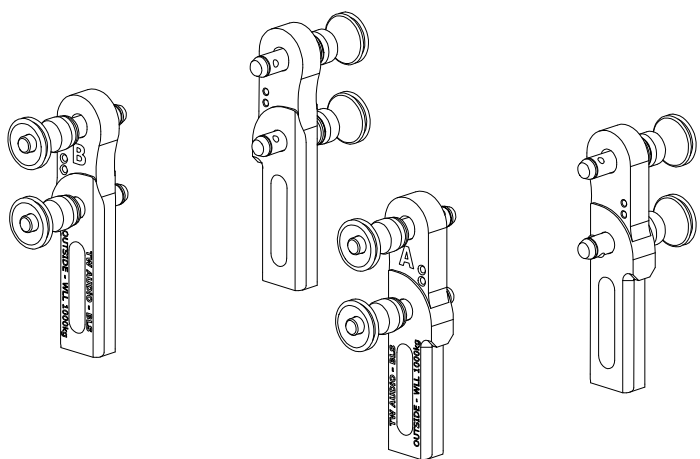


BLS

Assembly Instructions



Introduction

Thank you for choosing a high-quality product “MADE IN GERMANY” from the brand TWAUDIÖ.

The BLS Boxlink connector set is an accessory part for products of the VERA10, VERA20 and VERA36 series.

It is characterized by a subtle look, a remarkable size to weight ratio and ease of use.

If you lend your product to another party, inform that party of the safety-related operating procedures and hand over this assembly guide. If you require additional copies of this manual, you can obtain them free of charge from TWAUDIÖ or download them from www.twaudio.de

Instructions in this setup manual

Strictly adhere to the instructions contained in this operating manual that are marked as follows:



This symbol in combination with the signal word “Warning” identifies a potentially hazardous situation. Failure to comply with this safety instruction can lead to serious injury or even death.



This symbol in combination with the signal word “Caution” identifies a potentially hazardous situation. Failure to comply with this safety instruction can lead to light or moderate injury.



This symbol in combination with the signal word “Note” identifies a potentially hazardous situation. Failure to comply with this safety instruction can lead to product damage.



This symbol in combination with the signal word “Tip” identifies additional information or notes that will simplify working with TWAUDIÖ products on the basis of practical experience.

Notes on the products

**Read manual
before use!**

Before using the boxlink connector set, carefully read the assembly instructions and keep the instructions in a safe place together with the BLS boxlink connector set.

General Information

Assembly Guide: OM-BLS
Version 2.1 d, 03/2023
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All information contained in this operating manual was correct to the best of our knowledge at the time of printing.

Quality warranties or assurance of suitability for a certain type of use based on the technical specifications, dimensions and weights are not granted by TWAMBO.

TWAMBO also shall not assume liability for any secondary damage (property damage and/or personal injury) nor for the failure to comply with this operating manual!

TWAMBO reserves the right to update this document based on recent developments.

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1. Safety | Intended use

Please adhere to the following safety instructions to avoid risks when using accessories.

The BLS boxlink connector set was developed for use in professional sound systems. The outrigger may only be used by trained and qualified personnel.

Note the operating modes described in this assembly instructions. Other uses are not permissible.

Damage caused by improper use is not covered by TWAMBO.



Before each installation, check the integrity of the BLS boxlink connector set and ensure that all components are in perfect condition.

The scope of delivery includes specified quick-lock pins. Only use this quick-lock pins.



The BLS boxlink connector set must only be used with products of the VERA10, VERA20 and VERA36 series.

These assembly instructions describe how to use the BLS boxlink connector set. Any other use shall be deemed improper and may result in damage or even injury.

Modifications or alterations to individual parts of the BLS boxlink connector set are not permitted! Danger to life!



At each system setup, check that all quick-lock pins are always completely inserted! All quick-lock pins must always be used!



The BLS is an accessory designed both for indoor and outdoor use.



The BLS boxlink connector set may only be used by trained and qualified personnel. Personnel must check the BLS for its full suitability before each use.



When visible damage to any part of the BLS boxlink connector set is detected, it must be decommissioned immediately.



The payload of each boxlink (A und B) is designed of 0,5 to [1102lbs]. Do not exceed this payload!

2. Overview

2.1 Components

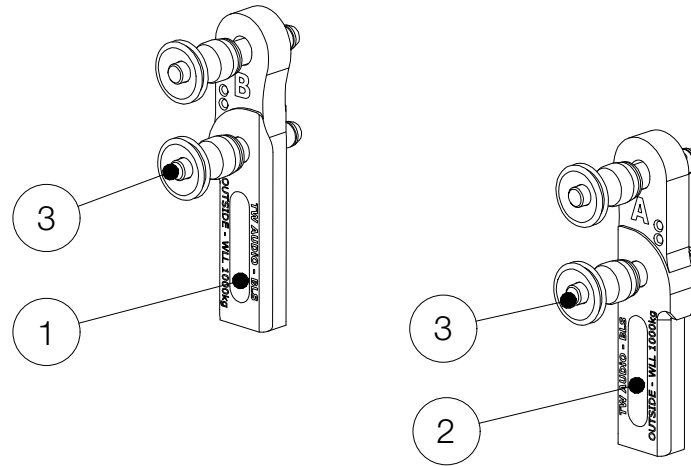


Figure 2.1 - Overview

1. 2x boxlink B - surface KTL-coated as well as colorless-powder-coated
2. 2x boxlink A - surface KTL-coated as well as colorless-powder-coated
3. Captive quick-lock pins

3. Technical specifications

3.1 Data sheet

maximum load capacity	per Boxlink: 0,5 to [1102lbs] (1 to WLL) [2204lbs]
Dimensions (h x w x d)	4x 102 x 26 x 52 mm [4,02 x 1,02 x 2,05 in]
Weight	Total: 0.85 kg [1,88lbs]
Surface	KTL-coated as well as colorless-powder-coated

4. Commissioning

4.1 Use of Boxlink connectors A and B

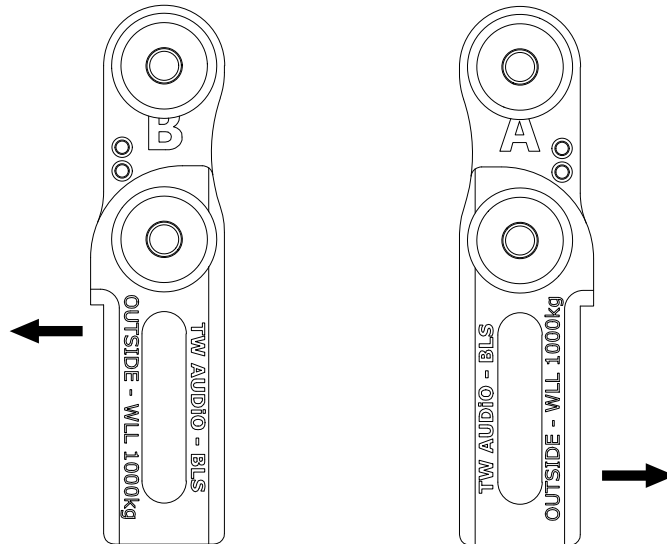


Figure 4.1.1 - boxlink connector B und A



Two locking pins are fastened to each of connectors A and B.

Fasten the boxlink connectors to the product series VERA10, VERA20 and VERA36 with both locking pins.



All boxlink connectors are provided with the notice: OUTSIDE (see figure 4.1.1).

Fit each Boxlink in such a way that the labeling of the loudspeaker points away (see figure 4.1.2).

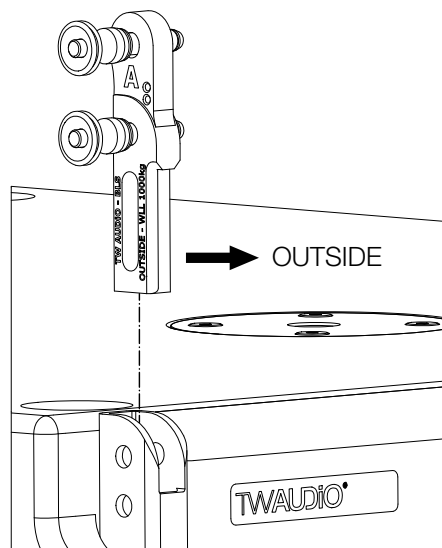


Figure 4.1.2 - Example: boxlink connector A

4.2 System setup with boxlink connector



Fasten the VERAS18 or VERA S33 loudspeakers front and rear to the associated flying frame by means of a BLS boxlink connector set.

Connect all loudspeakers to each other (front and rear) using the boxlink connector sets. Use all locking pins of the BLS boxlink connector sets.

Also heed chapter 4.1 “Use of boxlink connectors A and B” on page 9.

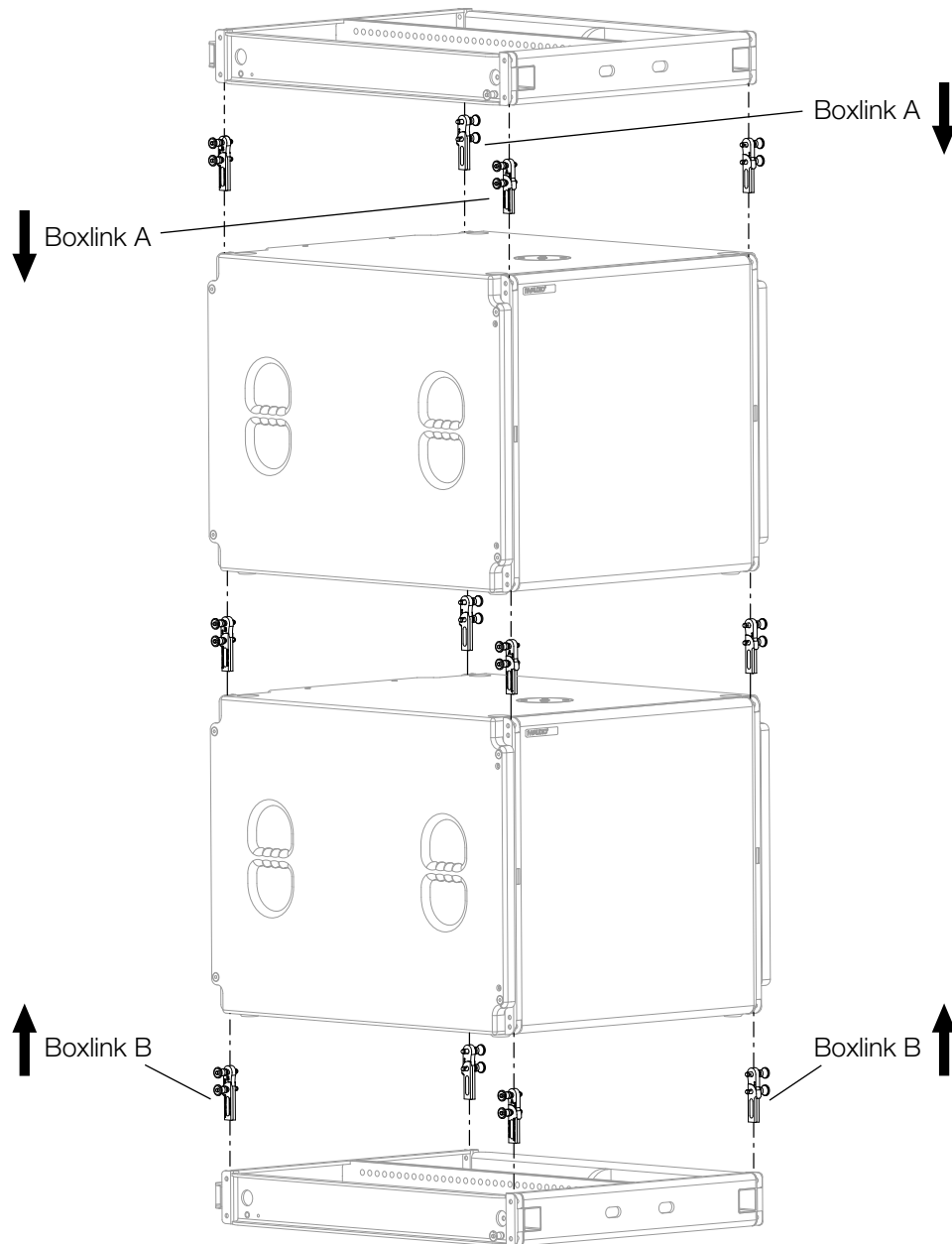


Figure 4.2 - Example system setup

4.3 System setup with curved loudspeakers



For a curved loudspeaker application, never fasten the respectively associated loudspeakers VERA10, VERA20 and VERA36 among the VERAS18, VERAS32 and VERA S33 loudspeakers.



Fasten the VERAS18 or VERA S33 loudspeakers front and rear by means of a BLS boxlink connector set to the associated flying frame. Connect all loudspeakers to each other (front and rear) using the boxlink connector sets. Use all locking pins of the BLS boxlink connector sets!



Fit the two rear boxlink connectors A and B as shown in figure 4.3.2 (page 12). This method of connection is the same as between loudspeakers and flying frame.



For a curved loudspeaker application, fit the two front Boxlink connectors A and B as shown in figure 4.3.3 on page 13. This method of fastening differs from figure 4.3.2.

They are given an angle of 2° between the loudspeakers.

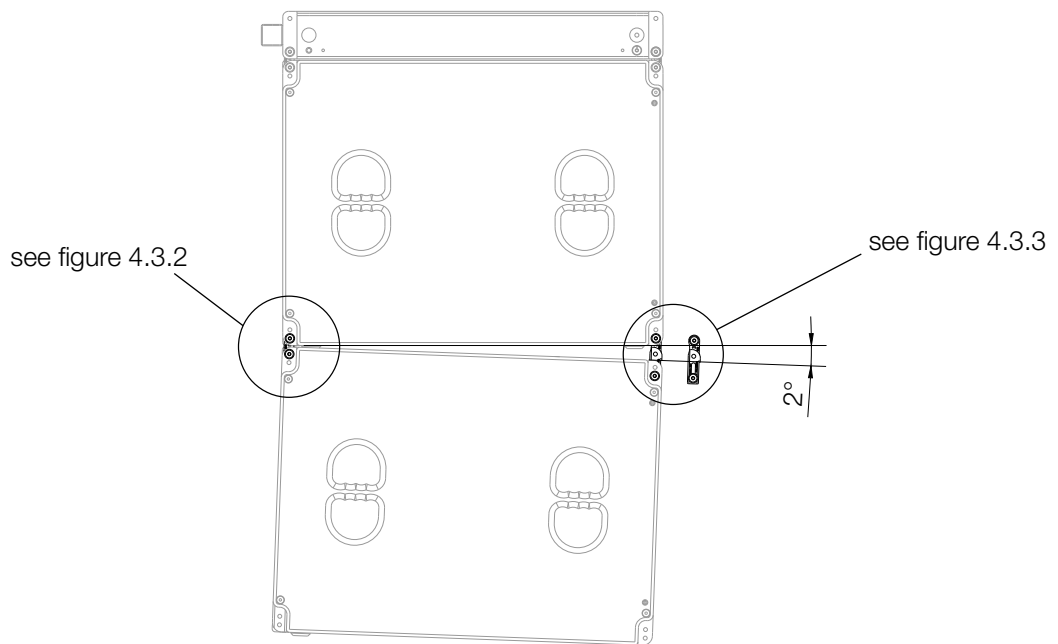


Figure 4.3.1 - Example of curved system setup

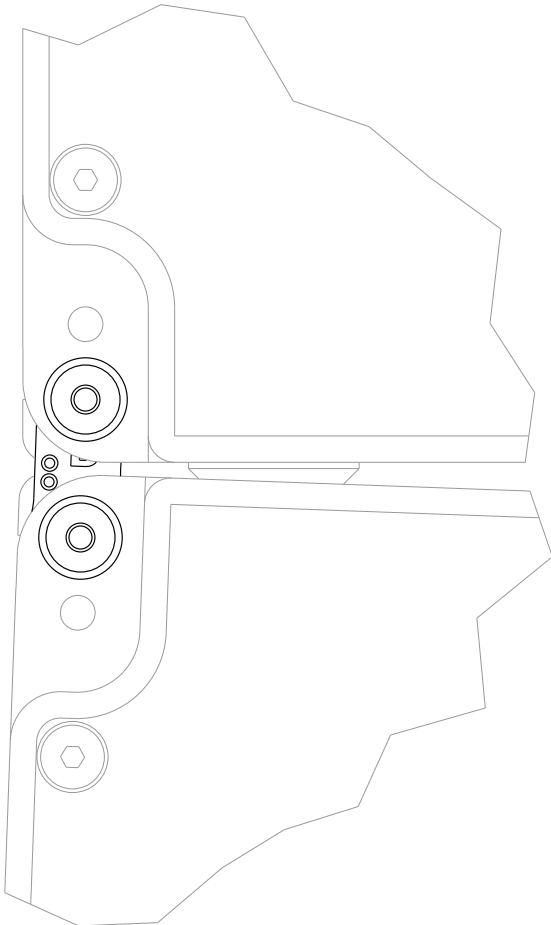


Figure 4.3.2 - Detail: Installation of the rear boxlink connector on the loudspeaker



1. Fit the first locking pin to the lowest hole of the loudspeaker rigging track.
2. Fasten the second locking pin to the second hole from the top (loudspeaker rigging track) as well as in the slot of the boxlink connector.

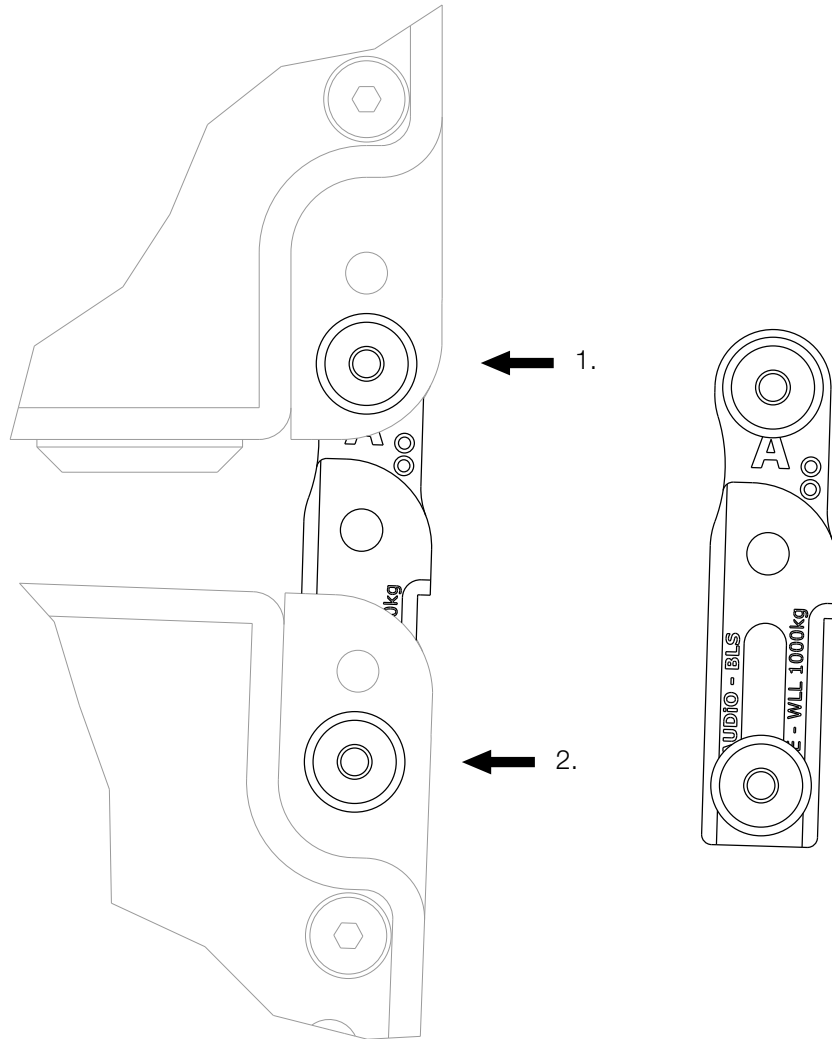


Figure 4.3.3 - Detail: Installation of the front boxlink connectors on the loudspeaker

5. Transport and Storage



Ensure that the surface of the boxlink connector set is not damaged during transport and storage. Moisture may penetrate where steel surfaces are exposed by scratches and result in corrosion.

This is why the product should be transported and stored in a safe, careful, dry and largely dust-free manner.

The original packaging is not suitable as permanent storage and transport packaging.

6. CE Declaration of Conformity

Copy and translation of the original CE Conformity Declaration:



We hereby declare that the below-referenced components by virtue of their design and construction, and in the configuration placed on the market by us, satisfy the safety and health requirements of the applicable EC directives. This declaration becomes invalid in case of modifications that have not been approved by us.

This declaration applies to the following components

- BLS

as well as all model variants based on these, provided that they correspond to the original factory models and have not been technically modified in any way.

Applicable directives:

- 2001/95/EG

Applicable national standards and technical specifications:

- DIN EN 18800
- DIN EN ISO 12100
- DGUV Vorschrift 17 und 18

Berlin, Germany, January 1st, 2021

A handwritten signature in black ink, appearing to read 'Wüstner'.

Bernhard Wüstner

7. Disposal

If you have any question regarding the disposal of used devices, please contact us under the following telephone number:

+49 (0) 71 41 - 48 89 89 0

In countries outside of the European Union, comply with local regulations.

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