

K&F SPECTRA 212 Sub Adapter



User's Manual

EN | Translation of the original instructions

Version 2.0

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**Important Information,
Please Read Before Use!**

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1. Introduction

1.1 Icons Used



Warning

This icon indicates a risk of injury or death. Not following these instructions may result in serious health problems including potentially fatal injuries.



Caution

This icon indicates a possibly dangerous situation. Not following these instructions may cause minor injuries or damage.



Notice

This icon marks instructions for proper use of the described products. Not following these instructions may cause malfunctions or damage.



Tip

This icon marks information provided for simplified use of the described products.

1.2 About this Manual

© KLING & FREITAG GMBH, alle Rechte vorbehalten.

All specifications regarding the features of the described products and applicable safety guidelines provided in this manual are based on information available at the time of publishing.

We assume no responsibility for technical specifications, dimensions, weights, and properties.

All information in this manual is subject to change without notice.

To ensure safe operation, all persons using the speaker system must have access to these user's manual and all other relevant material during installation. Ohne dieses gelesen, verstanden und griffbereit vor Ort zu haben, darf das Lautsprechersystem weder aufgebaut noch eingesetzt werden.



Warning

All KLING & FREITAG manuals are originally authored in German.

KLING & FREITAG spare manuals are separately available for order or can be downloaded from our website: www.kling-freitag.de.

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2. Product Description

In combination with the specified KLING & FREITAG subwoofers, the K&F SPECTRA 212 Sub-Adapter provides a means for safely placing K&F SPECTRA 212 speakers.

- K&F SW 215E
- K&F SW 215E-SP
- K&F SW 118E
- K&F SW 118E-SP
- K&F NOMOS LS II
- K&F NOMOS LT
- K&F NOMOS XLS
- K&F NOMOS XLT
- K&F SEQUENZA 10B

2.1 Intended Use



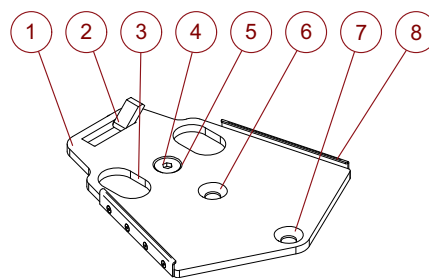
Warning

In combination with the specified KLING & FREITAG subwoofers, the K&F SPECTRA 212 Sub-Adapter provides a means for safely placing K&F SPECTRA 212 speakers. Using this Sub-Adapter adapter, you can mount up to three interconnected K&F SPECTRA 212 speakers

2.2 Items Included

- K&F SPECTRA 212 Sub-Adapter (1 item)
- User manual (1 item)
- M20 x 25 bolt (1 item)

2.3 Components



1. Adapter plate
2. Safety lever
3. Slot accommodating the speaker feet
4. M20 bolt
5. Speaker-alignment bore (0°–15°)
6. Speaker-alignment bore (15°–37.5°)
7. Speaker-alignment bore (37.5°–45°)
8. Support rail

3. Safety Instructions

3.1 General Safety Instructions



The information described here does not relieve the user of the duty to follow the given safety requirements and legal regulations.

The technicians responsible for installing the system on site are responsible for and guarantee safe setup and use.

To prevent injury and damage, be sure to securely place the speaker system as specified in the DGUV regulations 17 (BGV C1) or similar locally applicable accident-control standards.

Unless otherwise stated, use only KLING & FREITAG original parts for mounting the speakers. Never use other parts (in particular, parts not made by KLING & FREITAG).

Be sure to always visually inspect all accessories and loudspeakers before use. In fixed installations, regularly check all system components for signs of wear. Visual inspection includes checking the system components of the speakers as well as the mounting components. During the inspection, check all mounting components carefully for deformations, cracks, bolt damage, and corrosion. If there are signs of wear, cracks, or deformation, etc., replace the affected parts immediately. See also the 'Care and

3.2 Safety Instructions for Stacked Speakers



Tipping speakers impose a deadly risk for people standing near-by!

Be sure to follow the relevant national specifications, norms, and safety regulations.

Always make sure that the speakers are sufficiently secured, so they cannot fall over even when external forces affect the speaker stack. Before installation, carefully check whether there are any external factors that may cause the stack to fall over. These include, for example, the ground slope or bearing capacity, winds, and impacts of persons or vehicles. Qualified and appropriately trained installation personnel are in charge of evaluating the scenario and performing all required steps (including static analysis). Proof of stability must be obtained if and as necessary.

Stacked systems must not fall over even if they are inclined by 15° in any direction. If this requirement is not fulfilled, be sure to take appropriate steps. E.g. lashing the

Where the stability of installed systems cannot be proven without additional safety measures, those systems must be effectively secured against sliding and tipping to achieve compliance. For example, secure the system against tipping using water tanks or floor bolts. Other possible measures include lashing the speakers onto a suitable base or fastening them using straps.

With applications where winds may occur, for example, outdoor events, tradeshow, etc., be sure to perform extra stability checks.

Make sure that the feet of stacked subwoofers engage with the corresponding hollows of the lower speaker.

4. Mounting and Use Instructions

4.1 Configurations

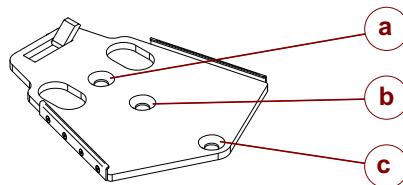
The K&F SPECTRA 212 Sub Adapter allows for securely mounting up to three K&F SPECTRA 212 speakers on a horizontally placed K&F subwoofer:

- K&F NOMOS LT
- K&F NOMOS XLT
- K&F SEQUENZA 10B
- K&F SW 212 E
- K&F SW 215 E SP

When placing the K&F subwoofer upright instead, you can mount one K&F SPECTRA 212 speaker on one of these K&F subwoofers:

- | | |
|-------------------|--------------------|
| • K&F SW 215E | • K&F NOMOS LT |
| • K&F SW 215E-SP | • K&F NOMOS XLS |
| • K&F SW 118E | • K&F NOMOS XLT |
| • K&F SW 118E-SP | • K&F SEQUENZA 10B |
| • K&F NOMOS LS II | |

The K&F SPECTRA 212 Sub Adapter has to be bolted onto the subwoofer. The adapter plate provides three bores for establishing the bolted connection.



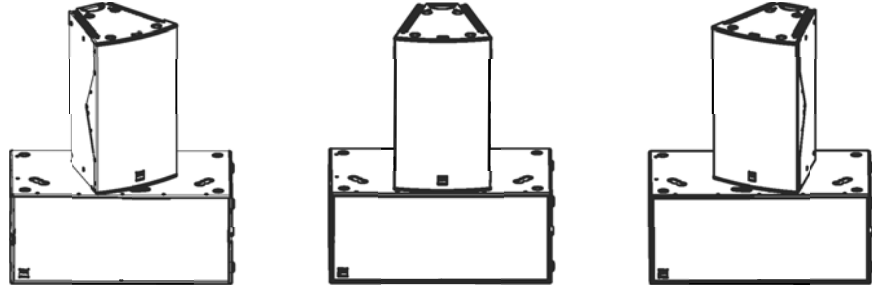
- **a:** Speaker-alignment bore (0°–15°)
- **a:** Speaker-alignment bore (15°–37,5°)
- **a:** Speaker-alignment bore (37,5°–45°)

With an array of 3 tops, connect the middle one to the K&F SPECTRA 212 Sub Adapter!

4.2 Sample Configurations

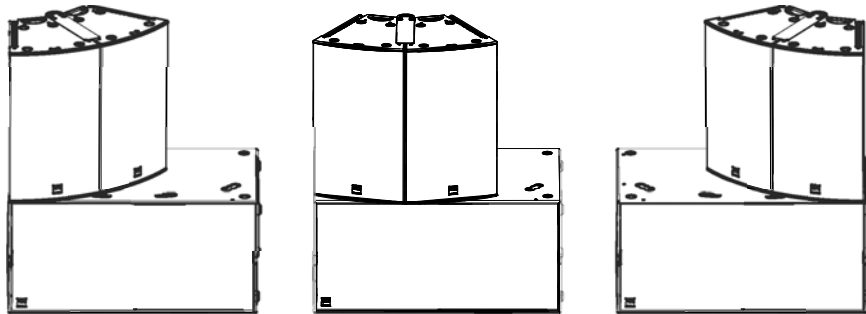
Example 1:

1 x K&F subwoofer, 1 x K&F SPECTRA 212 speaker:



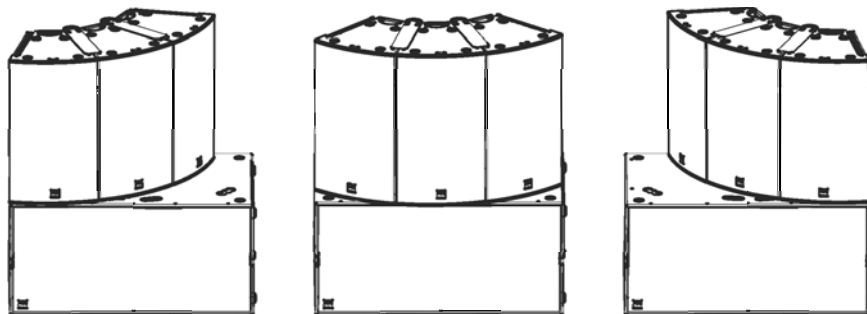
Example 2:

1 x K&F subwoofer, 2 x K&F SPECTRA 212 speaker:



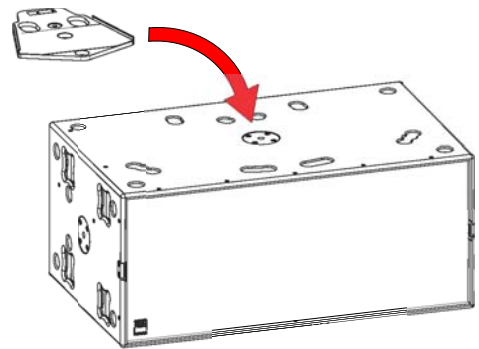
Example 3:

1 x K&F subwoofer, 3 x K&F SPECTRA 212 speaker:

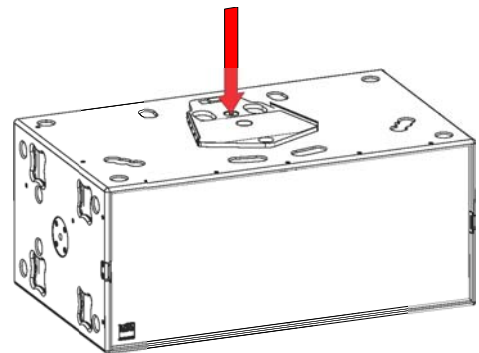


4.3 Installation

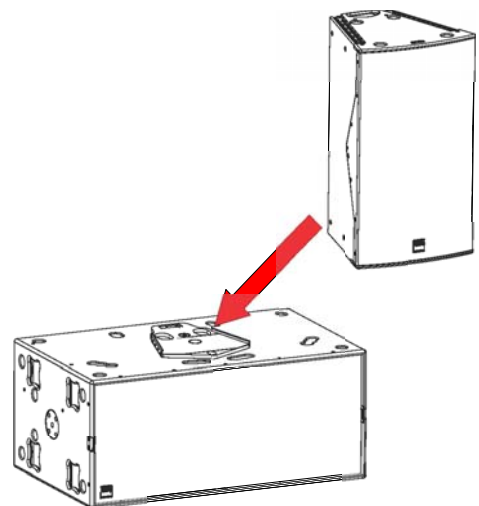
1. Place the K&F SPECTRA 212 Sub Adapter on the subwoofer and align it.



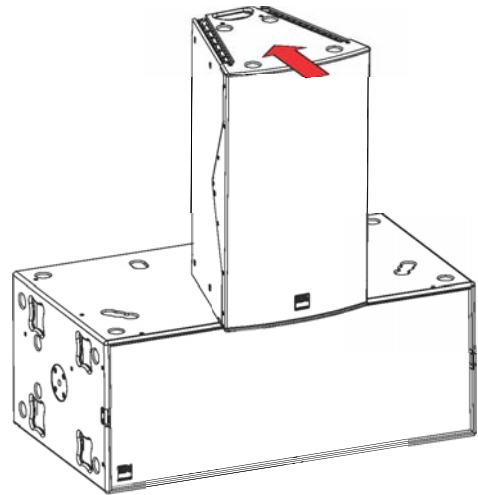
2. Tighten the M20 bolt using a suitable Allen key (wrench size: 20).



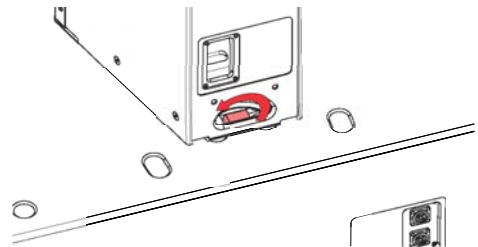
3. Place a single K&F SPECTRA 212. Make sure that the rear feet of the speaker slide into the K&F SPECTRA 212 Sub Adapter slots. This causes the support rails of the Sub Adapter to engage with the speaker's flybars.



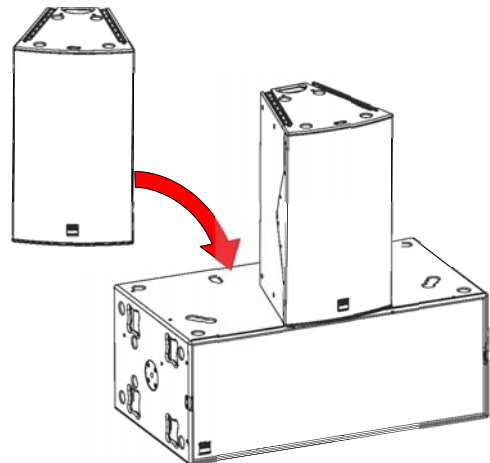
4. Push the speaker backwards until it stops.
Doing so will lock the speaker in place.



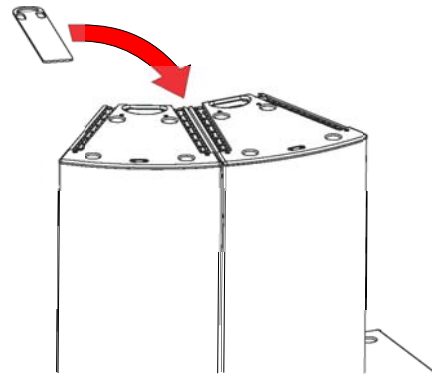
5. To secure the speakers in its position, reach through the lower speaker handle at the rear and throw the safety lever of the K&F SPECTRA 212 Sub Adapter.



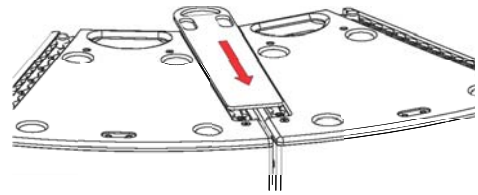
6. Next, you can mount another K&F SPECTRA 212 loudspeaker on each side of the first speaker if required.
To do so, place another speaker side by side to the mounted one.



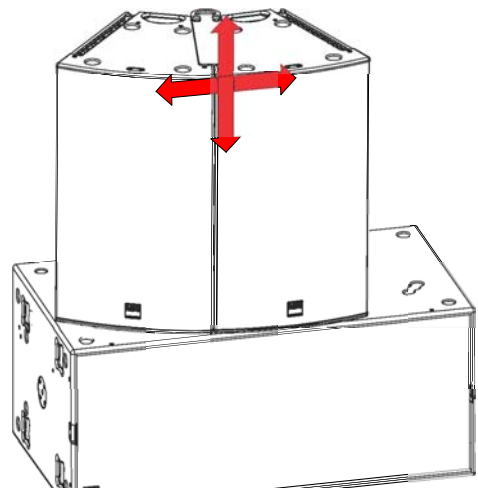
-
7. Attach a K&F SPECTRA 212 Connector.



-
8. Drücken Sie die K&F SPECTRA 212 Verbindungsschiene nach vorne, so dass sie durch die Federbolzen arretiert wird.



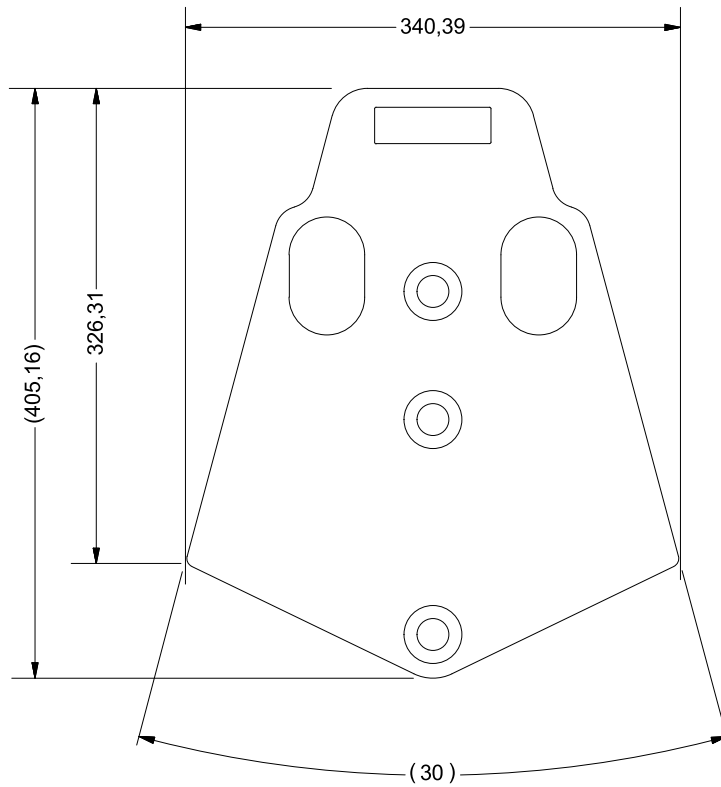
-
9. Check all speakers carefully for secure fit and stability.



You can now start wiring the speakers.

5. Dimensions and Weight

Permanent weight: 3,1 kg



6. Care and Maintenance



1. For the owner and user, it is mandatory to be aware that speaker accessories used to fly or mount the speakers are fundamentally safety-relevant.
Over time, the accessories may exhibit signs of wear, for example, from mechanical strain, transport damage, corrosion, or improper handling.
As a basic principle, you must visually inspect the speaker accessory before and after you use it. For fixed installations, you must inspect it for signs of wear at regular intervals.
When performing those checks, particularly look for deformations, cracks, dents, damage to threads, and corrosion. Also check slings and lifts (e.g. shackles, chains, and steel ropes) carefully for wear and deformation.
If as a result of these checks any uncertainty should arise with regard to safety or if specific faults are found, stop using the accessories and send in the product to
Inspection regulations may vary depending on application and country of use. Observe all applicable regulations; If in doubt, contact local authorities.
Many countries require regular inspection of mounting components and accessories. An additional annual inspection is typically required to be performed by a technical expert. Moreover, a legally certified or official authority must perform a detailed inspection every four years.
Therefore, be sure to maintain an inspection log. Enter the values determined for each speaker and accessory during the periodic checks into this log. This way, relevant data are always at hand in case of inspection. This inspection log book shall be updated with the inspection steps, test intervals and parts lists.
2. Clean this speaker accessory regularly using a corrosion-prevention penetrating oil (for example, WD-40).

7. Transportation and Storage

This product is protected against the effects of temporary humidity and moisture, etc. Nevertheless, be sure to store, transport, and use it in dry

Make sure that the system is adequately ventilated during longer storage periods so any residual moisture can escape from the equipment.

In addition, make sure that the product is protected from mechanical strains in order to prevent damage.

To protect the speaker from the above impacts, we recommend using suitable transport and storage equipment.

8. Disposal

Dispose of this product according to local ordinance regulations.

Ensure that the product cannot be re-used or used otherwise after disposal.

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