



BOSE SMSTK ShowMatch DeltaQ Array Loudspeaker User Guide

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BOSE SMSTK ShowMatch DeltaQ Array Loudspeaker



Accessory: SMSTK

The ShowMatch DeltaQ Array Loudspeaker Sub-Module Transition Kit Accessory: SMSTK is designed to be used only with the array configurations specified in the installation guide. The accessory includes two bracket assemblies, and each assembly weighs 1.6 kg (3.6 lbs). The kit has a working load limit of 110 kg (250 lbs) and must use TWO bracket assemblies per array configuration, one on each side of the array.

Installation Instructions

Before installing the sub-module transition kit, ensure you have the correct position (short or long) for transition brackets based on the desired array configuration. Follow the steps below for installation:

1. Assemble a stack of three bars as shown in Figure 3 (for short brackets) or Figure 4 (for long brackets). Each assembly includes one bar with a label, and two bars without a label. Assemble bars with label visible (facing outward). Repeat to create two assemblies.
2. Attach nuts and bolts on both brackets in locations shown in Figures 3 and 4. Tighten to 9 N-m (80 in-lbs).
3. Attach ShowMatch SM118 subwoofer module to hanging ShowMatch Array Frame (SMAF).
4. Attach front two connection points of the first full-range module to the front two connection points of the subwoofer module, using included quick pins. Do not attach rear connection point of the full-range module.
5. Attach remaining full-range modules to complete the array, using front and back connection points.
6. Attach ShowMatch Array Pullback Bracket (SMPULL) to the bottom module of the array.
7. Attach one transition bracket to each side of the pullback bracket using provided nuts and bolts. Tighten to 9

N-m (80 in-lbs).

8. Using handles on the rear of full-range modules, lift the array into position until transition brackets reach the bottom, rear connection points of the subwoofer module.

Safety Information

Refer to the installation guide available at pro.Bose.com for additional information on ShowMatch DeltaQ Array loudspeaker modules and accessories. The product is covered by a limited warranty, details of which are available at pro.Bose.com. For importer and contact information, refer to the user manual.

Safety Information

CAUTION: This product is intended for installation by professional installers only!

- Make no modification to the system or accessories. Unauthorized alterations may compromise safety, regulatory compliance, and system performance.
- This accessory is intended for use with Bose ShowMatch DeltaQ Array loudspeakers only.

Additional Information

For additional information on ShowMatch DeltaQ Array loudspeaker modules and accessories, refer to the installation guide available at pro.Bose.com.

To request a printed copy, use the phone numbers provided.

Contact Information

Bose Corporation Framingham, MA 01701 USA Corporate Center: 508-879-7330 Americas Professional Systems,

Technical Support: 800-994-2673

Importer Information

- **China Importer:** Bose Electronics (Shanghai) Company Limited, Level 6, Tower D, No. 2337 Gudai Rd. Minhang District, Shanghai 201100
- **UK Importer:** Bose Limited Bose House, Quayside Chatham Maritime, Chatham, Kent, ME4 4QZ, United Kingdom
- **EU Importer:** Bose Products B.V., Gorslaan 60, 1441 RG Purmerend, The Netherlands
- **Mexico Importer:** Bose de México, S. de R.L. de C.V. , Paseo de las Palmas 405-204, Lomas de Chapultepec, 11000 México, D.F. For importer & service information: +5255 (5202) 3545
- **Taiwan Importer:** Bose Taiwan Branch, 9F-A1, No. 10, Section 3, Minsheng East Road, Taipei City 104, Taiwan. Phone Number: +886-2-2514 7676

Limited Warranty

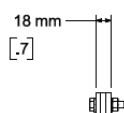
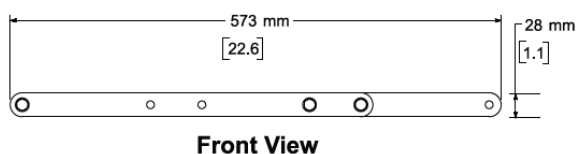
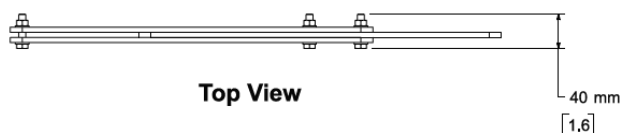
Your product is covered by a limited warranty, Visit pro.Bose.com for warranty details.

Installation Information

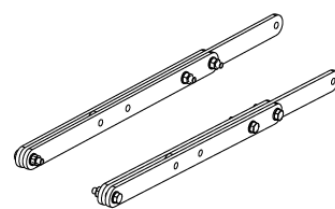
Thank you for selecting Bose® ShowMatch DeltaQ array loudspeakers. This document is intended to provide professional installers with basic installation and safety guidelines for using the Transition Bracket Accessory with ShowMatch DeltaQ array loudspeakers. Please read this document before attempting installation. Use the ShowMatch DeltaQ Sub-Module Transition Kit Accessory (SMSTK) to build certain array configurations containing ShowMatch DeltaQ SM10 and SM20 full-range loudspeaker modules, and subwoofer modules (SMS118). The sub-module transition kit allows you to build certain array configurations without needing a second ShowMatch Array Frame (SMAF) between the subwoofer module and the top-most full-range module.

CAUTION: The ShowMatch DeltaQ Sub-Module Transition Kit Accessory is for use only with the array configurations specified in this installation guide. Do not use this accessory with any other configurations.

Product Dimensions



Right View
DIMENSIONS APPLY TO BOTH SIDES



Sub-module transition kit

Single Point, 10:1 Working Load Limit (in accordance with ANSI E1.8-2012)



- **ShowMatch Array Frame**
- **Transition Bracket (SMSTK)**
- **WLL = 110 kg (250 lbs)**
- **Product Weight:** 1.6 kg (3.6 lbs) per bracket assembly

Note: Must use TWO bracket assemblies per array configuration, one on each side of the array

Installation Instructions

To install the sub-module transition kit:

1. Determine the correct position (short or long) for transition brackets, based on desired array configuration.
2. Assemble a stack of three bars as shown in Figure 3 (for short brackets) or Figure 4 (for long brackets). Each assembly includes one bar with a label and two bars without a label. Assemble bars with labels visible (facing outward). Repeat to create two assemblies.
3. Attach nuts and bolts on both brackets in locations shown in Figures 3 and 4. Tighten to 9 N-m (80 in-lbs).
4. Attach ShowMatch SM118 subwoofer module to hanging ShowMatch Array Frame (SMAF). For more information and assembly instructions, see the ShowMatch DeltaQ Array Rigging Frames installation guide, available at pro.Bose.com.
5. Attach the front two connection points of the first full-range module to the front two connection points of the subwoofer module, using included quick pins. Do not attach the rear connection point of the full-range module. For more information and assembly instructions, see the ShowMatch DeltaQ Array Loudspeakers installation guide, available at pro.Bose.com.
6. Attach remaining full-range modules to complete the array, using front and back connection points.
7. Attach ShowMatch Array Pullback Bracket (SMPULL) to the bottom module of the array. For more information and assembly instructions, see the ShowMatch DeltaQ Array Rigging Frames installation guide, available at pro.Bose.com.
8. Attach one transition bracket to each side of the pullback bracket using provided nuts and bolts. Tighten to 9 N-m (80 in-lbs).
9. Using handles on the rear of full-range modules, lift the array into position until transition brackets reach the bottom, rear connection points of the subwoofer module.
10. Attach the transition bracket to the bottom, the rear connection point of the subwoofer, using included quick pins. See Figure 5.



Fig. 1. Short bracket position



Fig. 2. Long bracket position

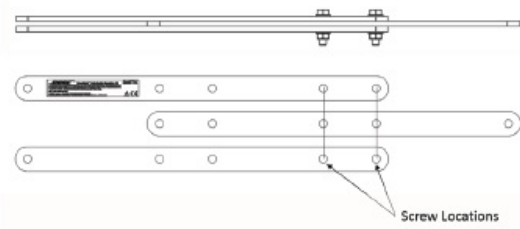


Fig. 3. Short bracket assembly

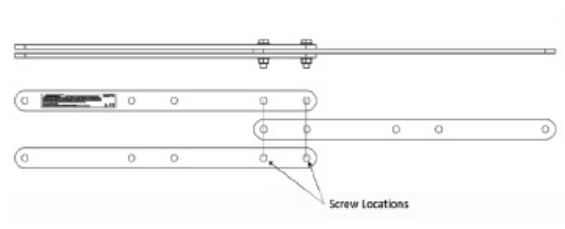


Fig. 4. Long bracket assembly

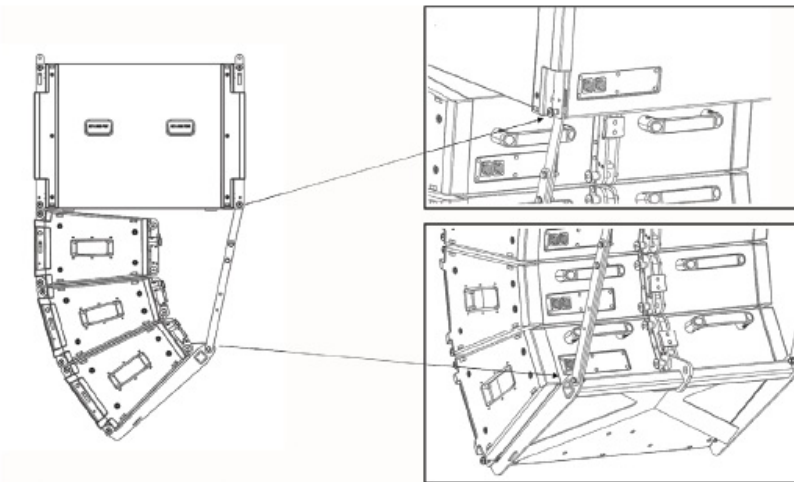


Fig. 5. Transition bracket connection points

Configurations Using Short Bracket Position

There are two allowable array configurations that use the short bracket position:

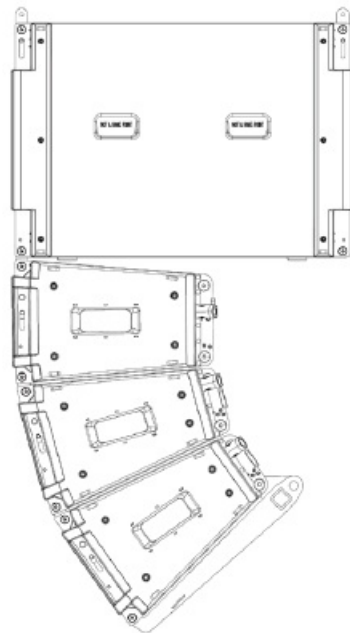


Fig. 6. SM10-SM20-SM20

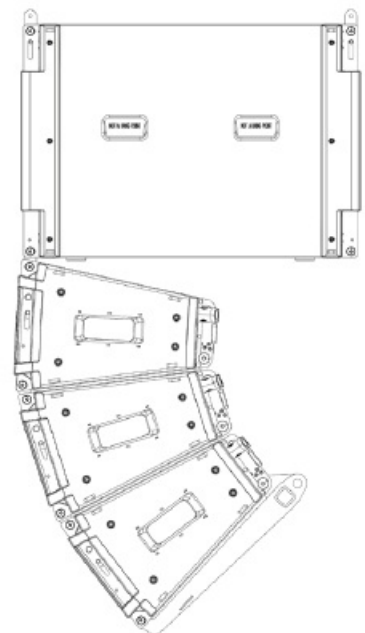


Fig. 7. SM20-SM20-SM20

- SM10, SM20, SM20 (see Figure 6)
- SM20, SM20, SM20 (see Figure 7)

Configurations Using Long Bracket Position

There are three array configurations that use the long bracket position:

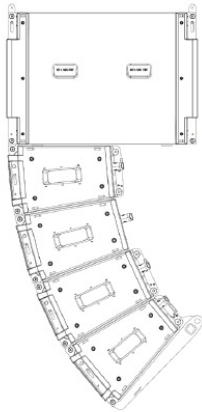


Fig. 8. SM10-SM10-SM10-SM20

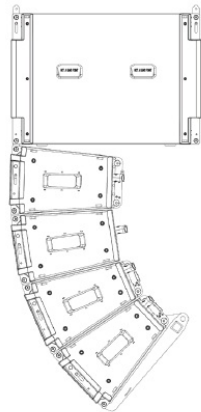


Fig. 9. SM10-SM10-SM20-SM20

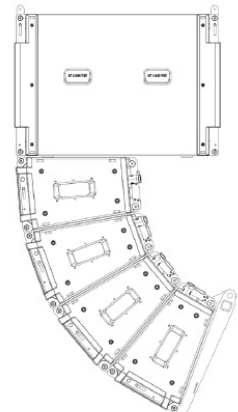



Fig. 10. SM10-SM20-SM20-SM20

- SM10, SM10, SM10, SM20 (see Figure 8)
- SM10, SM10, SM20, SM20 (see Figure 9)
- SM10, SM20, SM20, SM20 (see Figure 10)

Documents / Resources

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References

-  [Bose Professional](#)