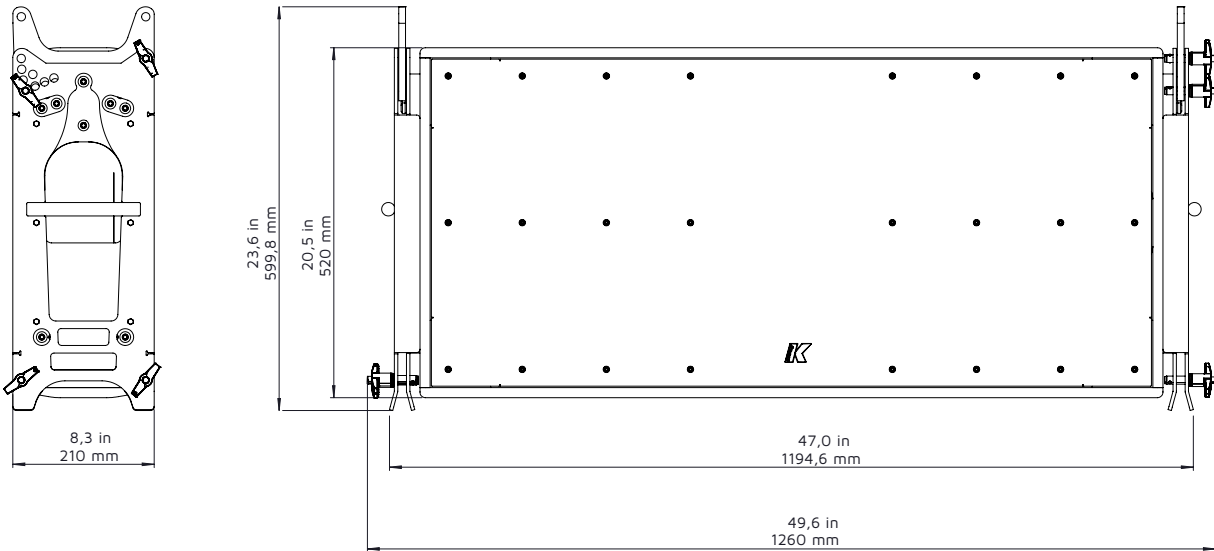
Personnel health and safety: During installation and setup, personnel should wear protective headgear and footwear at all times. Under no circumstances should personnel climb on the loudspeaker assembly.

Wind loads: In case of outdoor installation, assure that wind does not interfere with the system's stability, taking extra securities like chains, weights, ropes or any other certified anchoring systems.

Ground stacking: Do not ground stack a cluster on uneven ground or platform. If the system is ground stacked on a structure, platform or stage always check that it can support the total weight of the system. Always check the stability of the system. When stacking more than two KH5 or more than three KH3 or more than four KH2, always secure the base to a stable surface with chains, ropes or any other certified anchoring systems.
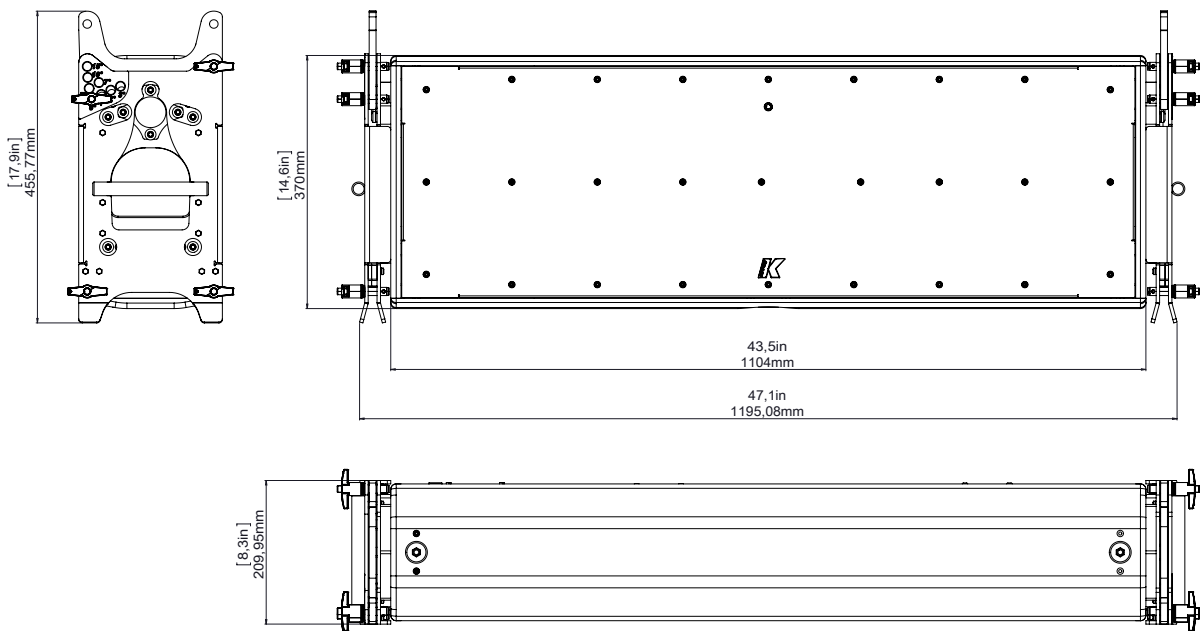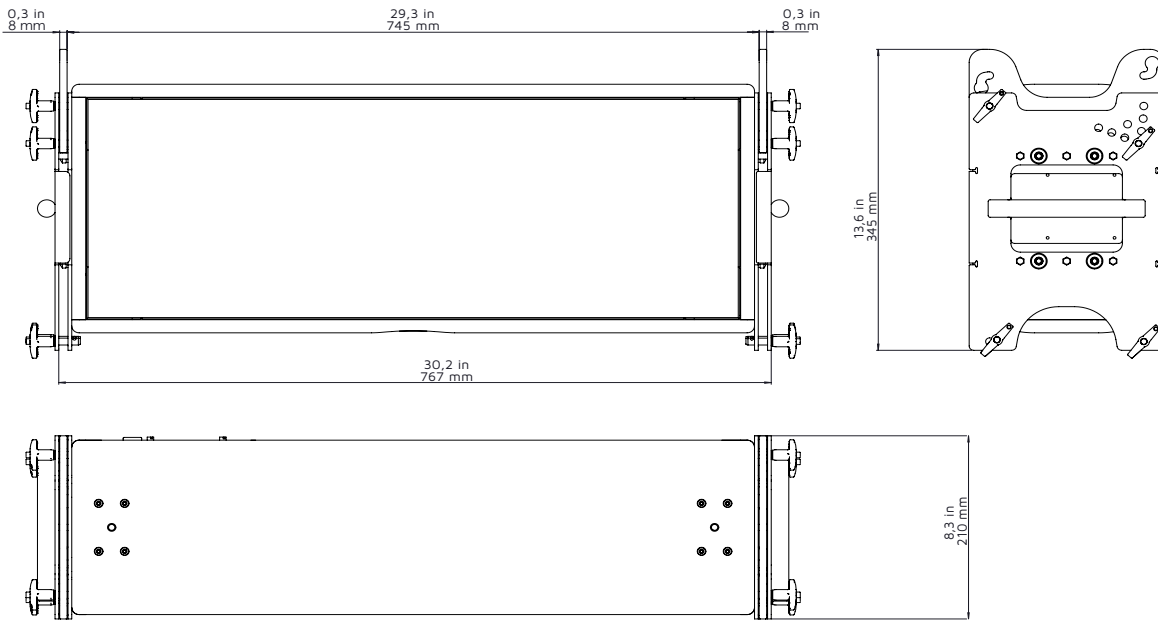
4. PRODUCT OVERVIEW

KH5 UNIT

23,6 in
599,8 mm

20,5 in
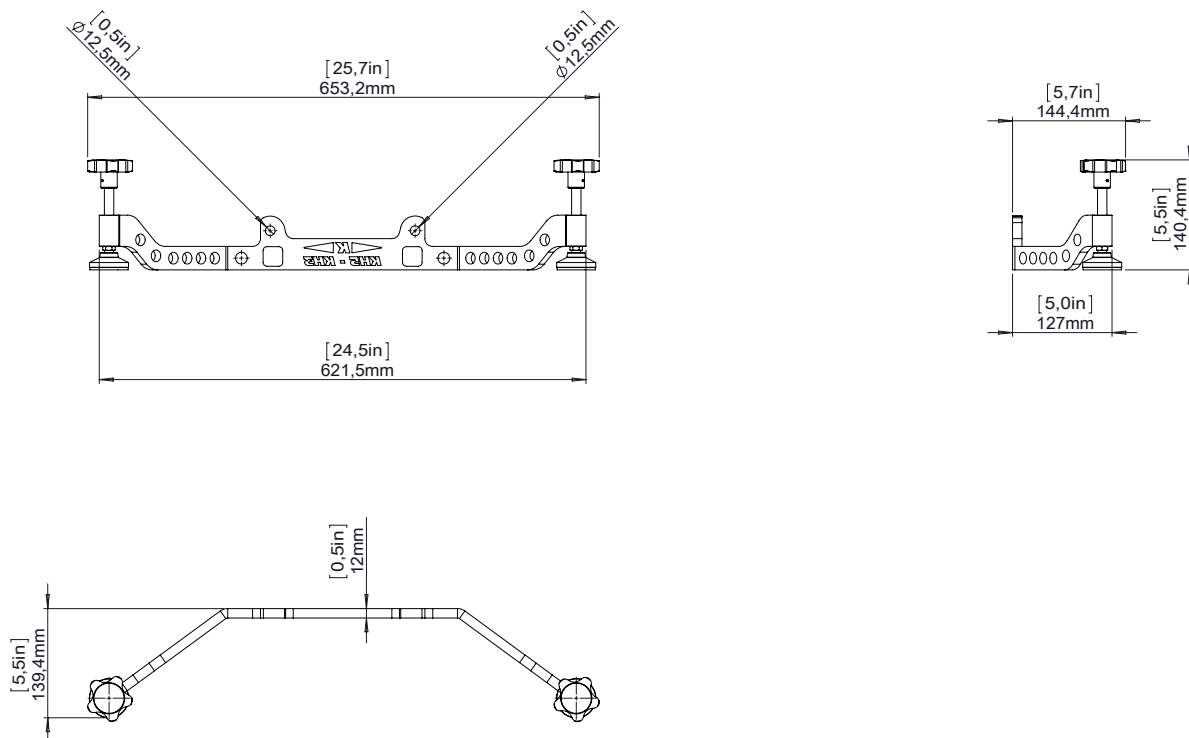520 mm

8,3 in
210 mm

47,0 in
1194,6 mm

49,6 in
1260 mm

Weight
61.2 kg (134.9 lbs)

KH3 UNIT

[17,9in]
455.77mm

[14,6in]
370mm

[8,3in]
209,95mm

43,5in
1104mm

47,1in
1195,08mm

Weight
46 kg (101.4 lbs)

KH2 UNIT

0,3 in
8 mm

29,3 in
745 mm

0,3 in
8 mm

13,6 in
345 mm

30,2 in
767 mm

8,3 in
210 mm

Weight
31.2 kg (68.8 lbs)

K-HCBASE/K-HCBASE2

[0.5in]
⌀12.5mm

[25,7in]
653,2mm

[0.5in]
⌀12.5mm

[5,7in]
144,4mm

[5,5in]
140,4mm

[24,5in]
621,5mm

[5,0in]
127mm

[0,5in]
12mm

[5,5in]
139,4mm

5. STACKING A CLUSTER

The K-HCBASE accessory allows the stacking of up to three KH5 units and up to four KH3 units while the K-HCBASE2 allows the stacking of up to six KH2 units.

5.1 STACKING A KH5/KH3 CLUSTER

The following step-by-step instructions explain how to stack a cluster composed of three KH5 elements. Follow the same procedure to stack a cluster composed of KH3 units.

1. Position the base on a flat surface and position the first KH5/KH3 unit as shown in the picture below.
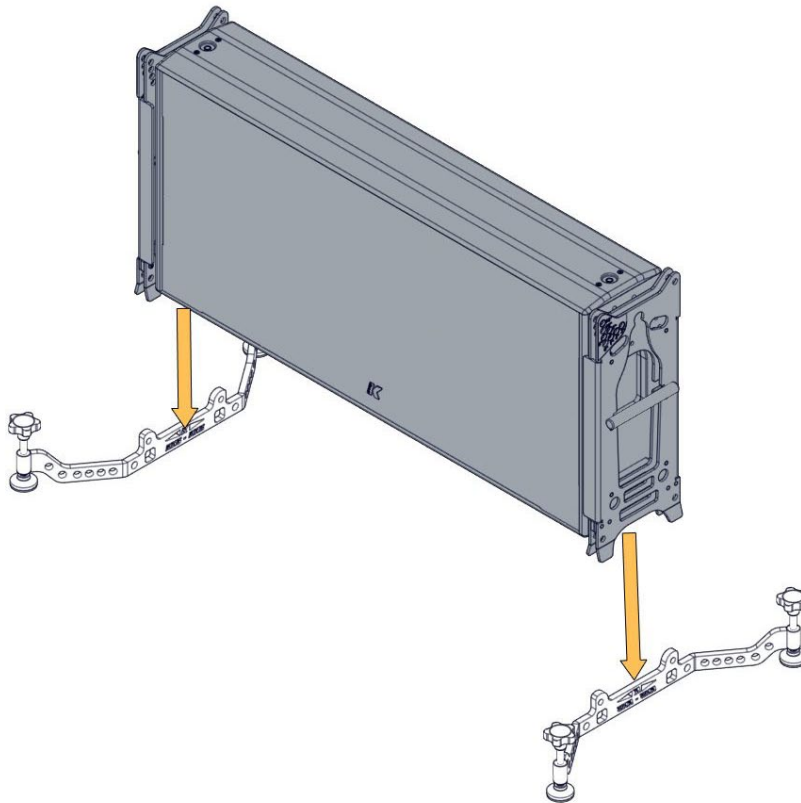
> ⚠ • Do not ground stack a cluster on uneven ground or platform. If the system is ground stacked on a structure, platform or stage always check that it can support the total weight of the system.
> • Do not gound stack more than three KH5 or four KH3 units.
> • Always check the stability of the system. When stacking three KH5 or four KH3, always secure the base to a stable surface with chains, ropes or any other certified anchoring systems. ⚠
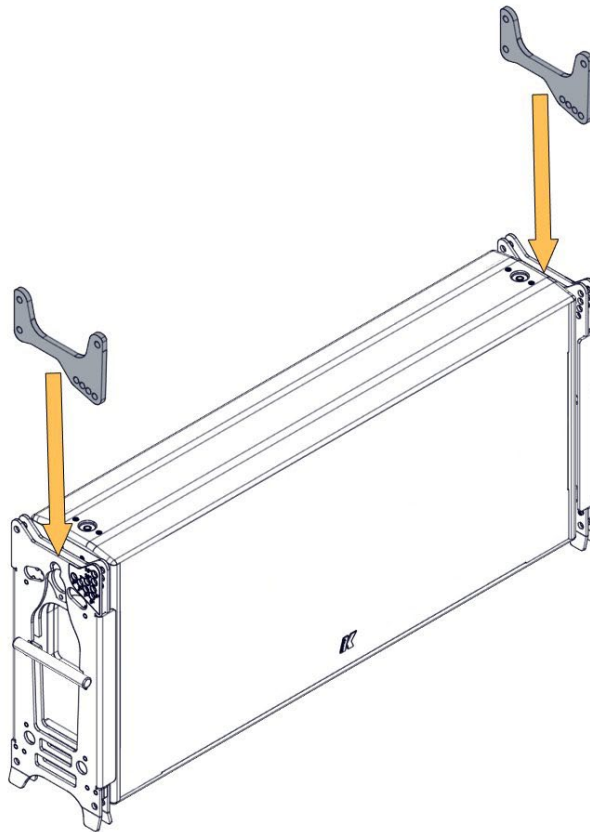
2. Insert the four 12x25 quick release pins supplied with the system to secure the unit to the base.
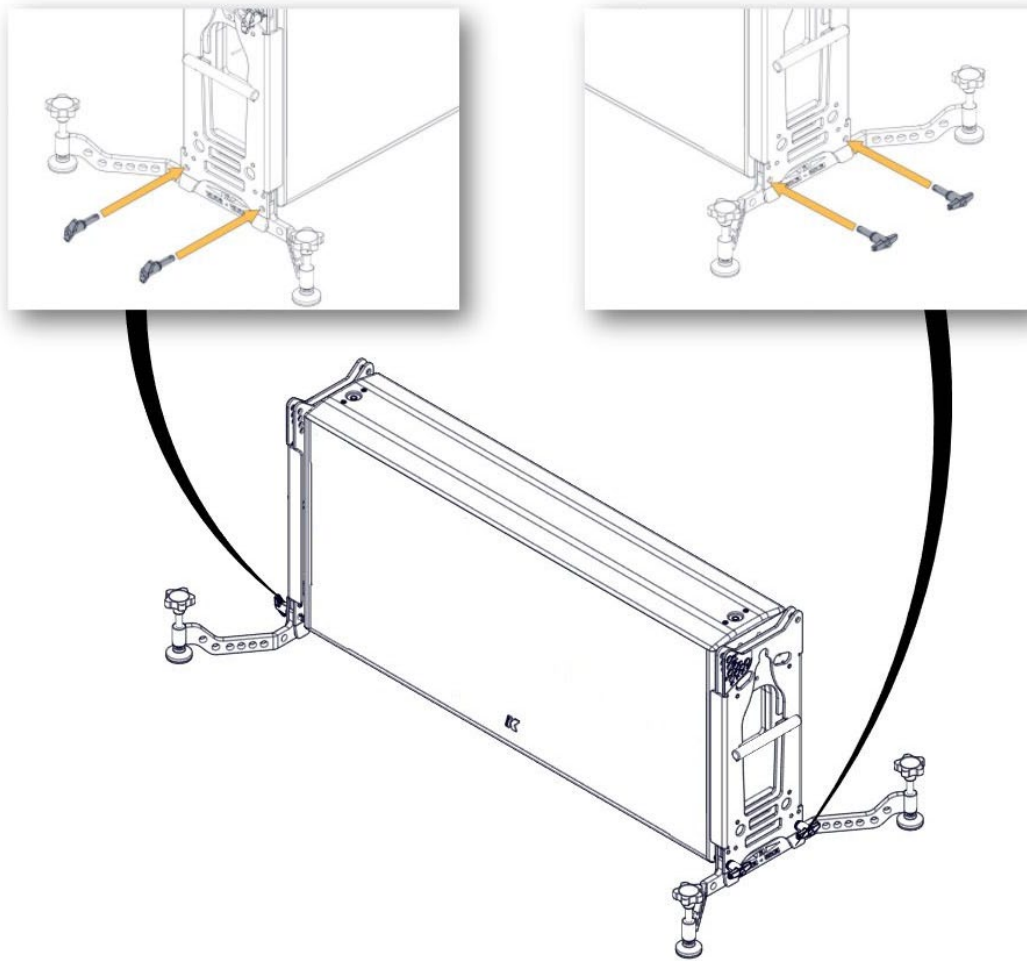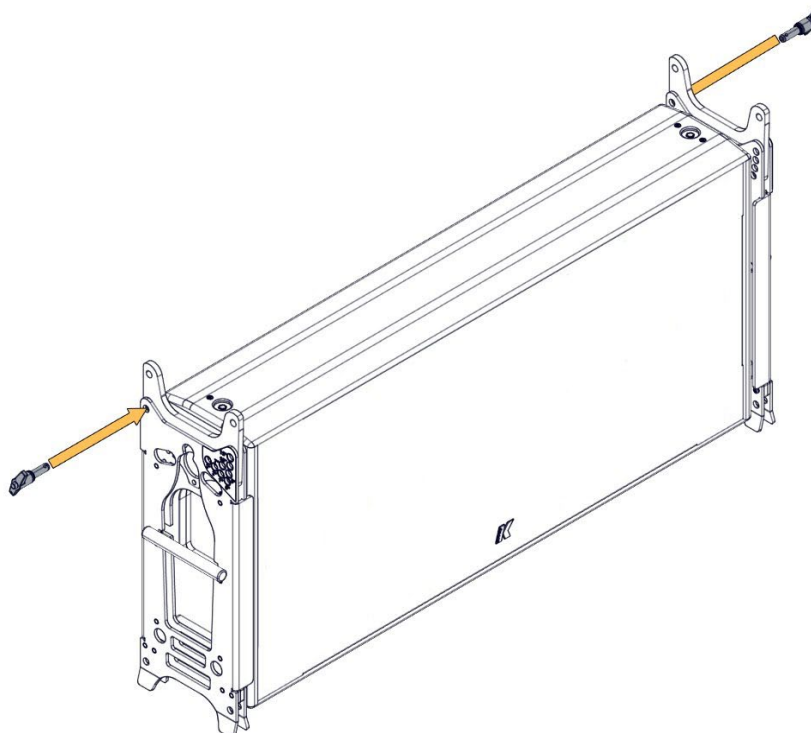

3. Level off the base so that the KH5/KH3 is in perfect vertical position.
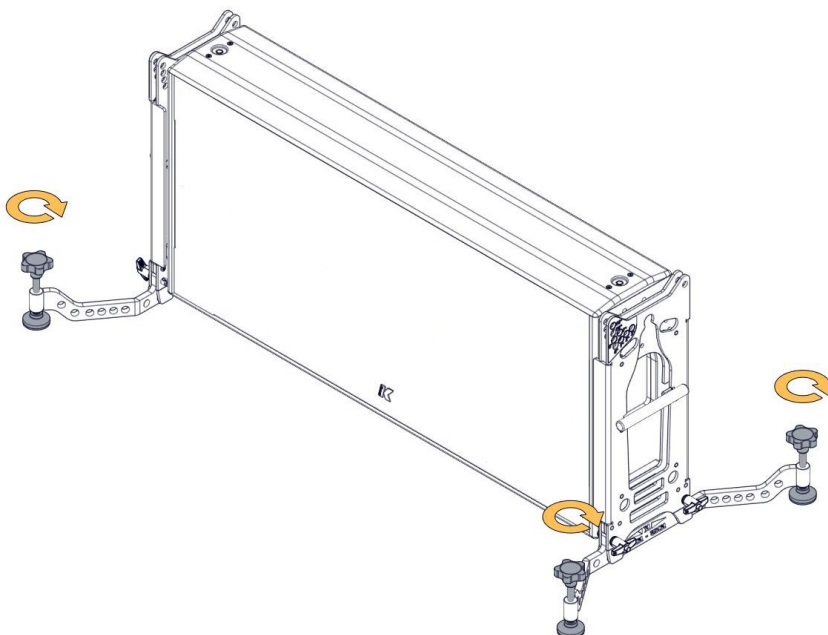
4. To connect another unit, insert the two plates supplied with the system as shown in the picture below (the base is not shown).
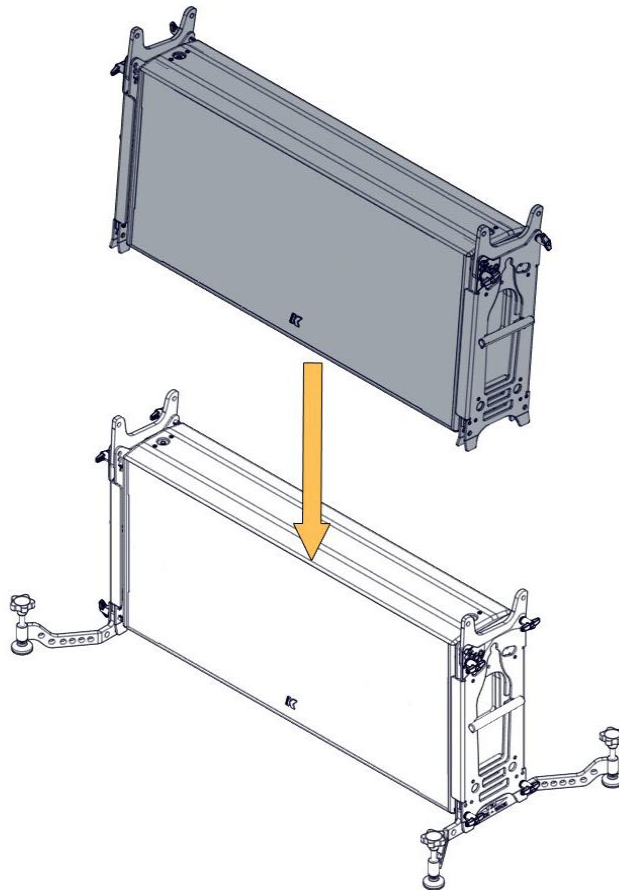
5. Plug the two 12x25 quick release pins supplied with the system in the rear holes to secure the plates to the KH5/KH3 enclosure.
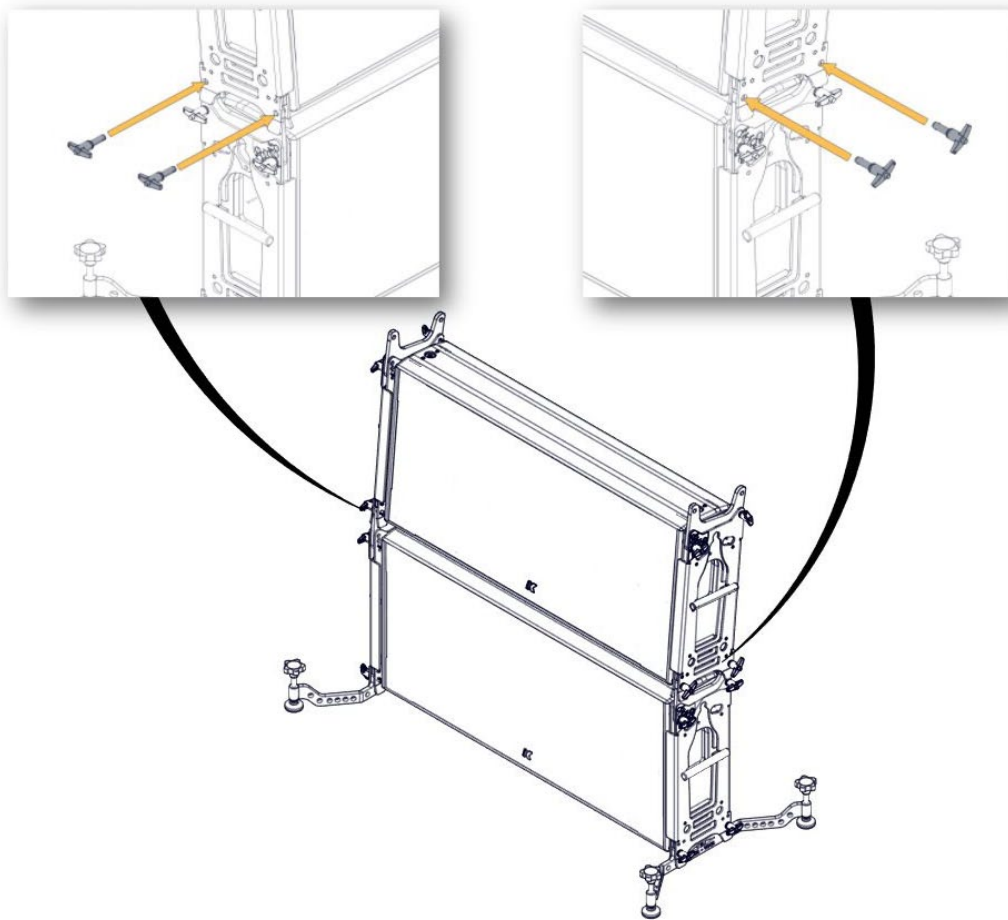
6. Insert two 12x25 quick release pins in the front holes corresponding to the angle you would like to maintain between the two units.
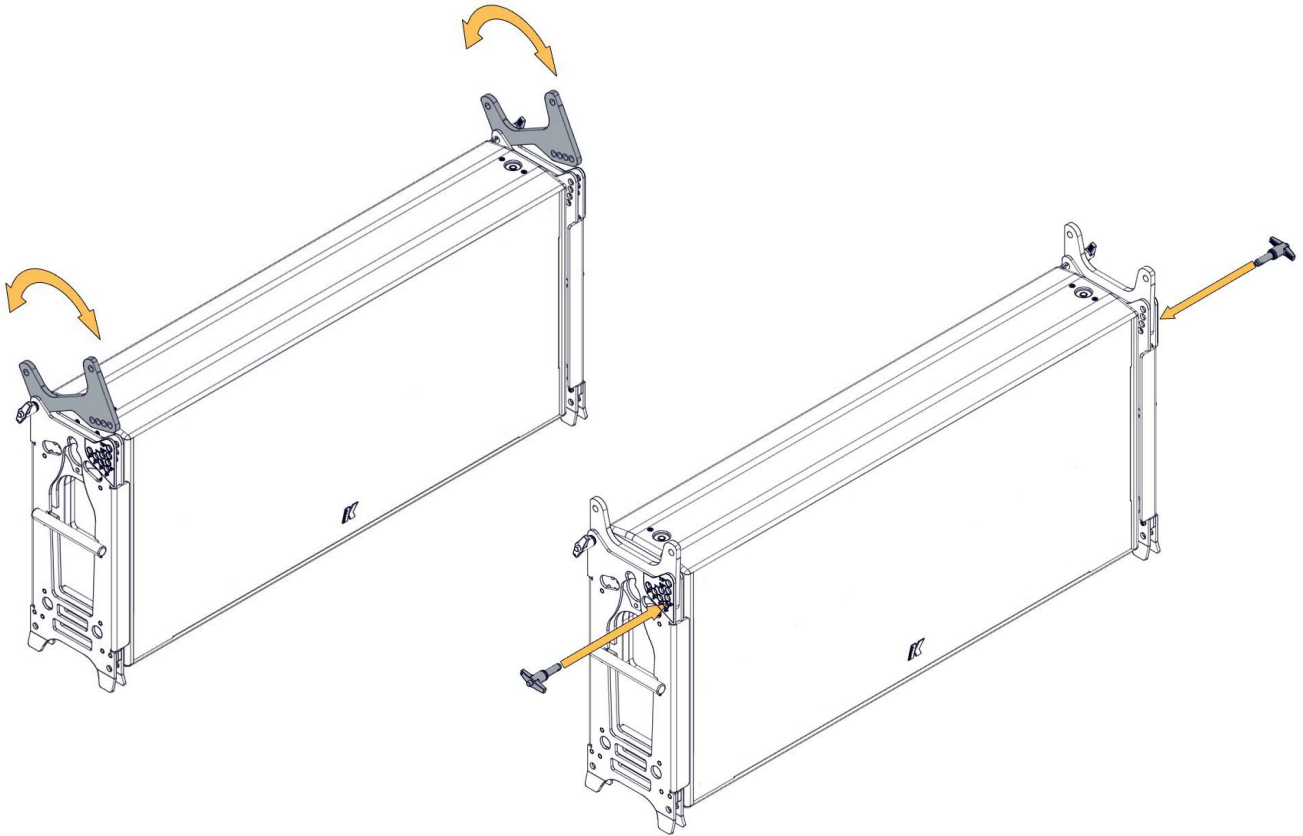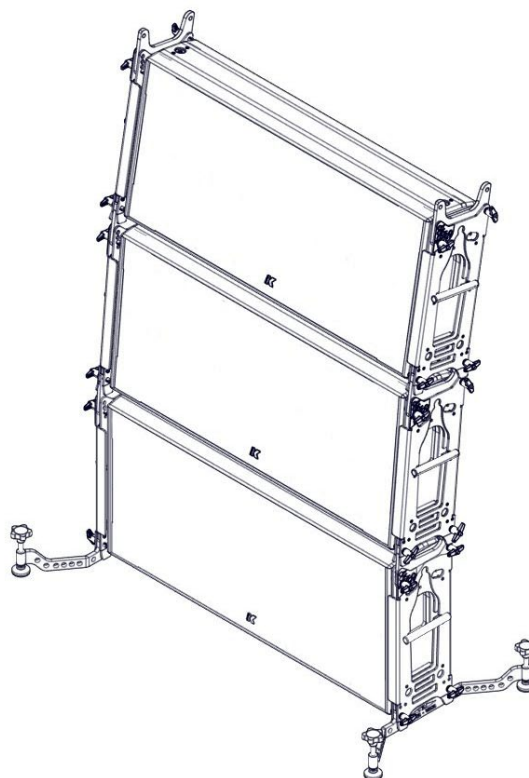

7. Insert the next unit.

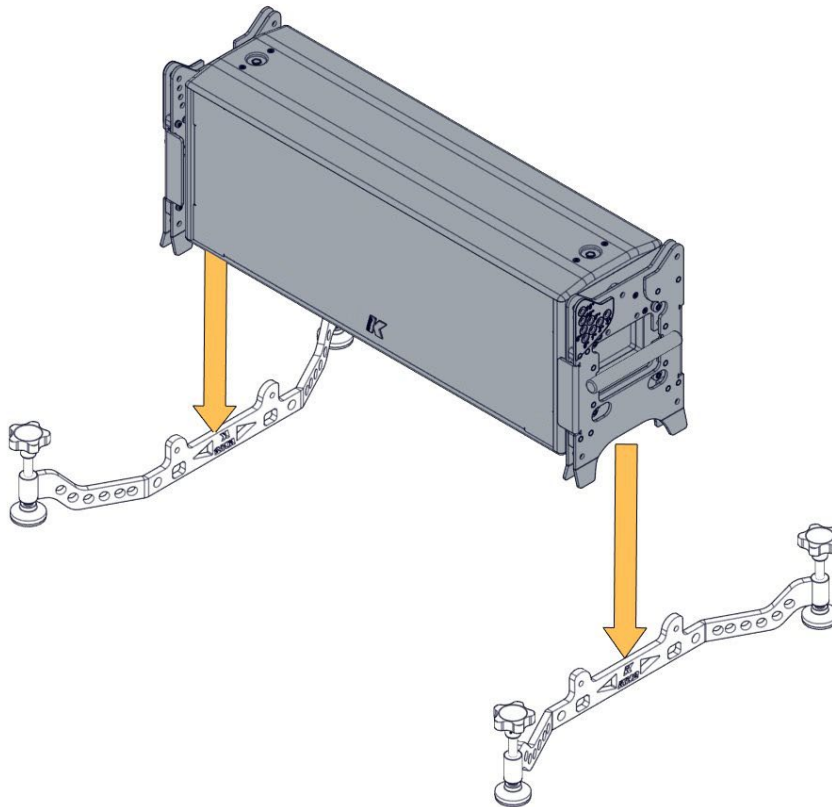8. Plug four 12x25 pins to secure the two units.

9. Repeat Steps 4 through 8 to connect the next unit.

5.2 STACKING A KH2 CLUSTER

These step-by-step instructions explain how to stack a cluster composed KH2 units. Please note that you will need the K-HCBASE2 accessory to stack the cluster. The K-HCBASE2 is very similar to the K-HCBASE but features holes with a different diameter to insert smaller pins.

1. Position the base on a flat surface and position the first KH2 unit as shown in the picture below.


- Do not ground stack a cluster on uneven ground or platform. If the system is ground stacked on a structure, platform or stage always check that it can support the total weight of the system.
- Do not gound stack more than 6 KH2.
- Always check the stability of the system. When stacking more than four KH2, always secure the base to a stable surface with chains, ropes or any other certified anchoring systems.
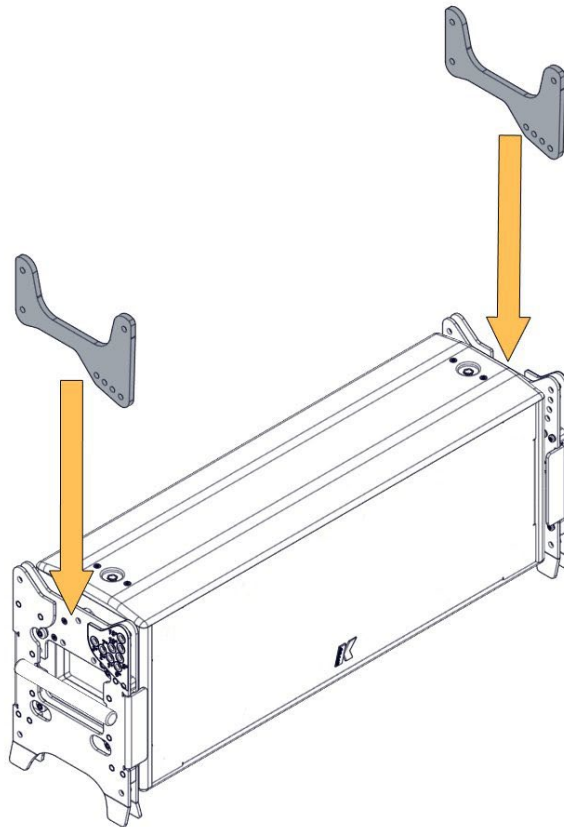
2. Insert the four 8x20 quick release pins supplied with the system to secure the unit to the base.
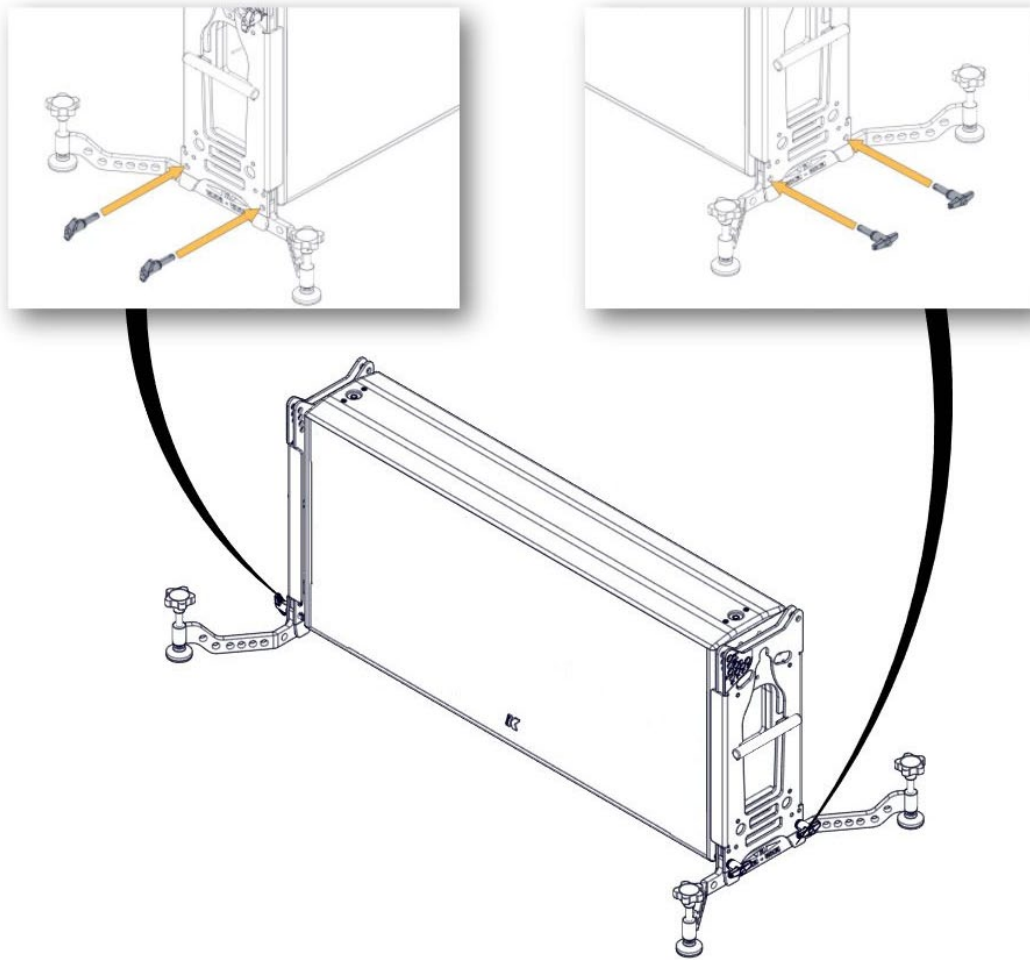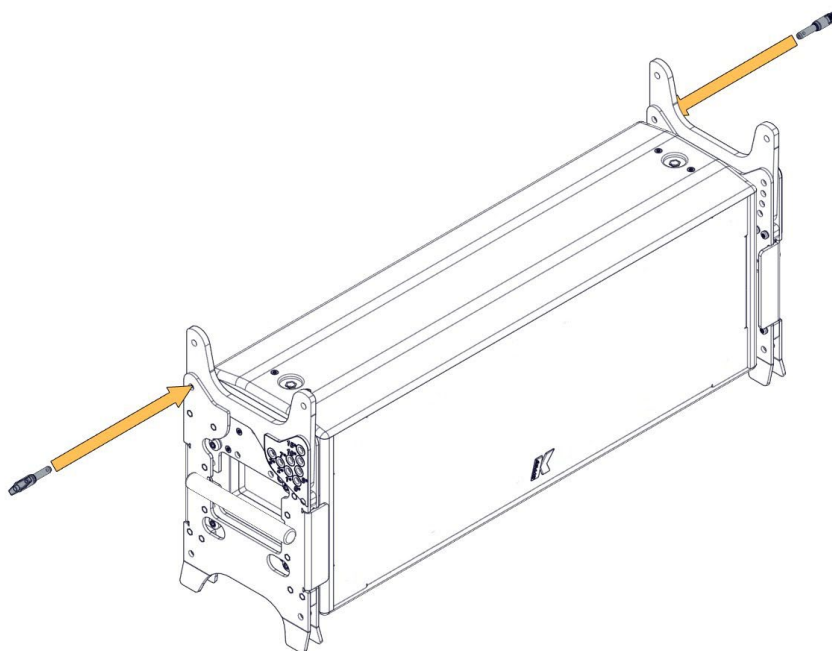

3 Level off the base so that the KH2 is in perfect vertical position.
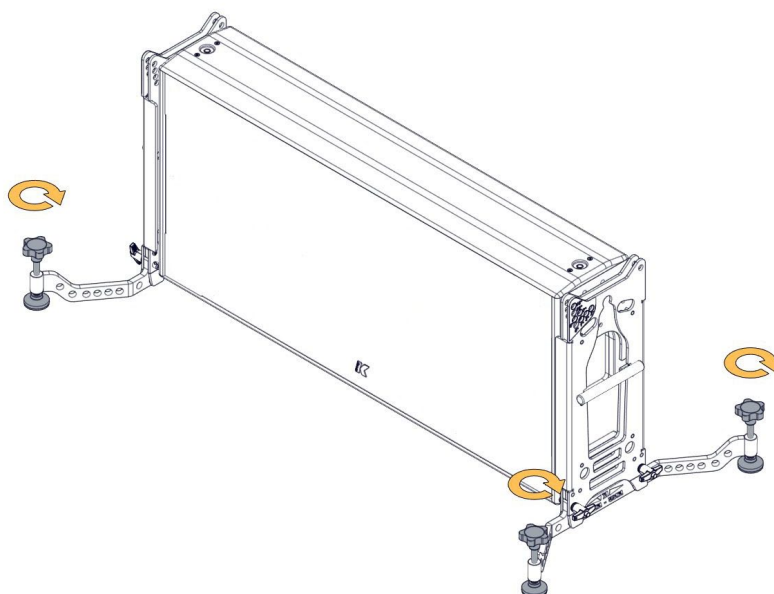
4. To connect another unit, insert the two plates supplied with the system as shown in the picture below (the base is not shown).
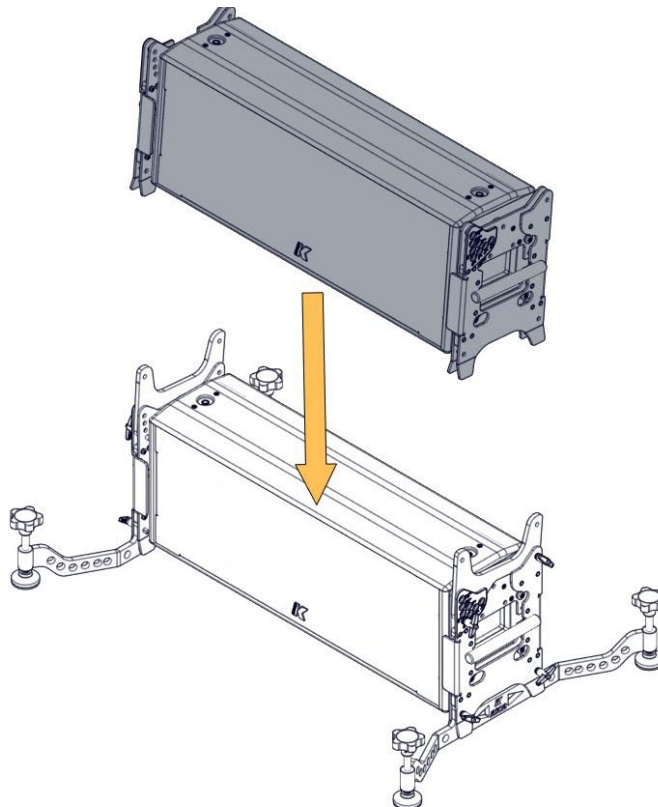
5. Plug the two 8x20 quick release pins supplied with the system in the rear holes to secure the plates to the KH2 enclosure.
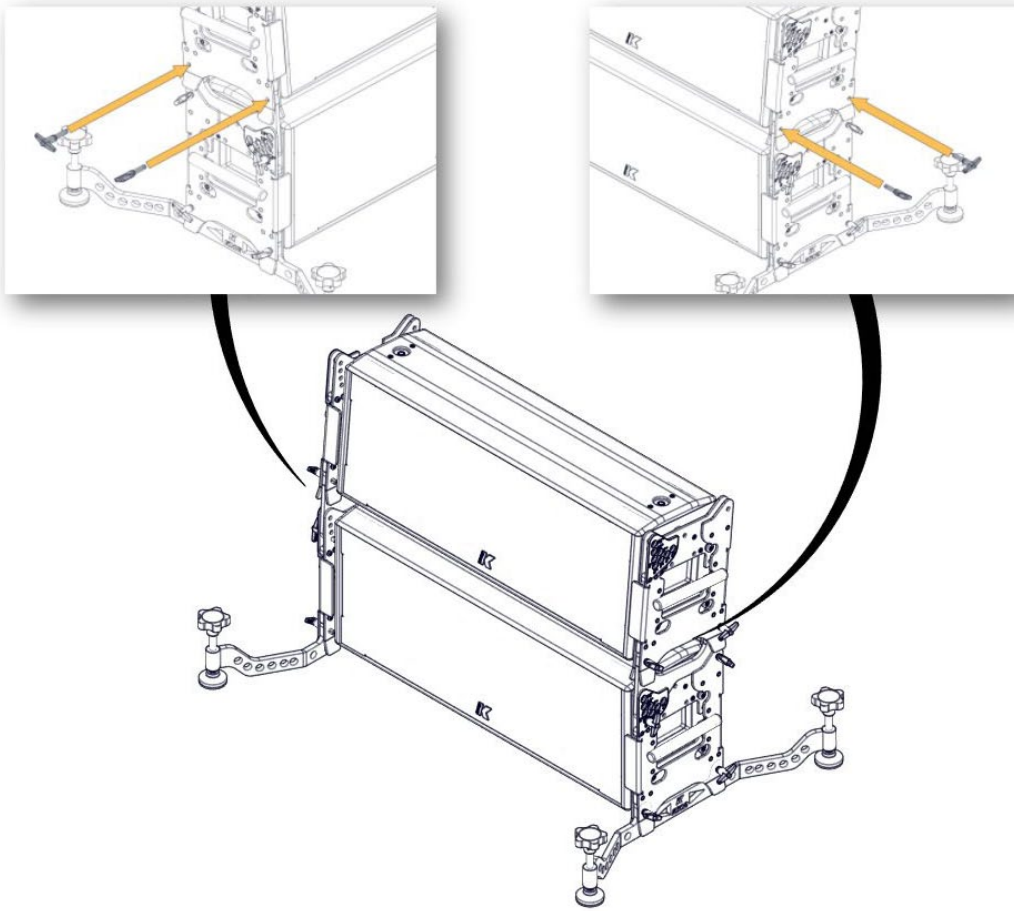
6. Insert two 8x20 quick release pins in the front holes corresponding to the angle you would like to maintain between the two units.
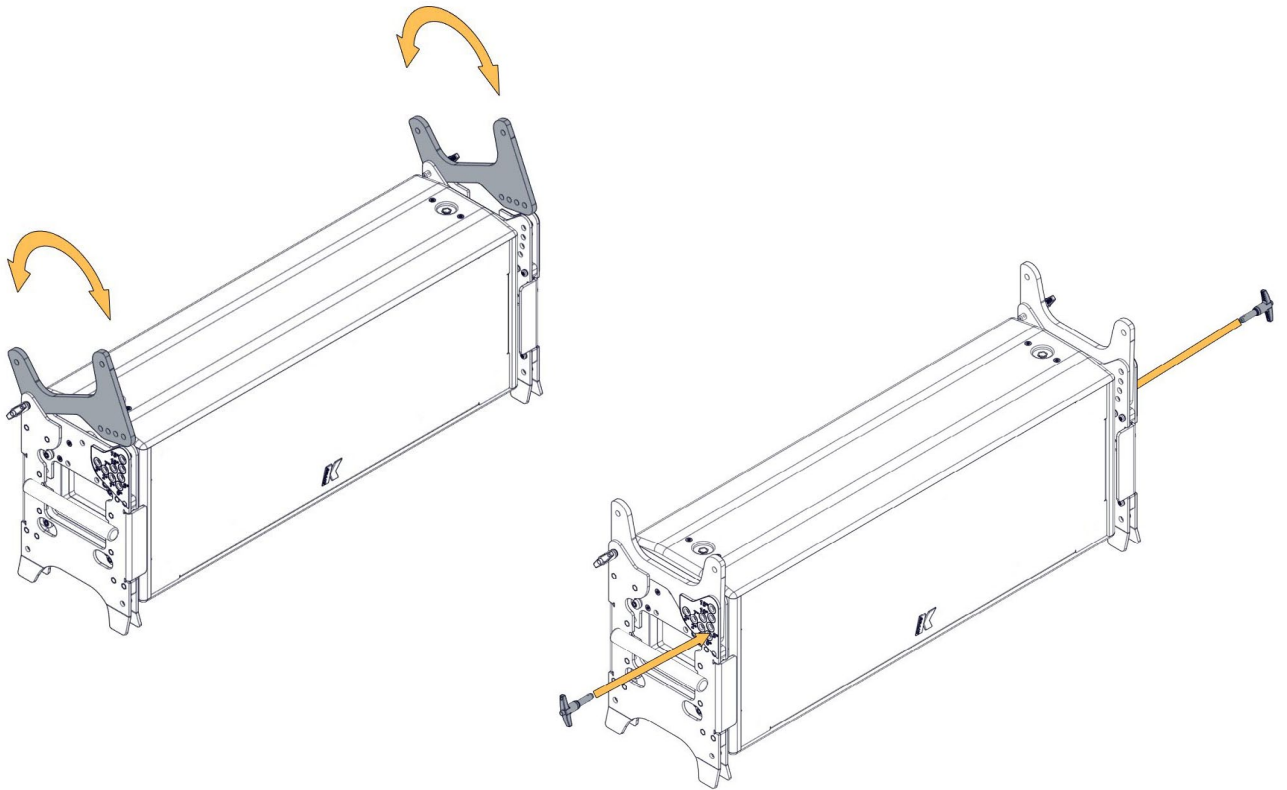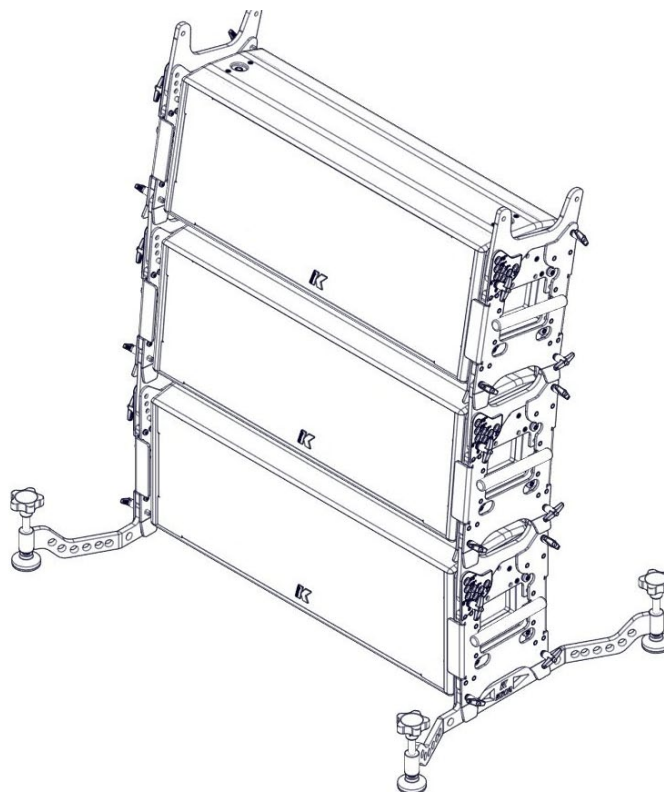

7. Insert the next unit.

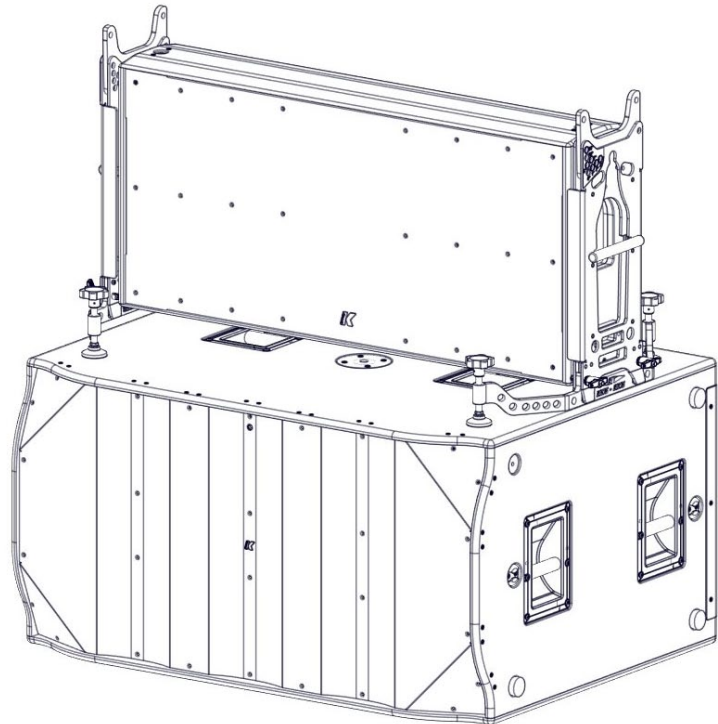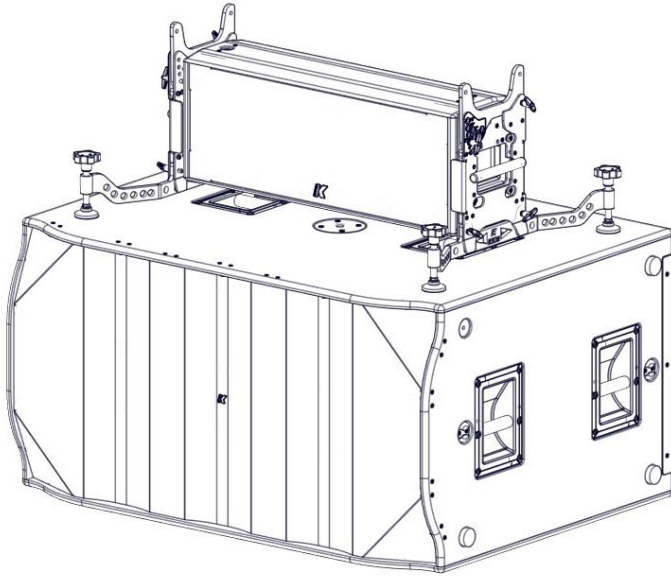8. Plug four 8x20 pins to secure the two units.

9. Repeat Steps 4 through 8 to connect the next units.

5.3 INSTALLING ON A KS5 SUBWOOFER

Both the K-HCBASE and the K-HCBASE2 can be installed on a KS5 subwoofer to create a compact powerful full range system.

Do not ground stack a cluster on uneven ground or platform. If the system is ground stacked on a structure, platform or stage always check that it can support the total weight of the system.

6. SERVICE

To obtain service:

1) Contact the official K-array distributor in your country. Your local distributor will direct you to the appropriate service center.

2) If you are calling for service, please have the serial number(s) of the unit(s) available for reference. Ask for Customer Service, and be prepared to describe the problem clearly and completely.

3) 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 unit. 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.