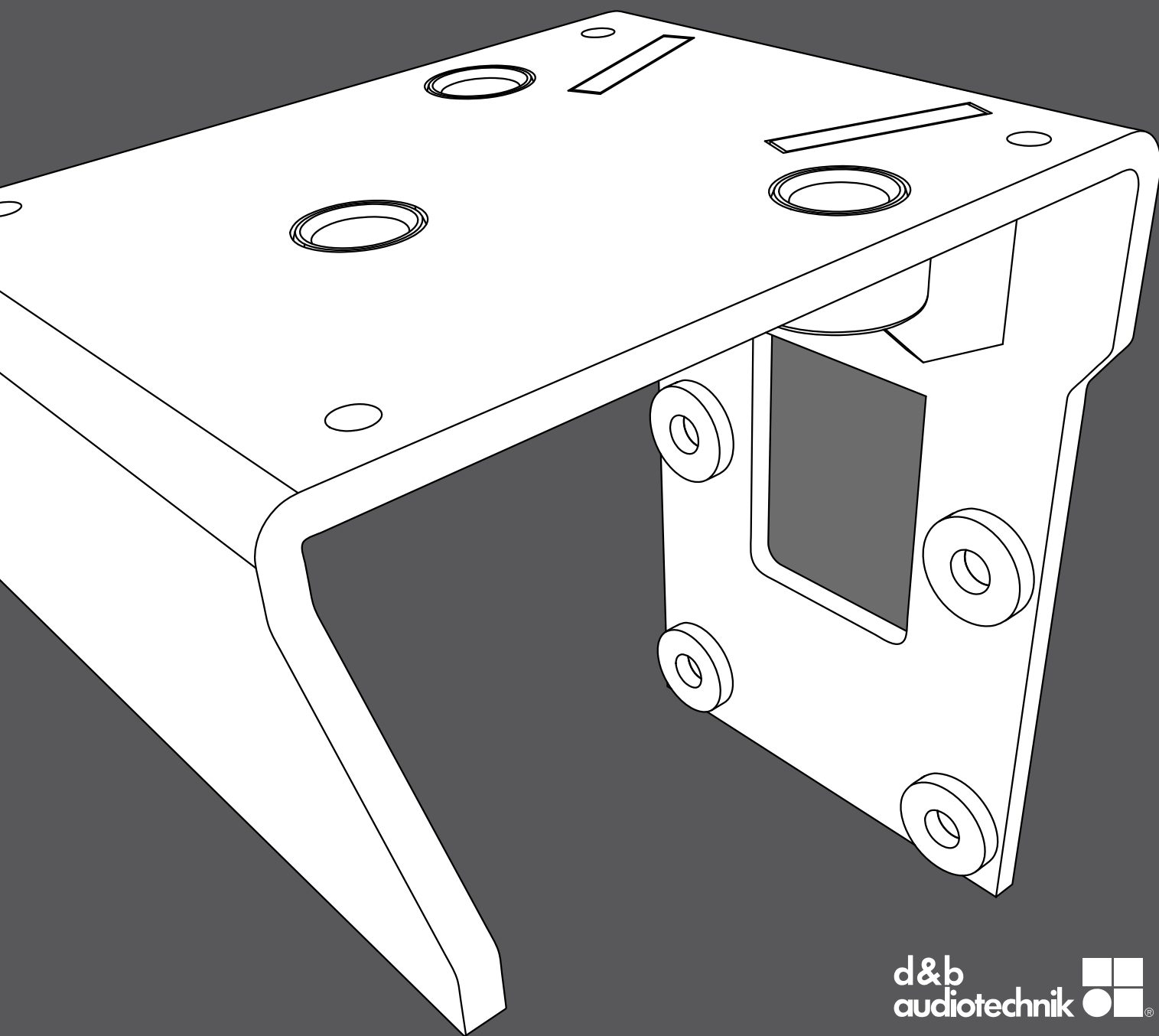


Z

Z5446 **Mounting instructions 1.2 en**



General information

Z5446 Mounting instructions

Version: 1.2 en, 06/2022, D2623.EN .01

Copyright © 2022 by d&b audiotechnik GmbH & Co. KG; all rights reserved.

Keep this document with the product or in a safe place so that it is available for future reference.

We recommend you to regularly check the d&b website for the latest version of this document.

When reselling this product, hand over this document to the new owner.

d&b audiotechnik GmbH & Co. KG
Eugen-Adolff-Str. 134, D-71522 Backnang, Germany
T +49-7191-9669-0, F +49-7191-95 00 00
docadmin@dbaudio.com, www.dbaudio.com

1 Z5446 Mounting adapter column..... 4

1.1 Intended use..... 4

1.2 Safety precautions..... 5

1.3 Scope of supply..... 6

2 Assembly..... 7

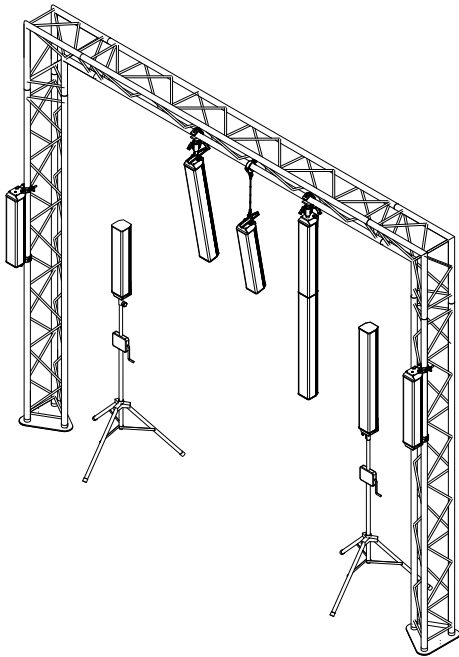
3 Vertical aiming using Z5354..... 8

4 Manufacturer's declarations..... 9

4.1 Conformity of rigging components..... 9

4.2 Disposal..... 9

1 Z5446 Mounting adapter column



1.1 Intended use

The d&b Z5446 Mounting adapter column must only be used in conjunction with applicable d&b column loudspeakers as described in these mounting instructions.

It can be combined with the following d&b rigging accessories:

- Z5034 High stand adapter M10 in conjunction with d&b 16C column loudspeakers.
- Z5029 TV Spigot M10 for the deployment of d&b 24C column loudspeakers on lightning stands.
- Z5029 TV Spigot M10 with Z5012 Pipe clamp for attachment to overhead bars or truss. The cabinet is aligned vertically.
- Z5354 Flying adapter with Z5015 TV spigot and Z5012 Pipe clamp for attachment to overhead bars or truss. The vertical aiming of the cabinet can be adjusted.
- Z5354 Flying adapter with E6507 1t shackle for attachment to overhead bars or truss using steel wire ropes. The vertical aiming of the cabinet can be adjusted.
- The adapter enables the attachment of a half coupler. Using two adapters with half couplers, one at the top and one at the bottom of the cabinet, allows the cabinet to be vertically attached to bars or truss.

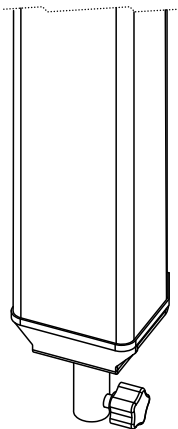


Fig. 1:
Z5446 with
Z5034 High
stand adapter
M10

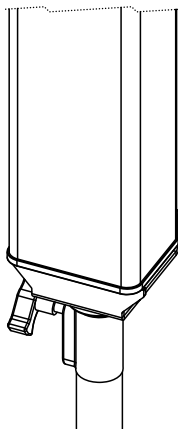


Fig. 2:
Z5446 with
Z5029 TV spigot
M10

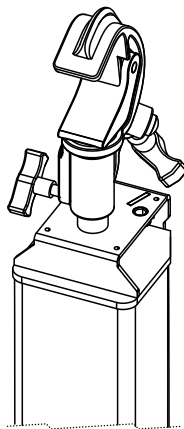


Fig. 3:
Z5446 with
Z5029 TV Spigot
M10 and Z5012
Pipe clamp

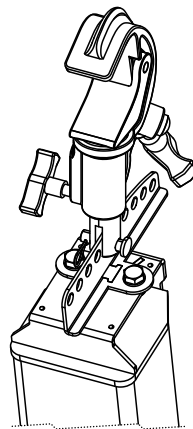


Fig. 4:
Z5446 with
Z5354 Flying
adapter and
Z5015 TV Spigot
and Z5012 Pipe
clamp

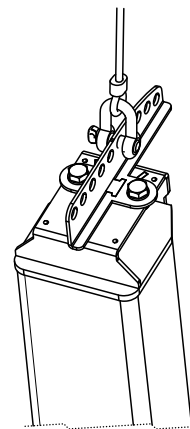


Fig. 5:
Z5446 with
Z5354 Flying
adapter and
E6501 1t shackle

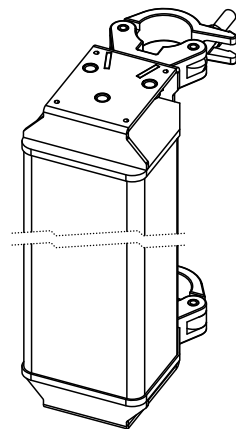
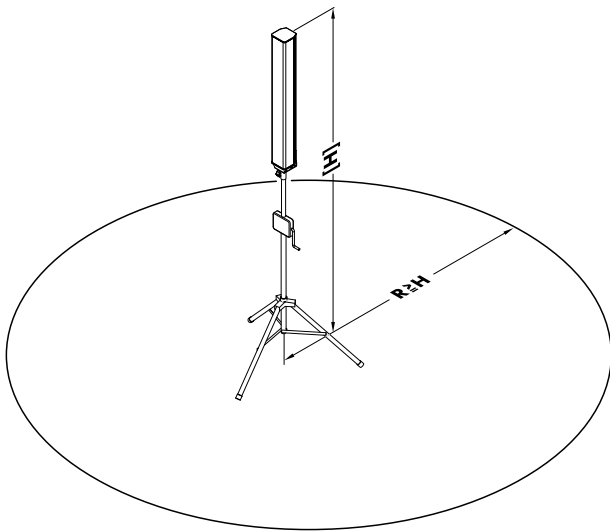


Fig. 6:
Z5446 with half
coupler

Note: Refer to the specific mounting instructions for assembly and operation of these accessories.



1.2 Safety precautions

General safety

- Installation and setup should only be carried out by qualified and authorized personnel observing the valid national Rules for the Prevention of Accidents (RPA).
- It is the responsibility of the person installing the assembly to ensure that the suspension/fixing points are suitable for the intended use.
- Always carry out a visual and functional inspection of the items before use. In case there is any doubt as to the proper functioning and safety of the items, these must be withdrawn from use immediately.

Load safety information

The maximum permitted working load of the Z5446 Mounting adapter column is 16 kg (35 lb).

High stand assembly



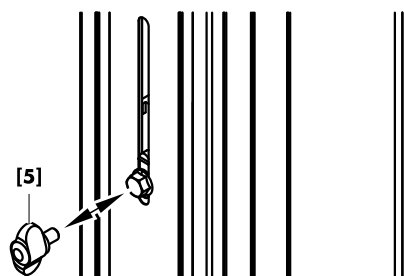
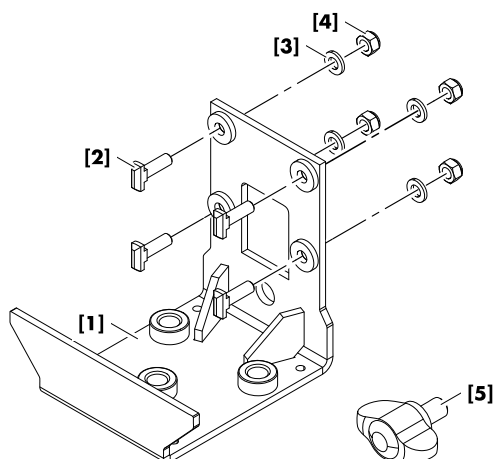
CAUTION!

Possible risk of personal injury and/or damage to material!

When deploying d&b column loudspeakers onto a high stand, it is the responsibility of the person setting up the assembly to prevent the overall assembly from tipping over.

This is particularly important when the high stand is largely extended.

- Ensure that the assembly is horizontally aligned without any inclination.
- Observe the overall height [**H**] of the assembly (leverage effect) and provide a sufficient safety area around the assembly (rule of thumb: $R \geq H$).
- In case you have any doubt as to the stable setup of the assembly, weight the legs of the high stand with additional ballast.



1.3 Scope of supply

Please verify the shipment for completeness and proper condition of the items.

Qty.	d&b Code	Description
1	Z5446	Mounting adapter column [1]
Including:		
4		T-slot screw M6 x 20 [2]
4		U-washer 6.4 [3]
4		Self-securing nut M6 [4]
1		Mini wing screw M6 x 10 [5] *
1	D2623.EN .01	Z5446 Mounting instructions

* Using the mini wing screw - item [5]

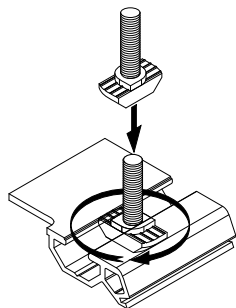
The additional mini wing screw is intended as a replacement for the HF beam hex head set screw on 24C cabinets. It allows the adjustment of the HF horn array without the need for any tools.

To replace the hex head screw, proceed as follows:

Tools required: 10 mm (1/4") wrench/spanner

1. At the rear of the 24C cabinet, slacken and undo the M6 hex head screw.
2. Insert the mini wing screw.
3. Carefully hand-tighten the mini wing screw.

2 Assembly



Tools required

- Torque wrench/spanner size #10 mm

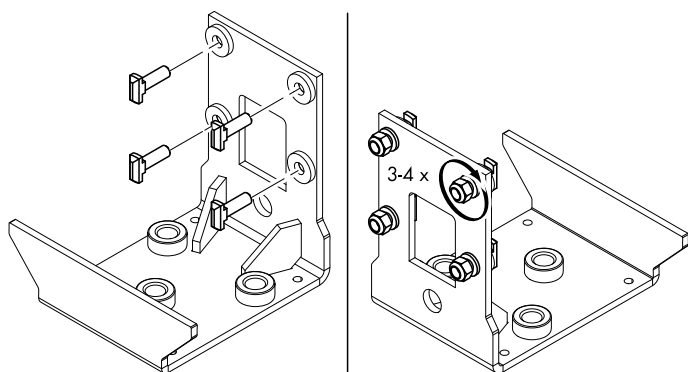
T-slot screw principle

The T-slot screw is a specially shaped bolt which allows easy fitting.

It is simply inserted into the T-slot profile and turned through 90° for final positioning.

Preparing the adapter

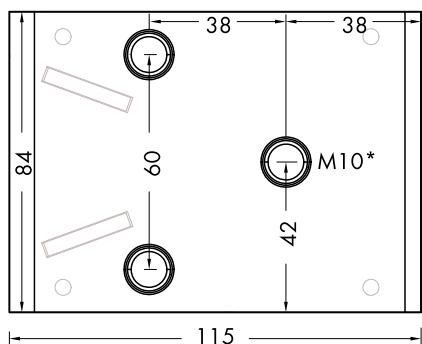
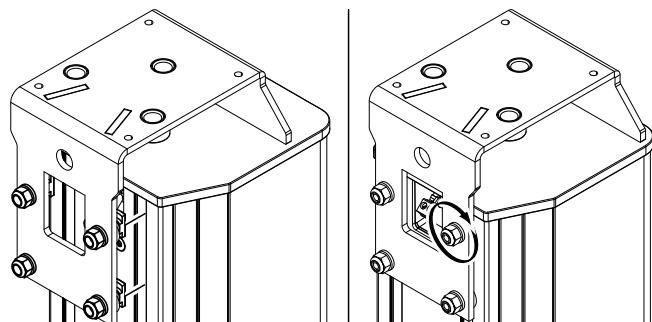
1. Insert all T-slot nuts **[2]** into the mounting plate of the adapter.
2. Fit the U-washers **[3]** and the self-securing nuts **[4]** to the screws and turn the nuts three to four times.



Attaching the adapter to the cabinet

Depending on the application, the adapter is attached either to the top or to the bottom of the cabinet.

1. At rear of the cabinet, insert the T-slot screws into the T-slot profile of the cabinet.
2. Turn the first screw through 90° to fix it in place.
3. Tighten the nut to a maximum torque of 10 N·m.
4. To fix the remaining nuts, proceed in the same manner.



* Maximum screw length: 30 mm

M10 threaded inserts

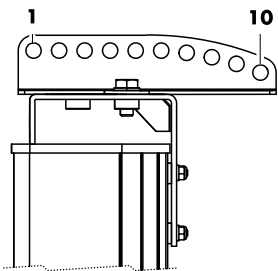
Three threaded inserts M10 are provided to allow the attachment of additional accessories as shown in ⇒ Chapter 1.1 "Intended use" on page 4.

3 Vertical aiming using Z5354

The adapter is equipped with ten locating holes (12 mm). The vertical aiming of the loudspeaker depends on which of the adapter's holes is used. The vertical angle is related to the center of gravity of the cabinet. The corresponding angles in degree (°) are listed in the table below.

Note: Positive value: Cabinet points upwards. Negative value: Cabinet points downwards.

Assembly



Hole grid	1	2	3	4	5	6	7	8	9	10
16C	+6	+3	0	-1.5	-4.5	-7.5	-10.5	-13.5	-17.5	-20.5
24C	+5	+2.5	0	-1	-3.5	-6	-8.5	-11	-13.5	-16
24C/24C-E	+3	+1.5	0	-1	-2.5	-4	-5.5	-7	-8.5	-10

4.1 Conformity of rigging components

This declaration applies to:

- d&b Z5446 Mounting adapter column

by d&b audiotechnik GmbH & Co. KG.

All product variants are included, provided they correspond to the original technical version and have not been subject to any later design or electromechanical modifications.

We herewith declare that said products are in conformity with the provisions of the respective directives including all applicable amendments.

Detailed and applicable declarations are available on request and can be ordered from d&b or downloaded from the d&b website at www.dbaudio.com.

4.2 Disposal

When out of use the rigging components must be disposed of in accordance with the national environmental regulations.

Ensure that damaged rigging components are disposed of in a way that they cannot be used again.

