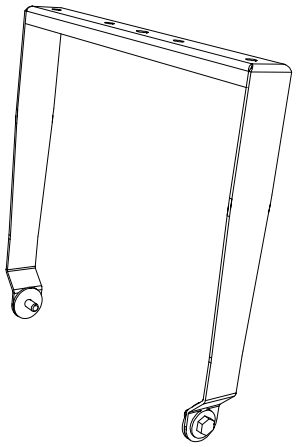
TWAUDIO®

SBM12i

Assembly Instructions



Introduction

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

The swivel bracket SBM12i is an accessory for the M12i loudspeaker.

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 TW AUDiO or download them from www.twaudio.de

Instructions in this user 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 TW AUDiO products on the basis of practical experience.

Notes on the products

Read manual before use!

Before using the device, carefully read the assembly instructions and keep it with the SBM12i swivel bracket.

General information

Assembly instructions: OM-SBM12i
Version 2.1 en, 08/2023
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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 TW AUDiO.

TW AUDiO 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!

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

TW AUDiO INTERNATIONAL GmbH
Osterholzallee 140-2
71636 Ludwigsburg (Germany)

Phone : + 49 (0) 71 41-48 89 89 0
Fax: + 49 (0) 71 41-48 89 89 99
E-Mail: info@twaudio.de
WWW: www.twaudio.de

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1. Safety | Intended use

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

The SBM12i swivel bracket was developed for use in professional sound systems. The swivel bracket 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 TW AUDiO.

Before every operation, check the scope of delivery of the SBM12i swivel bracket for its completeness and ensure that all parts are in perfect condition.

The scope of delivery includes specified components. Only use the recommended and certified components.

The SBM12i swivel bracket may only used with the M12i loudspeaker.

This rigging manual describes how to use the SBM12i swivel bracket correctly. Any other use shall be deemed improper and may result in damage or even injury.

Modifications or alterations to individual parts of the SBM12i swivel bracket are not permitted! Danger to life!

The SBM12i swivel bracket is designed both for indoor and outdoor use.

The SBM12i swivel bracket may only be used by trained and qualified personnel. Personnel must check the SBM12i swivel bracket for suitability before each use.

The SBM12i swivel bracket must be taken out of operation immediately as soon as visible damage to the parts can be seen.

Please keep all elements of the SBM12i swivel bracket away from children! The small parts can easily be swallowed and lead to suffocation!

The payload of the SBM12i swivel bracket is designed of one M12i loudspeaker. Do not exceed this payload.

Before mounting the SBM12i swivel bracket check that e.g. ceilings are capable to carrying the payload of the components.

Make sure that no water pipes, electrical lines or any other lines are behind the intended place of mounting.

Only use wall plugs and screws which are suitable for the intended mounting and structural fabric. All screws must be set and tightened properly. Ensure that the fixing holes have the correct depth and diameter. Always use all fixing holes.

When moving (assembling, dismantling, maintaining) the SBM12i swivel bracket with M12i loudspeaker, ensure sufficient space to prevent collisions with other objects.

Do not squeeze or twist the electrical cables of the M12i loudspeaker during the installation of the SBM12i swivel bracket! The respective national electrotechnical rules and regulations are applicable.

All screw connections should be checked each time the SBM12i swivel bracket are installed. Tighten all loose screws. If this is no longer possible, the screws must be replaced.

2. Overview

2.1 Components

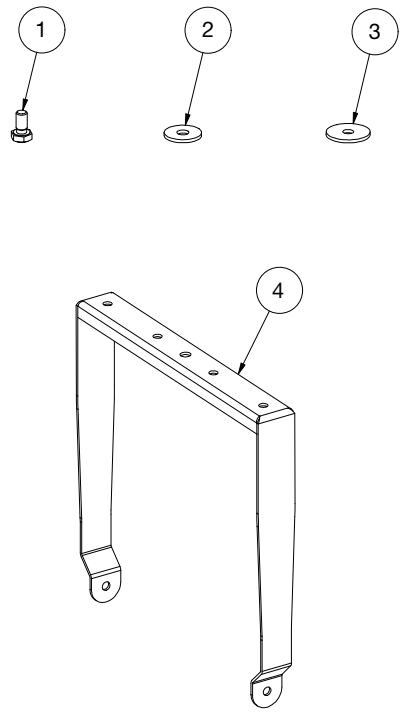

Figure 2.1 - Overview

1. Hexagon screw M10 x 20..... 2 pieces
2. Washer (metal)..... 2 pieces
3. Rubber break washer ..... 2 pieces
4. Swivel bracket SBM12i..... 1 piece

3. Technical data

3.1 Data sheet

Maximum load capacity	1x M12i
Dimensions (h x w x d)	374 x 378 x 50 mm [14.72 x 14.88 x 1,97 in]
Weight	1,6 kg [3.53 lbs]
Surface	Powder-coated

4. Commissioning

4.1 Setup

The SBM12i swivel bracket is designed for hanging operation. TW AUDiO provides a wide range of accessories to securely attach the swivel bracket.

Please note that setting up the system structures always requires two persons!

TW AUDiO recommends using only the accessories specified by TW AUDiO for securing and mounting loudspeakers.

4.2 Preparation M12i loudspeaker

Please note that when the M12i loudspeaker is delivered, a countersunk screw is included in all M10 threads because of production reasons.

Before installing the swivel bracket, remove the countersunk screws from the M10 threads that are required.

To do this, follow these steps:

1. Carefully carve the textured paint with a cutter knife on the edge of the countersunk screws. Be careful not to damage the remaining textured paint on the loudspeaker.

2. Then remove the countersunk screws using the torque wrench and the Torx TX50 bit insert.

4.3 Needed tools for setup

Have the following tools ready for each setup:

- Cutter knife
- Torque wrench
- Bit inserts for torque wrench: TX30 and TX50
- Open-end wrench SW17

4.4 Wind load

Before setting up the system outdoors, consider unexpected wind conditions at the operation site!

Disassemble your system immediately when wind speeds exceed 8 bft (34 to 40 kn / 62 to 74 kph / 38.5 to 46 mph) and secure the system components!

Make sure that there are no persons in the immediate vicinity of the system structure!

Make sure that the system structures are not operated over the audience at wind speeds in excess of 6 bft (22 to 27 kn / 39 to 49 kph / 24.2 to 30.45 mph) and that there are no persons in the immediate vicinity of the system structure!

4.5 Assembly SBM12i to loudspeaker

NOTE

Mount positions 1 to 3 (see figure 2.1) on both sides as shown in figure 4.5.

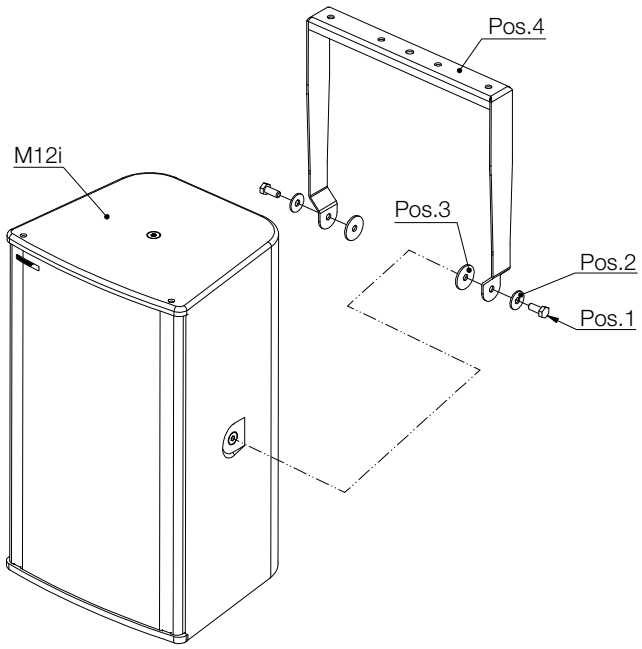

Figure 4.5 - Assembly SBM12i to M12i loudspeaker

4.6 Assembly SBM12i swivel bracket to ceiling

WARNING

Attach the SBM12i swivel bracket to the ceiling by using all three holes located on the cross-bar. Make sure that you use suitable fastening material and that the connections are set firmly and correctly!

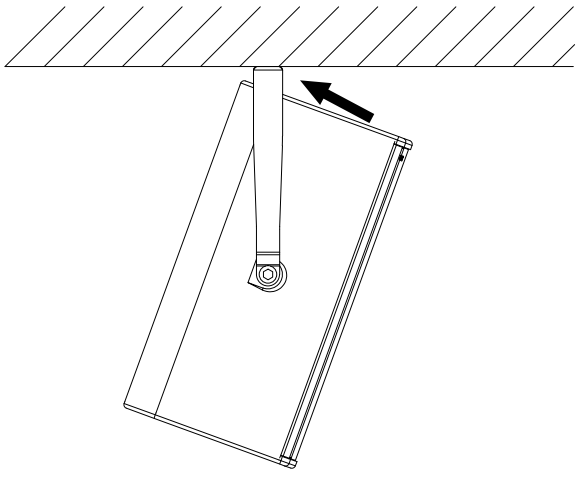

Figure 4.6 - Assembly SBM12i with M12i to ceiling

5. Transport and storage

When transporting and storing the unit, it is important to ensure that the surface of the swivel bracket are not damaged. Moisture can penetrate where steel surfaces are exposed by scratches and result in corrosion.

In addition, appreciable dust deposits may considerably impair the functionality of a loudspeaker membrane. For this reason, the loudspeakers should be transported and stored in a safe, careful, dry and largely dust-free manner.

The following accessory parts for the swivel bracket are available from TW AUDiO:

- Hexagon screw M10 x 20
- Washer (metal)
- Rubber break washer

The original packaging is unsuitable as permanent storage and transport packaging.

6. CE Conformity Declaration

Copy and translation of the original CE Conformity Declaration:

CE

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

• SBM12i

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

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.

TW AUDiO INTERNATIONAL GmbH
Osterholzallee 140-2
71636 Ludwigsburg (Germany)

Phone: + 49 (0) 71 41-48 89 89 0
Fax: + 49 (0) 71 41-48 89 89 99
E-Mail: info@twaudio.de
WWW: www.twaudio.de