

AMM112
Multipurpose Loudspeaker

Please read and keep all safety, security, and use instructions.

This product is intended for installation by professional installers only!

This document is intended to provide users with safety guidelines and basic setup information only. If this product will be mounted or suspended in a permanent, fixed installation, please review all relevant documentation from Bose (see **Additional Product Documentation**) and from the manufacturer of all other installation components before installing the product.

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.



WARNINGS/CAUTIONS



This symbol on the product means there are important operating and maintenance instructions in this guide.



This product contains magnetic material. Consult your physician on whether this might affect your implantable medical device.

All Bose products must be installed in accordance with local, state, federal and industry regulations. It is the installer's responsibility to ensure 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.

Installed loudspeakers require regular inspection and routine maintenance to ensure proper function and safe operation. Inspect mounting hardware and attachments for signs of corrosion, bending or any other condition that may decrease the structural integrity. Immediately replace worn or damaged components.

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 by a qualified professional installer and in accordance with local building codes.

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.

Do not use in vehicles or boats.

Due to ventilation requirements, Bose does not recommend placing the product in a confined space such as in a wall cavity or in an enclosed cabinet.

Do not expose this product to dripping or splashing, and do not place objects filled with liquids, such as vases, on or near the product.

Do not mount the product in locations where condensation may occur.

This product is not intended for installation or use in indoor water facility areas (including, without limitation, indoor pools, indoor water parks, hot tub rooms, saunas, steam rooms and indoor skating rinks).

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 the knowledge of proper hardware and safe mounting techniques should attempt to install any loudspeaker overhead.

Do not expose loudspeaker or mounting components to any chemical substances that are not specified by Bose, including but not limited to lubricants, cleaning agents, contact sprays, or hydrocarbon based solvents. Exposure to such substances can lead to degradation of the plastic material, resulting in cracking and creating a falling hazard.

Regulatory Information

Model Number: AMM112



Bose Corporation hereby declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 2014/35/EU and all other applicable EU directive requirements. The complete declaration of conformity can be found at: www.Bose.com/compliance.



This symbol means the product must not be discarded as household waste, and should be delivered to an appropriate collection facility for recycling. Proper disposal and recycling helps protect natural resources, human health, and the environment.

For more information on disposal and recycling of this product, contact your local municipality, disposal service, or the shop where you bought this product.

China Restriction of Hazardous Substances Table

Names and Contents of Toxic or Hazardous Substances or Elements						
Toxic or Hazardous Substances and Elements						
Part Name	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (CR(VI))	Polybrominated Biphenyl (PBB)	Polybrominated diphenylether (PBDE)
PCBs	X	0	0	0	0	0
Metal Parts	X	0	0	0	0	0
Plastic Parts	0	0	0	0	0	0
Speakers	X	0	0	0	0	0
Cables	X	0	0	0	0	0

This table is prepared in accordance with the provisions of SJ/T 11364.
 O: Indicates that this toxic or hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement of GB/T 26572.
 X: Indicates that this toxic or hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement of GB/T 26572.

Taiwan Restriction of Hazardous Substances Table

Equipment name: Professional Loudspeaker		Type designation: AMM112				
Restricted substances and its chemical symbols						
Unit	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr+6)	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
PCBs	-	o	o	o	o	o
Metal Parts	-	o	o	o	o	o
Plastic Parts	o	o	o	o	o	o
Speakers	-	o	o	o	o	o
Cables	-	o	o	o	o	o

Note 1: "o" indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.
Note 2: The "-" indicates that the restricted substance corresponds to the exemption.

Date of Manufacture: The eighth digit in the serial number indicates the year of manufacture; "0" is 2010 or 2020.

China Importer: Bose Electronics (Shanghai) Company Limited, Part C, Plant 9, No. 353 North Riyang Road, China (Shanghai) Pilot Free Trade Zone

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 service or importer information, call +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

Bose Corporation Headquarters: 1-877-230-5639

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Loctite and 242 are trademarks and/or registered trademarks of Henkel and/or its affiliates in the U.S. and elsewhere.

Neutrik is a registered trademark of Neutrik AG.

All other trademarks are the property of their respective owners.

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Warranty Information

This product is covered by a limited warranty.

For warranty details, visit pro.Bose.com/warranty.

Additional Product Documentation

This guide includes basic setup information only. If this product will be mounted or suspended in a permanent, fixed installation, please review all relevant documentation from Bose on the web page shown here.

To ensure safe product installation, it is the installer's responsibility to refer to all relevant documentation for this product and all other installation components before installing the product.

Only professional installers with the knowledge of proper hardware and safe mounting techniques should attempt to install any loudspeaker or subwoofer overhead.

To access additional Bose documentation for this product, scan the QR code or visit the web page shown here.



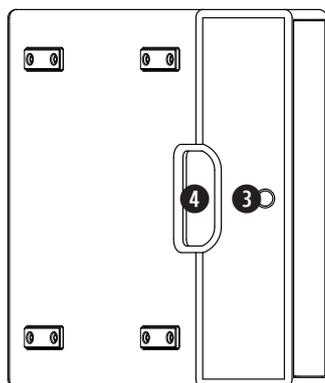
pro.bose.com/amm112

Product Details

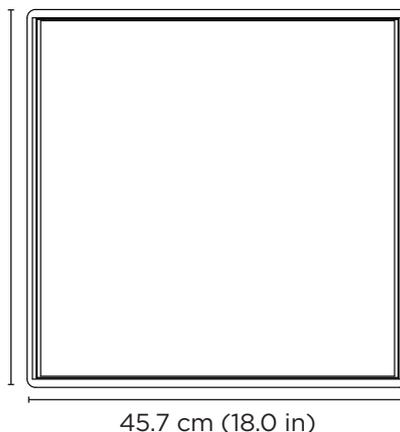
- ① Input connection
- ② 35 mm (1 3/8 in) pole cup (for pole-mounting)
- ③ M10 threaded insert (for accessory attachment/mounting)
- ④ Handle

Net weight: 22.04 kg (48.60 lb)

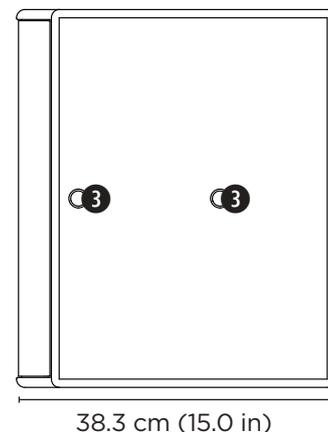
Side View (Left)



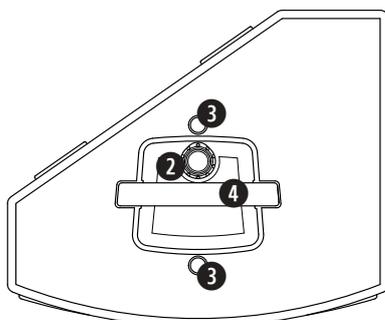
Front View



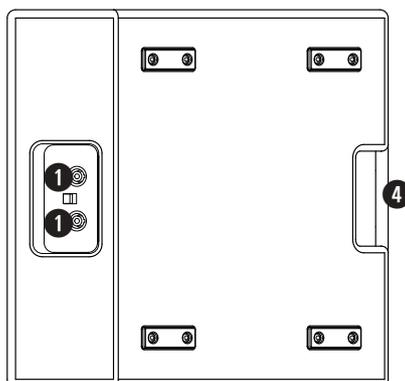
Side View (Right)



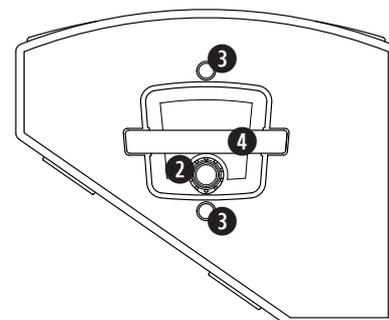
Top View



Rear View



Bottom View

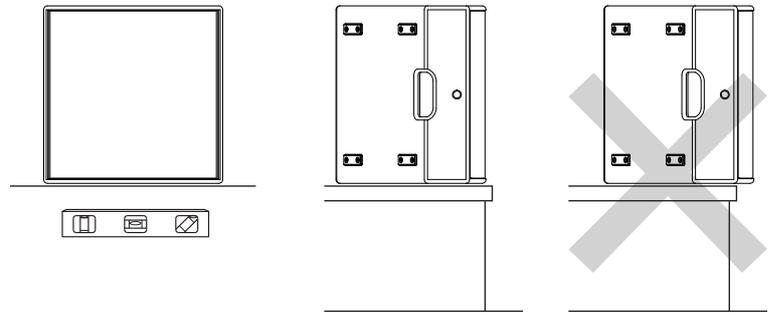


Stage Fill



WARNING: Make sure the stage or floor is stable and level.

WARNING: Do not allow the loudspeaker to protrude over the edge of a stage. Make sure the entire loudspeaker is resting on the stage.



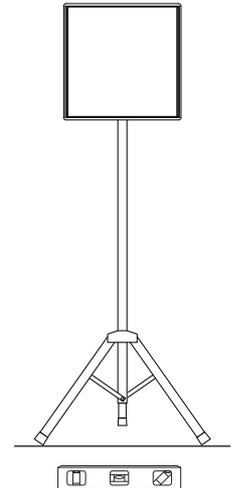
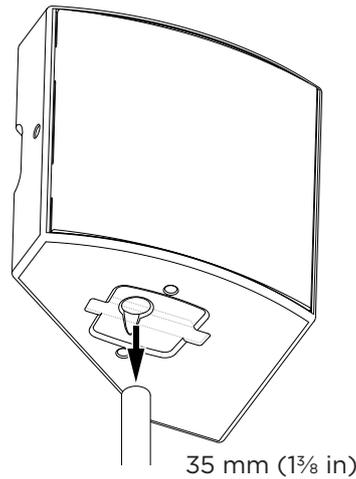
Loudspeaker Stand



WARNING: Make sure the stand is placed on a stable, level surface.

WARNING: Refer to all relevant documentation for the pole or stand before attaching the loudspeaker. Make sure the pole or stand can support the weight of the loudspeaker. Once the pole or stand is assembled and the loudspeaker is attached, make sure the whole assembly is stable and does not present a tipping or falling hazard.

WARNING: Do not attempt to move the whole assembly. Remove the loudspeaker from the pole before moving the stand.



With a Subwoofer

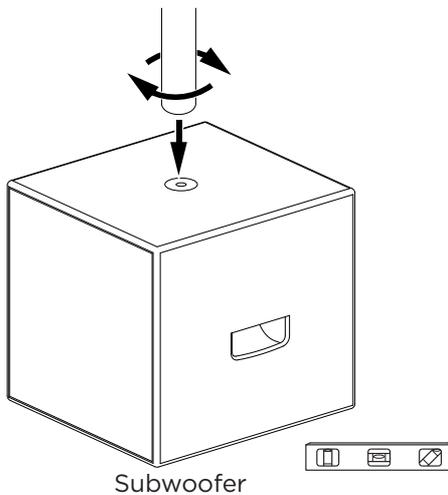


WARNING: Make sure the subwoofer is placed on a stable, level surface.

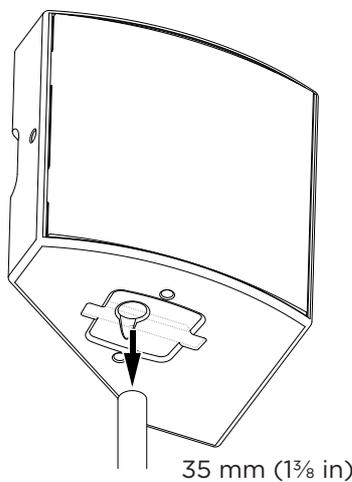
WARNING: Refer to all relevant documentation for the subwoofer and pole before attaching the loudspeaker. Make sure the subwoofer and pole can support the weight of the loudspeaker. Once the subwoofer and pole are assembled and the loudspeaker is attached, make sure the whole assembly is stable and does not present a tipping or falling hazard.

WARNING: Do not attempt to move the whole assembly. Remove the loudspeaker from the pole before moving the subwoofer.

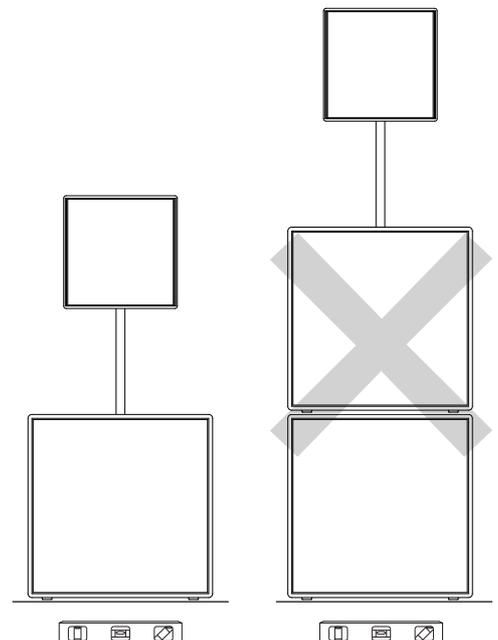
WARNING: Do not use a pole mount with a stack of subwoofers.



Subwoofer



35 mm (1 3/8 in)



Installation (Mounting or Suspension)

Installation Guidelines

Bose AMM loudspeakers include threaded inserts to accommodate mounting or suspension methods as described in this document.

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 the knowledge of proper hardware and safe mounting techniques should attempt to install any loudspeaker or subwoofer overhead.**

Bose AMM loudspeakers are designed for use with Bose accessories for mounting and suspension. If you are using a custom-designed mounting or suspension system, have a licensed professional engineer review the design and planned method of attachment to the building structure for structural integrity and safety in the intended application.

Choose fasteners that are consistent with all local building codes and requirements to support the weight of the loudspeaker.

- Use only fasteners/hardware of Class 8.8 or greater.
- Do not use unmarked machine fasteners for mounting system assemblies as there is no way to determine their physical properties.
- Use only M10 fasteners for the threaded inserts on the loudspeaker. Although SAE $\frac{3}{8}$ "-16 fasteners are similar, they are not interchangeable with M10 fasteners.
- Do not over-tighten fasteners. Doing so may irreparably damage the cabinet and create an unsafe assembly.
- Make sure fasteners are long enough to engage at least 8 threads of the attachment point. Using a fastener that is engaged with fewer than 8 threads will result in inadequate support of the loudspeaker, which may strip the threads and create an unsafe assembly.
- Do not alter or re-thread the threaded attachment points to accommodate any other thread size or type. Doing so will compromise the safety of the installation and permanently damage the loudspeaker.
- For a vibration-resistant assembly, use a locking compound intended for hand disassembly (such as Loctite® 242®).

Do not use the loudspeaker handles to suspend the loudspeaker.

Do not suspend additional loudspeakers or other items from the Bose AMM loudspeaker.

Wall-, Ceiling-, or Truss-mounting



WARNING: To ensure safe product installation and usage, it is the installer's responsibility to refer to the previous **Installation Guidelines** section and the user documentation of all mounting components before installing the product.

To mount the loudspeaker on a wall, ceiling, or truss, we recommend using the Bose accessories listed below when possible. To access documentation for each product, scan the QR code or visit the web page.

AMM112 U-Bracket Kit
843364-0010



pro.bose.com/amm112ubacket

AMM Suspension Bracket
843344-0010



pro.bose.com/ammsbracket

If you are using a custom-designed mounting or suspension system or hardware, a licensed professional engineer must review the design and fabrication. Obtain all mounting or suspension system components from reputable manufacturers.

Suspension

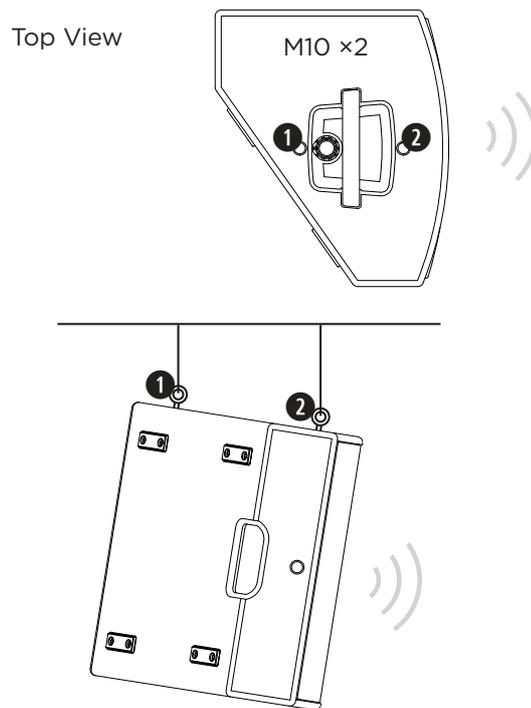


WARNING: To ensure safe product installation and usage, it is the installer's responsibility to refer to the previous **Installation Guidelines** section and the user documentation of all mounting components before installing the product.

To suspend the loudspeaker from the ceiling, attach M10 threaded eye bolts to the two M10 threaded attachment points on the top or bottom panel of the loudspeaker. Use only load-rated eye bolts intended for lifting (per ASME B30.26).

For easier adjustment of the angle, use the **AMM Suspension Bracket** (843344-0010). To access documentation for the AMM Suspension Bracket, scan the QR code or visit pro.bose.com/ammsbracket.

If you are using a custom-designed mounting or suspension system or hardware, a licensed professional engineer must review the design and fabrication. Obtain all mounting or suspension system components from reputable manufacturers.



Processor Presets

Use only approved Bose Professional loudspeaker presets. The presets listed here are available when using Bose Professional PowerMatch amplifiers.

For a complete list of products that support Bose Professional AMM loudspeaker presets visit PRO.BOSE.COM.

Application	Preset Name
Main Loudspeaker	AMM112(FR) AMM112(LF) AMM112(LF90) AMM112(HF)
Main Loudspeaker + Subwoofer	AMM112(FR) AMM112(90) AMM112(LF) AMM112(LF90) AMM112(HF)
Stage Monitor	AMM112(MON) AMM112(90-MON) AMM112(LF-MON) AMM112(LF90-MON) AMM112(HF-MON)

Technical Specifications

Coverage	110° horizontal × 60° vertical		
Tilt-back Angle	35°		
IP Rating	IP43 (front-of-house position only)		
Connectors	2 × Neutrik® NL4 inputs	Passive: Pin 1+: FR+ Pin 1-: FR- Pin 2+: Not connected Pin 2-: Not connected	Bi-amp: Pin 1+: LF+ Pin 1-: LF- Pin 2+: HF+ Pin 2-: HF-
Power Handling	Passive: 300 W (RMS), 2800 W (peak) Bi-amp, LF: 300 W (RMS), 2800 W (peak) Bi-amp, HF: 45 W (RMS), 720 W (peak)		
Nominal Impedance	Passive or bi-amp, LF/HF: 8 Ω		
Dimensions (height × width × depth)	47.7 cm × 47.7 cm × 38.3 cm (18.0 in × 18.0 in × 15.0 in)		
Net Weight	22.04 kg (48.60 lb)		



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