



BOSE ArenaMatch DeltaQ Array Module Loudspeakers Installation Guide

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BOSE[®]

BOSE ArenaMatch DeltaQ Array Module Loudspeakers



Important Safety Instructions

Please read and keep all safety and use instructions.

This product is intended for installation by professional installers only! This document is intended to provide professional installers with basic installation and safety guidelines for this product in typical fixed-installation systems. Please read this document and all safety warnings before attempting installation.

Do not attempt to service this product yourself. Refer all servicing to authorized service centers, installers, technicians, dealers or distributors. To contact Bose Professional or to find a dealer or distributor near you, visit [PRO.BOSE.COM](https://pro.bose.com).

WARNINGS/CAUTIONS:

- All Bose products must be installed in accordance with local, state, federal and industry regulations. It is the installer's responsibility to ensure the installation of the loudspeakers and mounting system is performed in accordance with all applicable codes, including local building codes and regulations. Consult the local authority having jurisdiction before installing this product.
- Unsafe mounting or overhead suspension of any heavy load can result in serious injury or death, and property damage. It is the installer's responsibility to evaluate the reliability of any mounting method used for their application. Only professional installers with knowledge of proper hardware and safe mounting techniques should attempt to install any loudspeaker overhead.
- Do NOT make unauthorized alterations to this product.
- Do not mount on surfaces that are not sturdy, or that have hazards concealed behind them, such as electrical wiring or plumbing. Ensure the bracket is installed according to local building codes.
- Do not use hydrocarbon-based solvents, lubricants or cleaning agents of any type on or around Bose speakers, and associated mounting hardware, during installation. The use of such hydrocarbon-based lubricants, solvents or cleaning agents on or around the mounting anchors and screws can lead to the degradation of the plastic material, possibly resulting in cracking and premature failure of the product.
- Do not place or install the bracket or product near any heat sources, such as fireplaces, radiators, heat registers or other apparatus (including amplifiers) that produce heat.

Regulatory Information

Date of Manufacture: The eighth digit in the serial number indicates the year of manufacture; “7” is 2007 or 2017.

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

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Bose Corporation Headquarters: 1-877-230-5639

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Warranty Information

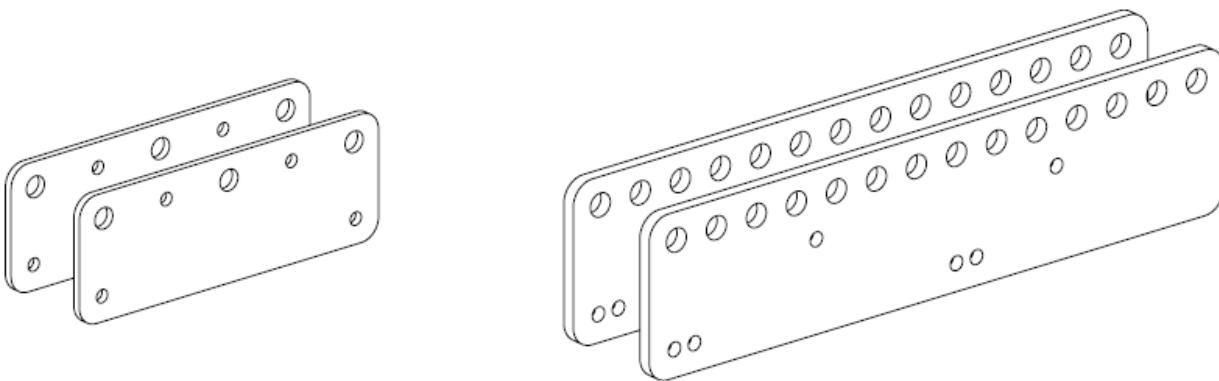
This product is covered by a limited warranty. For warranty details, visit [PRO.BOSE.COM](https://www.pro.bose.com).

Overview

Bose ArenaMatch array rigging accessories are designed for use with ArenaMatch DeltaQ Array loudspeakers (AM10, AM20, and AM40) only.

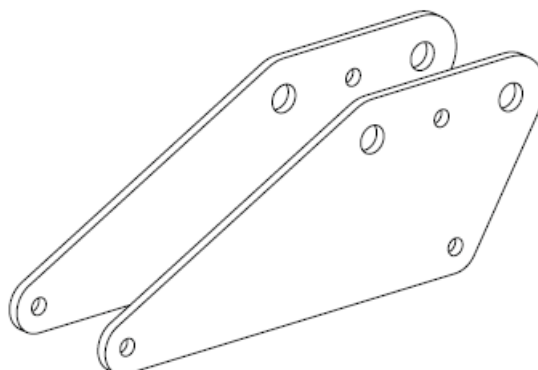
Array Plates (AMAPSHRT) (AMAPLONG)

Use the array plates to secure the top module of an array to building structures. All accessory kits are shipped in pairs and includes all required fasteners.



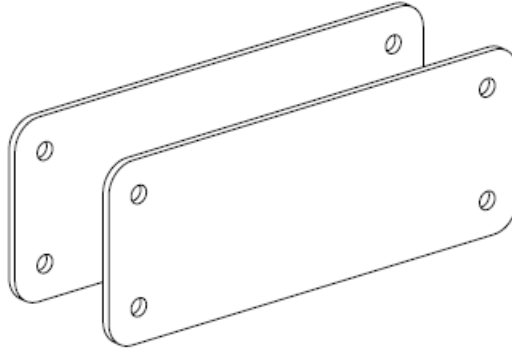
Pullback Bracket (AMPULL)

Use the pullback bracket to secure the bottom module of an array to building structures and adjust the overall angle of the array. All accessory kits are shipped in pairs and includes all required fasteners.

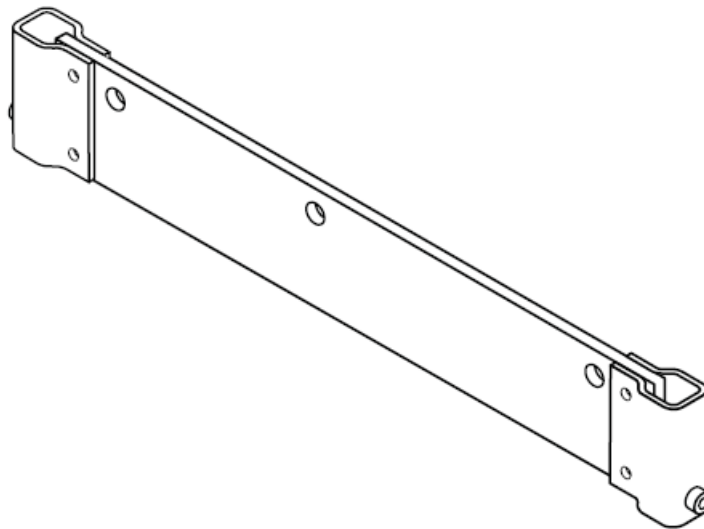


Module Connect Plate (AMMCPLAT)








Use the module connect plate to secure two ArenaMatch loudspeaker modules together. All accessory kits are shipped in pairs and includes all required fasteners.

**Spreader Bar (AMAPSPRD)**

Use the spreader bar to provide alternate attachment points to help position the array in the final installation location. Includes all required fasteners.



Package Contents

Accessory	Included Hardware	Class		Quantity
AMAPSHRT	M12 screw ¹	10.9		4
AMAPLONG	M12 screw ¹	10.9		4
AMPULL	M12 screw ¹	10.9		4
AMMCPLAT	M12 screw ¹	10.9		8
AMASPRD	M12 screw ²	10.9		2
	Fender washer with plastic liner	—		2
	Spacer	—		2

Footnotes

1. 30 millimeters long; with plastic washer and include pre-applied thread-locking compound.
2. 35 millimeters long; includes pre-applied thread-locking compound.

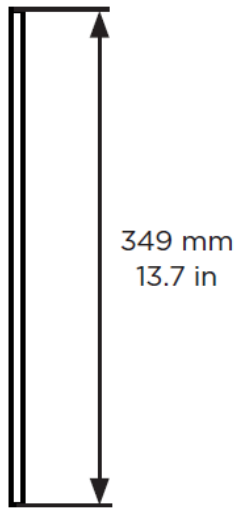
Specifications

Product Dimensions and Working Load Limits

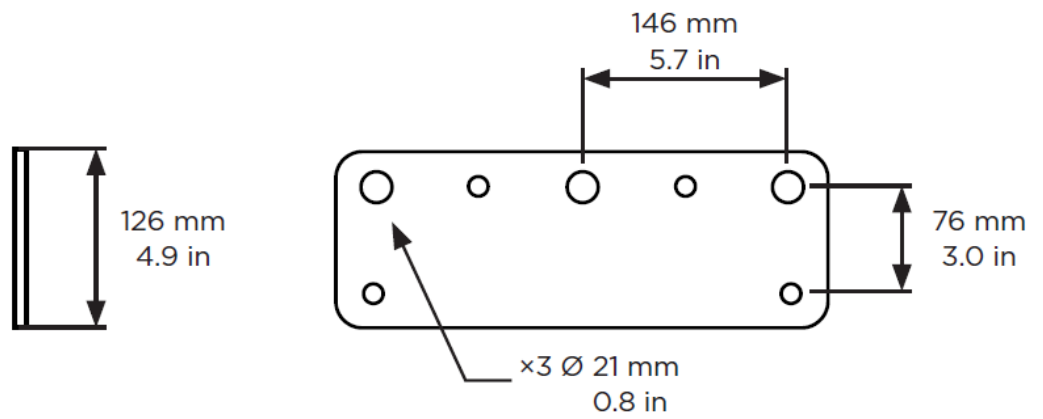
Array Plate Short

Product kit net weight: 5.3 kg (11.7 lbs)

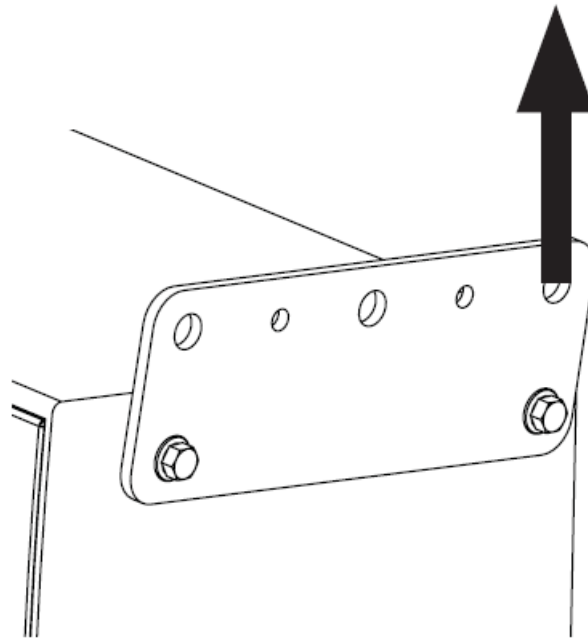
Top View



Front View



Single Point, 10:1 Working Load Limit

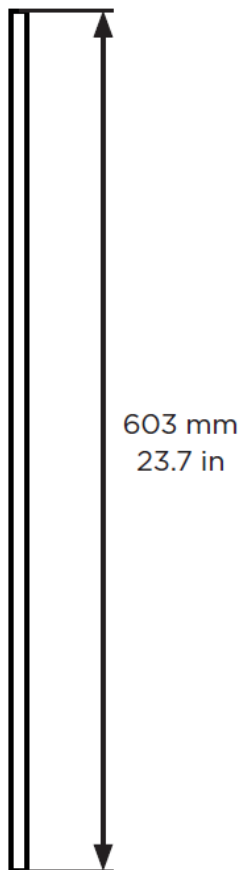


WLL = 250 kg (550 lbs) each side

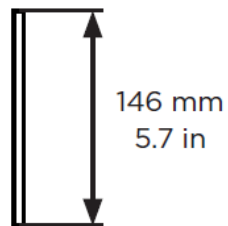
Array Plate Long

Product kit net weight: 16.8 kg (37.0 lbs)

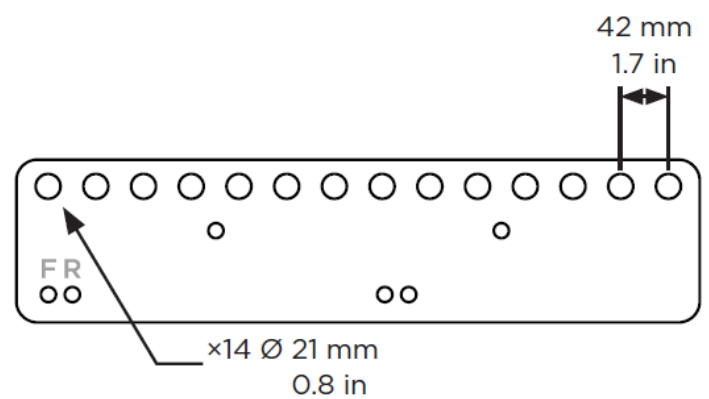
Top View



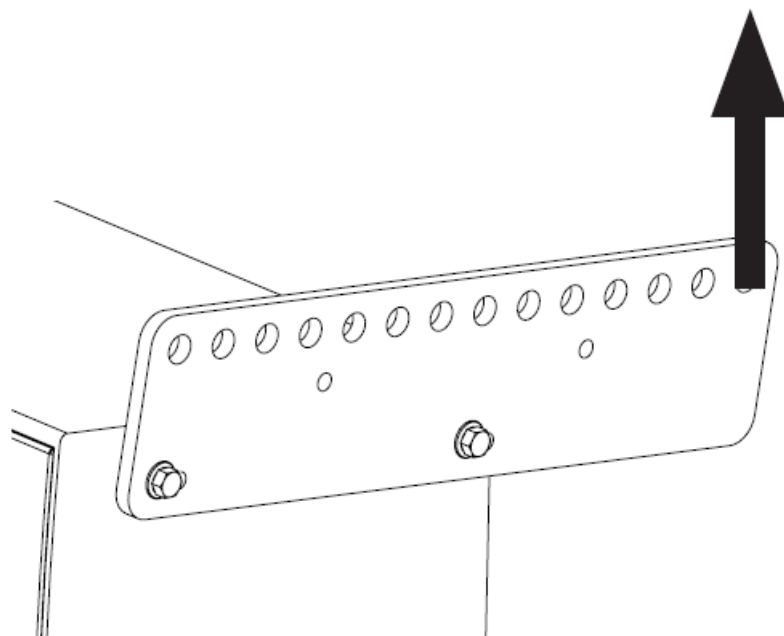
Front View



Side View



Single Point, 10:1 Working Load Limit

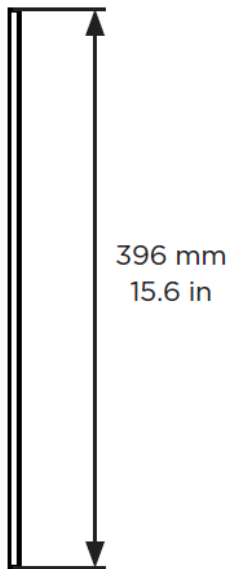


WLL = 160 kg (350 lbs) each side

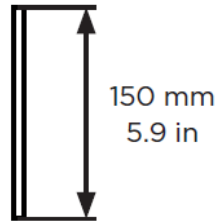
Pullback Bracket

Product kit net weight: 5.1 kg (11.3 lbs)

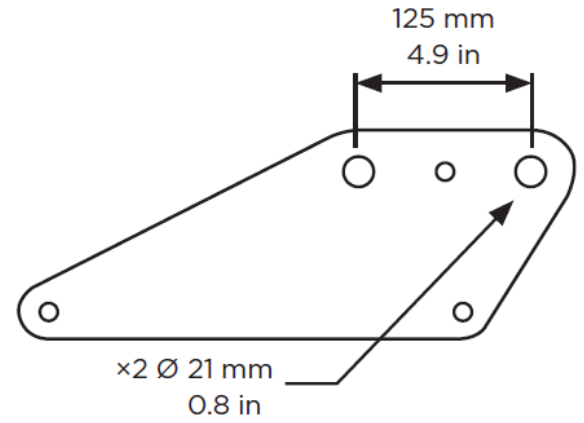
Top View



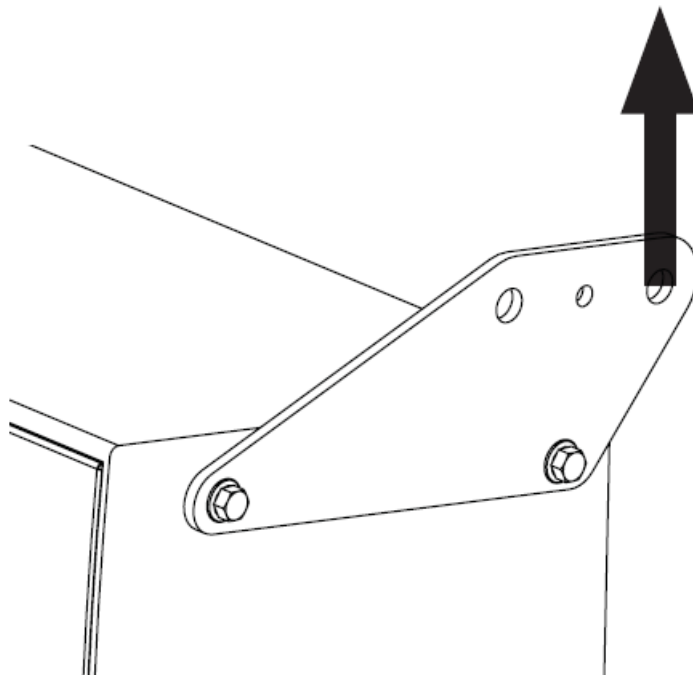
Front View



Side View



Single Point, 10:1 Working Load Limit



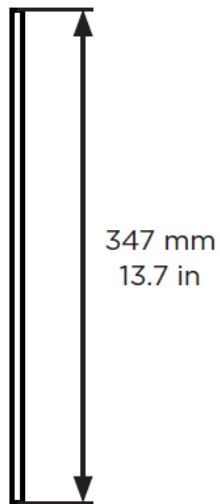
WLL = 205 kg (450 lbs) each side

Note: Pullback brackets can be used on both the top and bottom of an array.

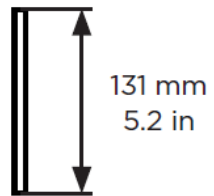
Module Connect Plate

Product kit net weight: 4.4 kg (9.7 lbs)

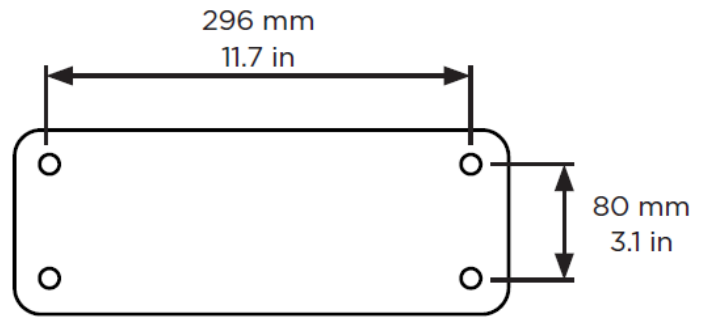
Top View



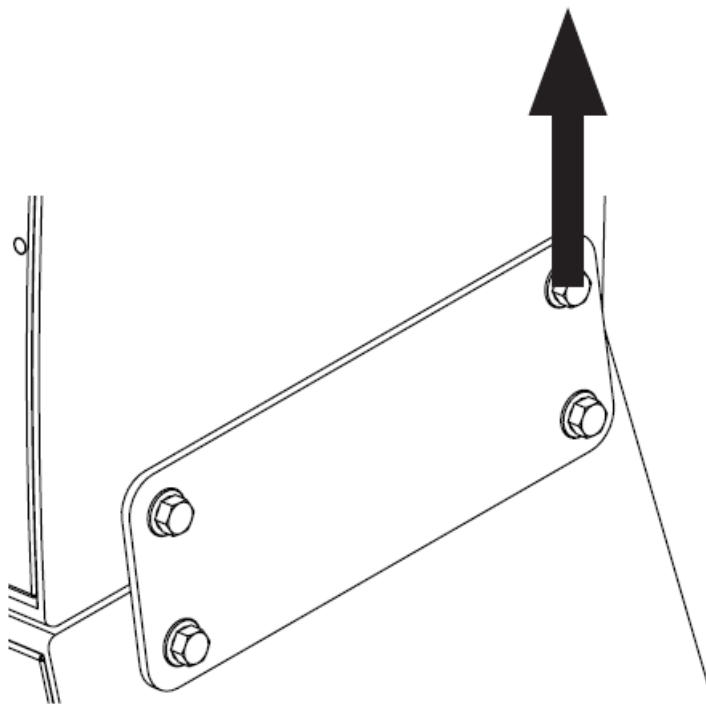
Front View



Side View



Single Point, 10:1 Working Load Limit



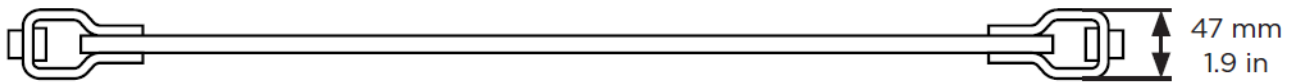
Front and Rear Rigging

WLL = 360 kg (800 lbs) each side

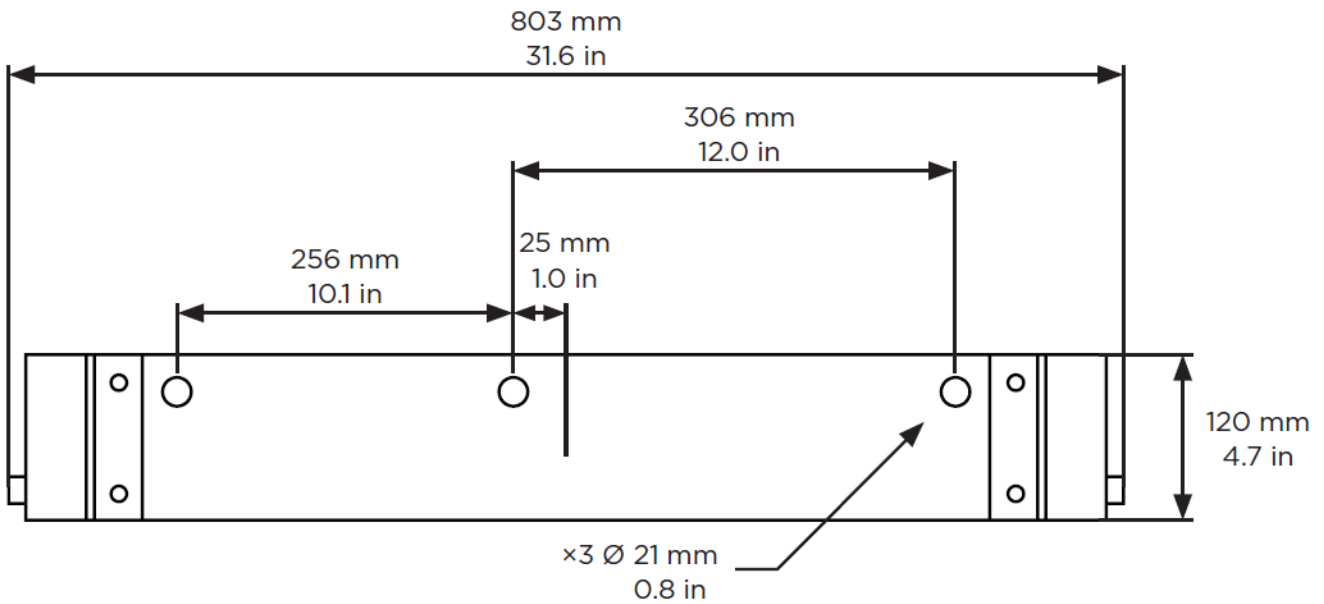
Spreader Bar

Product kit net weight: 10.3 kg (22.7 lbs)

Top View



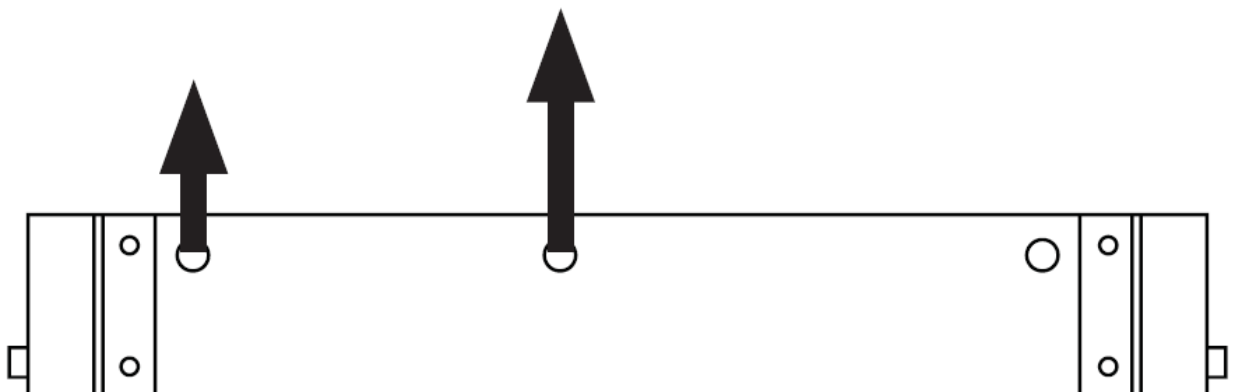
Front View



Side View



Single Point, 10:1 Working Load Limit



WLL = 250 kg (550 lbs) each side point

WLL = 476 kg (1050 lbs) center point

Installation

WARNING: The loudspeaker and all mounting components must be inspected annually by a qualified professional

who is trained and certified in suspending loudspeaker systems. All rigging parts and components used in the suspension of the loudspeaker system should be visually inspected for signs of cracking, bending, water damage, corrosion, de-lamination, or any other condition that could compromise the system's integrity and create a dangerous falling hazard.

Array Rigging

ArenaMatch DeltaQ array loudspeakers include four M12 threaded inserts per side, designed to be used with optional ArenaMatch rigging accessories. Additionally, the M10 and M6 inserts on each side are designed to be used with the optional ArenaMatch U-bracket accessory.

Note: Always confirm safe working load limits with exact array configurations, pitch angles, and connection points using approved array design software. See the ArenaMatch product page at [PRO.BOSE.COM](https://www.bose.com/pro) for a complete list of approved array design software.

Note: All lifting operations require two individuals positioned on each side of the loudspeaker.

CAUTION: To maintain weather resistance after installation, ensure all loudspeaker module inserts are sealed, all coatings remain undamaged, and all modules are installed with sufficient downward pitch.

CAUTION: Use only Bose ArenaMatch loudspeaker hardware, or custom suspension hardware designed and approved by qualified, professional engineering service providers.

Connecting Array Plates to a Loudspeaker Module

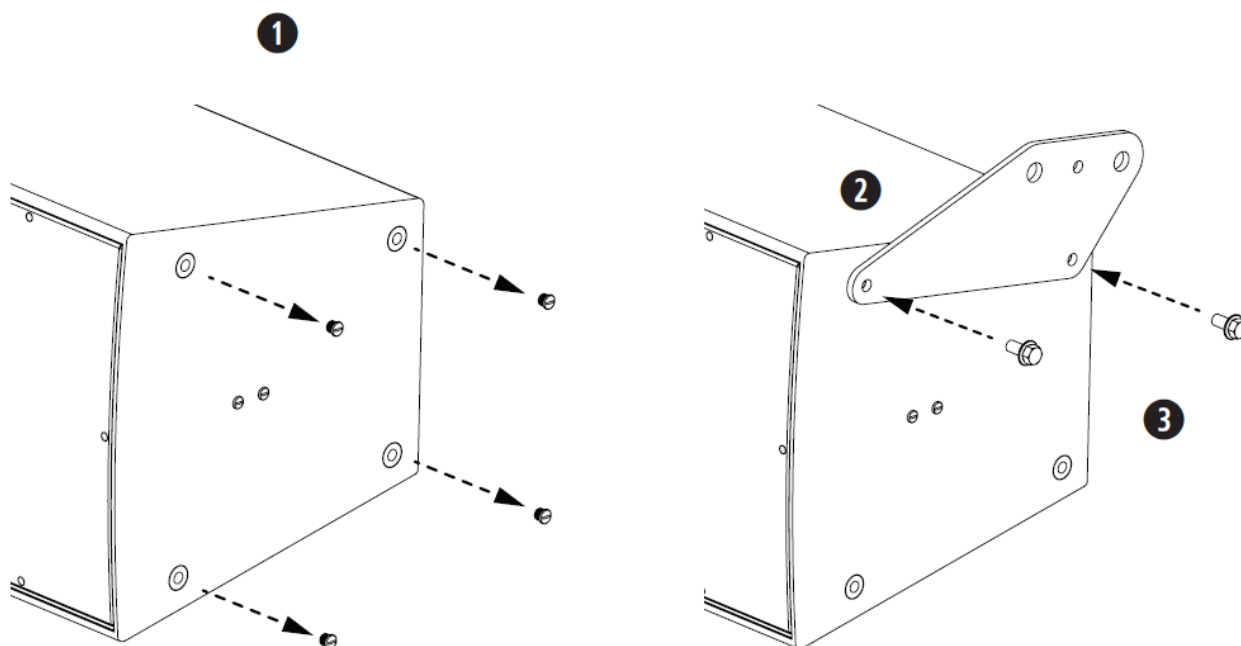
1. Remove the plastic plugs from the loudspeaker module on either side of the module.

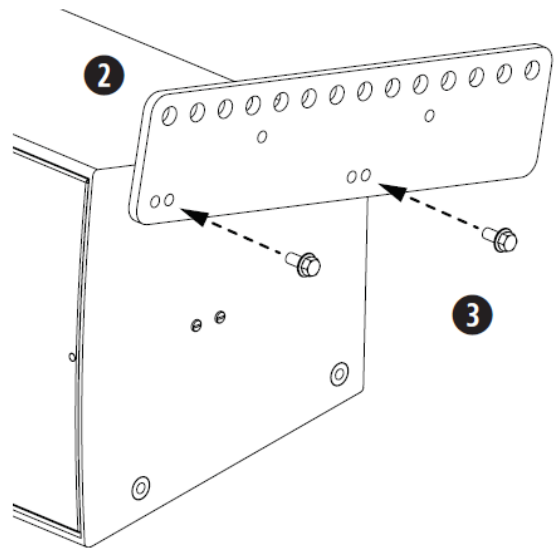
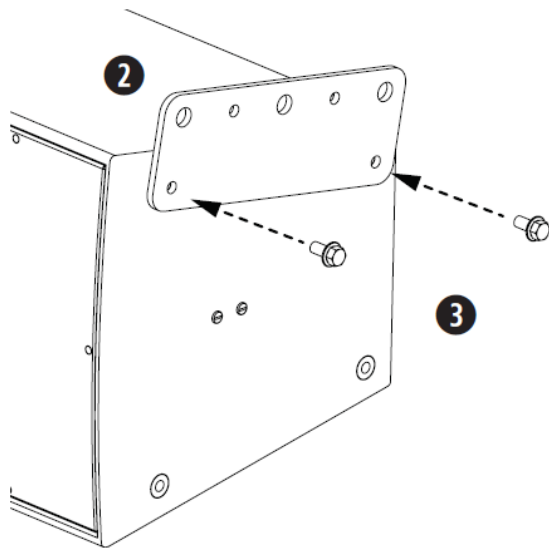
2. Line up your array plate with the open inserts on either side of the module.

Note: If using a long array plate, determine which attachment holes and orientation to use based on your array design.

Note: If using a pullback bracket as an array plate, determine which orientation to use based on your array design.

3. Using the included M12 screws and washers, secure the array plate to the module. Note: Torque screws to 40.7 newton-meters (30 pound-feet).

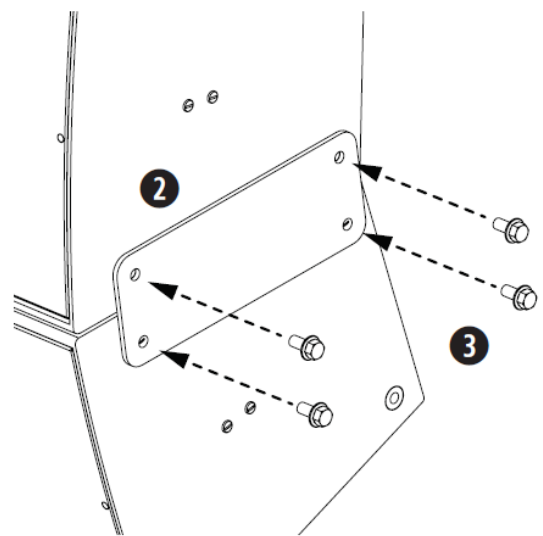
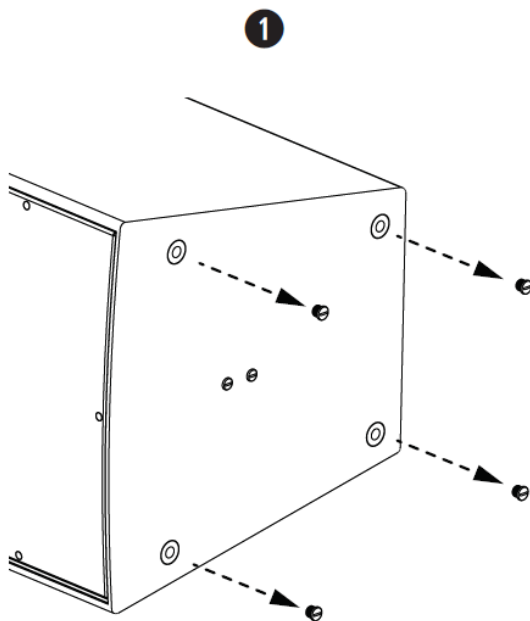




Connecting Loudspeaker Modules Using a Module Connect Plate

1. Remove the plastic plugs from the loudspeaker modules on either side of the modules.
2. Line up your module connect plate with the open inserts on either side of both modules.
3. Using the included M12 screws and washers, secure the modules together with the module connect plate.

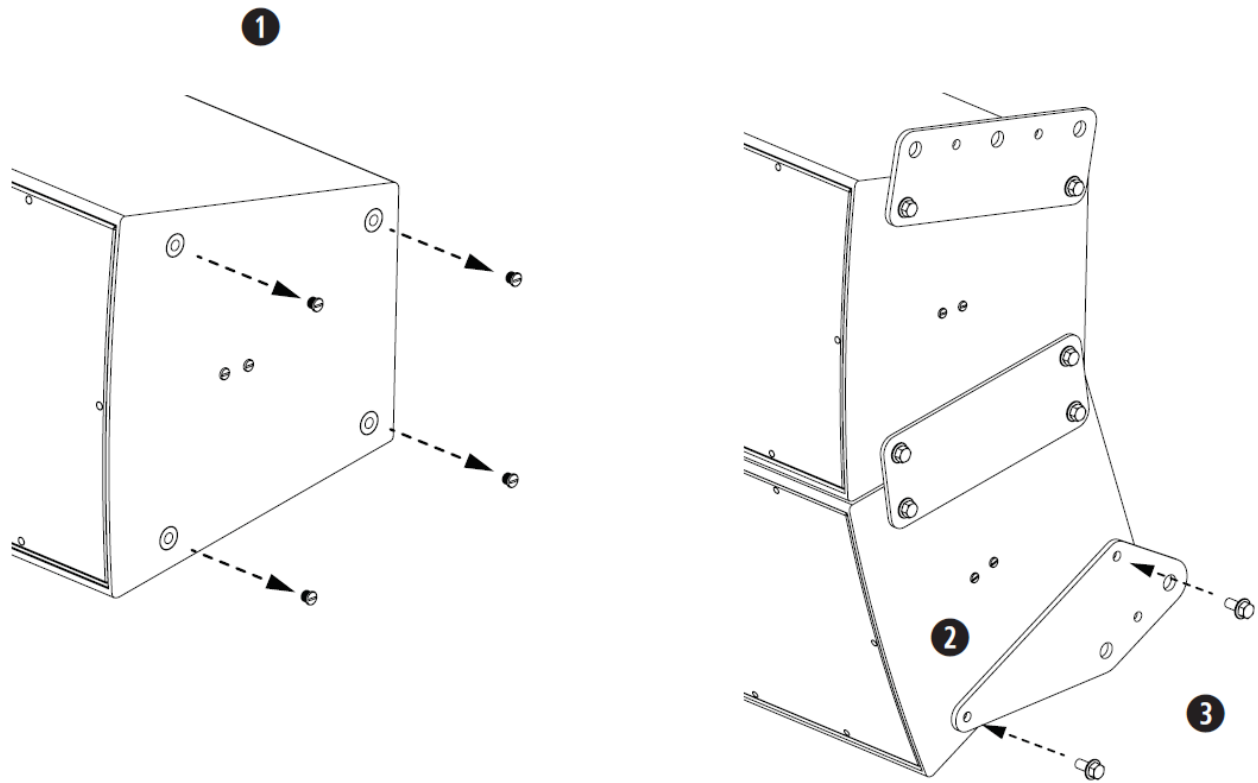
Note: Torque screws to 40.7 newton-meters (30 pound-feet).



Connecting a Pullback Bracket to a Loudspeaker Module

1. Remove the plastic plugs from the loudspeaker module on either side of the module.
2. Line up your pullback bracket with the open inserts on either side of the module. Note: Determine which orientation to use based on your array design.
3. Using the included M12 screws and washers, secure the pullback bracket to the module.

Note: Torque screws to 40.7 newtons · meters (30 pounds · feet).



Connecting a Spreader Bar to a Loudspeaker Module

1. Confirm the orientation and position of the spreader bar in relation to the array plates based on your array design.

Note: The center attachment point is slightly off-center to account for the module center of gravity position. To confirm the spreader bar is in the correct orientation, ensure the product label of the spreader bar is on the same side as loudspeaker input panel.

2. Install one array plate on one side of the module (see Connecting Array Plates to a Loudspeaker Module on page 14).
3. Insert the spreader bar into your chosen attachment hole on the array plate (from step 2) and secure in place using the included hardware as shown.

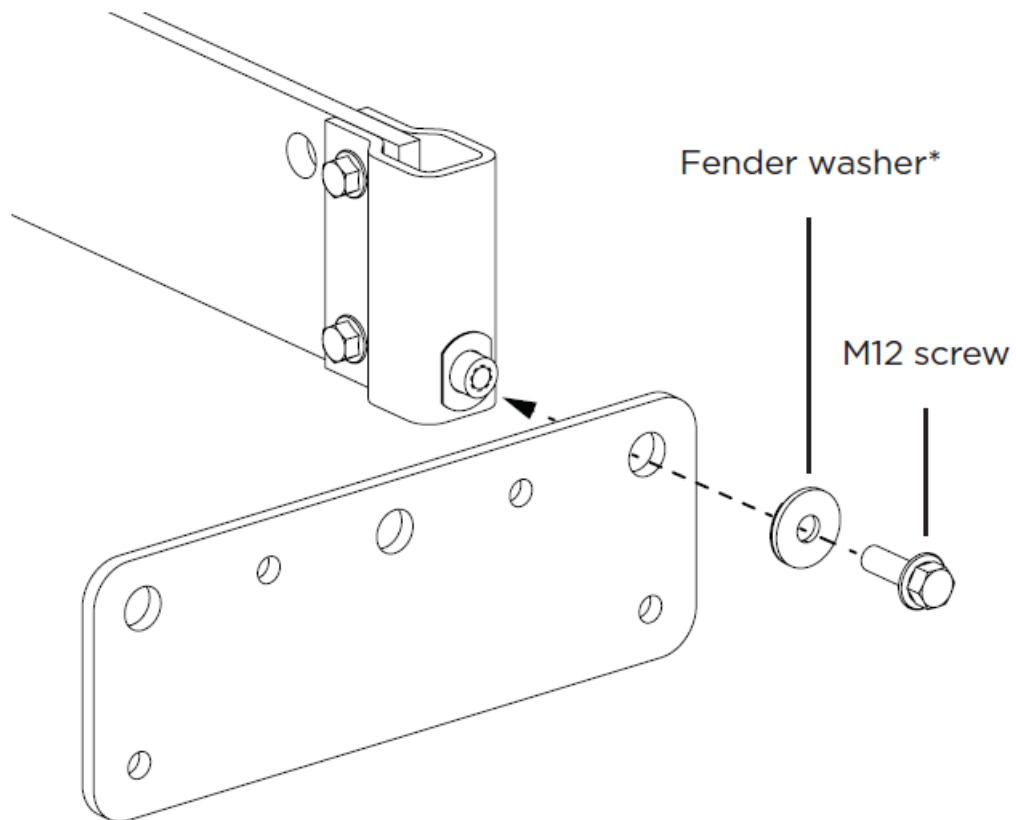
Note: The spreader bar will still be able to rotate after the fasteners are in place. Use caution to avoid personal injury and damage to product.

Note: The included small spacers are used only with the long array plates. Place the spacer in between the array plate and the spreader bar.

4. Install the second array plate.

Note: Torque screws to 40.7 newton-meters (30 pound-feet).

3



* Make sure the plastic lining of the fender washer is facing the array plate.


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April 2022

Documents / Resources

 <p>ArenaMatch DeltaQ Array Module Loudspeakers</p>	<p>BOSE ArenaMatch DeltaQ Array Module Loudspeakers [pdf] Installation Guide ArenaMatch DeltaQ Array Module Loudspeakers, ArenaMatch DeltaQ, Array Module Loudspeakers, Module Loudspeakers, Loudspeakers</p>
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References

-  [Bose Professional](#)