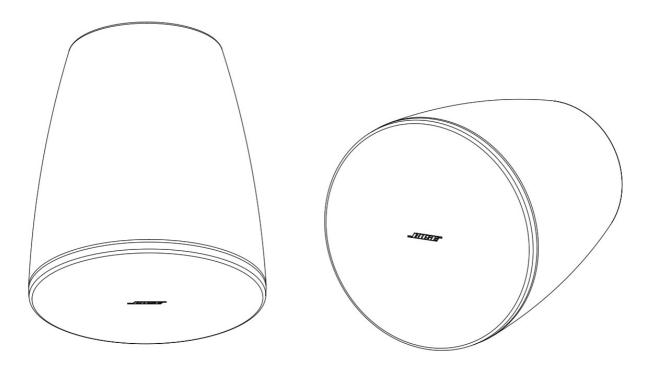


BOSE DesignMax DM6PE Pendant Loudspeaker Installation Guide

Home » Bose » BOSE DesignMax DM6PE Pendant Loudspeaker Installation Guide 🖔



DesignMax DM6PE Pendant Loudspeaker Installation Guide



Contents

- 1 Important Safety Instructions
- **2 Package Contents**
- **3 Product Dimensions**
- 4 Important Installation Information
- **5 Safety and Regulatory Compliance**
- 6 Setup
- 7 Installation Options and

Accessories

- 8 Wiring the Loudspeaker
- 9 Mounting the Loudspeaker
- 10 Documents / Resources
 - 10.1 References
- 11 Related Posts

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 fixedinstallation 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

- 1. Read these instructions.
- 2. Keep these instructions.
- 3. Heed all warnings.
- 4. Follow all instructions.
- 5. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 6. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produces heat.
- 7. Only use attachments/accessories specified by the manufacturer.



WARNINGS/CAUTIONS (!)



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



Contains small parts which may be a choking hazard. Not suitable for children under age 3.

- It is the responsibility of the installer to use a support system that has sufficient wind load strength to comply with the applicable codes and standards.
- · 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 the knowledge of proper hardware and safe mounting techniques
 should attempt to install any loudspeaker overhead.
- 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.
- Use only the hardware and accessories included or specified by Bose for use with DesignMax DM6PE loudspeakers. For information on compatible accessories, see the product's technical data sheet at PRO.BOSE.COM.
- Keep the product away from fire and heat sources. Do not place naked flame sources, such as lighted candles, on or near the product.
- Do not make unauthorized alterations to this product.
- 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.
- Clean speakers using only a dry cloth. Do not expose the loudspeaker to soap, detergent, mineral oil, alcohol or other cleaning agents or chemicals.

Cable-specific Warnings:

- The cable 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).
- Do not use it for liftings, such as a crane or pulley, or for hanging installations that include movement or dynamic behavior. Intended for hanging static loudspeakers only.
- Do not walk or stand on the cable installation.
- Do not paint the cable fastener or any other part of the cable assembly.
- If using a cable system not supplied by Bose, the working load limit must be equal to or greater than the supplied cable system. See **Technical Specifications** for Safe Working Load.
- Do not apply oil or any other lubricant to the cable fastener or any other part of the cable assembly.
- Never join two cables together. Only use one cable assembly per loudspeaker hang point.
- Only use the pendant suspension cable with Bose pendant loudspeakers.

Product Ratings:

Input Voltage: 70V/100V Impedance: 8Ω , 100 W

Current or Power: (70V): 2.5W, 5W, 10W, 20W, 40W, 80W; (100V): 5W, 10W, 20W, 40W, 80W

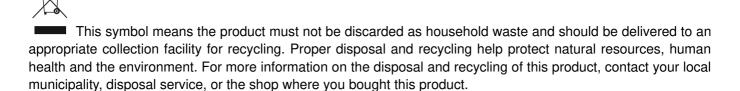
Regulatory Information

This product conforms to all applicable EU directive requirements. The complete declaration of conformity can be found at: www.Bose.com/compliance.

CA

This product conforms to all applicable Electromagnetic Compatibility Regulations 2016 and all other

applicable UK regulations. The complete declaration of conformity can be found at: www.Bose.com/compliance



China Restriction of Hazardous Substances Table

Names and Contents of Toxic or Hazardous Substances or Elements **Toxic or Hazardous Substances and Elements** Polybrominated d Lead Mercury Cadmium Hexavalent Polybrominated B iphenyl ether (PB Part Name (Pb) iphenyl (PBB) (Hg) (Cd) (CR(VI)) DE) **PCBs** 0 0 0 0 0 Metal Parts 0 0 0 0 Plastic Parts 0 0 0 0 0 0 Speakers × 0 0 0 Cables 0 0 0 0 0 This table is prepared in accordance with the provisions of SJ/T 11364.

0: Indicates that this toxic or hazardous substance contained in all of the homogeneous m aterials 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 homog eneous materials used for this part is above the limit requirement of GB/T 26572.



Taiwan Restriction of Hazardous Substances Table

Equipment name: DesignMax DM6PE, Type designation: 841168									
	Restricted substances and its chemical symbols								
Unit	Lead (Pb)	Mercury (Hg)	Cadmium (C d)	Hexavalent c hromium(Cr+ 6)	Polybiphenyls (PBB)	Polybrominated Bi phenyl phenyl eth ers (PBDE)			
PCBs	_	0	0	0	0	0			
Metal Parts	_	0	0	0	0	0			
Plastic Parts	0	0	0	0	0	0			
Speakers	_	0	0	0	0	0			
Cables	_	0	0	0	0	0			

Note 1: "o" indicates that the percentage content of the restricted substance does not exceed the percentage o f reference values 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; "7" is 2007 or 2017. China Importer: Bose Electronics (Shanghai) Company Limited, Part C, Plant 9, No. 353 North Riying 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 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

UK Importer: Bose Limited, Bose House, Quayside Chatham Maritime, Chatham, Kent, ME4 4QZ, United Kingdom

Bose and DesignMax are trademarks of Bose Corporation.

Bose Corporation Headquarters: 1-877-230-5639

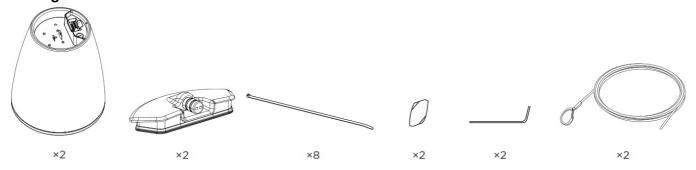
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Warranty Information

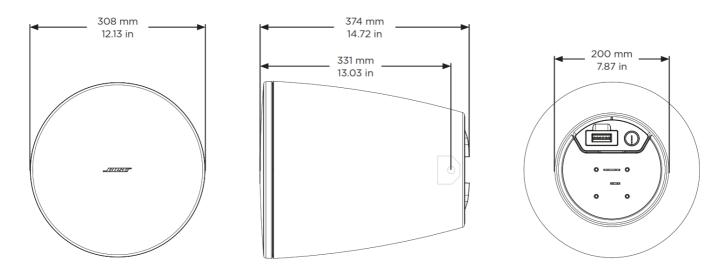
This product is covered by a limited warranty.

For warranty details, visit **PRO.BOSE.COM.**

Package Contents



Product Dimensions



Technical Specifications

For additional specifications, see the DesignMax DM6PE technical data sheet at **PRO.BOSE.COM.**

[Physical				
Product Dimensions	Bottom diameter: 308 mm (12.13 in)			
	Height: 374 mm (14.72 in)			
	Top diameter: 200 mm (7.87 in)			
Cable Dimensions	Length: 4.57 m (15.00 ft)			
	Diameter: 2 mm (0.08 in)			
Max Load (Safe Working Load) '	45.36 kg (100.0 lb)			
Net Weight, Loudspeaker (single)	5.66 kg (12.48 lb)			
Shipping Weight (pair)	15.01 kg (33.09 lb)			
Operating Temperature Range	-25 °C to 65 °C (-13 °F to 149 °F)			
Color	Black (similar to RAL 9005); White (similar to RAL 9003)			
Paintable	Choose a paint that is specifically designed for use with polypropylene (PP) plastics.			
Environmental	Rated for direct-exposure outdoor installations when used with included weather-resistant input cover (IP5 5 per EN60529).			

Always use the cable within its stated Safe Working Load. The included suspension cable has a Safe Working Load of 100 lbs.

Important Installation Information

Before installing the loudspeaker, review Important Safety Instructions on page 2.

Safety and Regulatory Compliance

The Bose DesignMax DM6PE loudspeaker has passed testing and complies with the following specifications and uses:

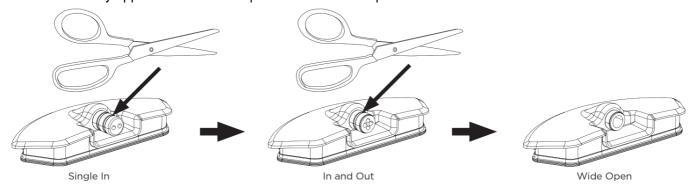
- Listed to ANSI/UL 1480A-2016, Speakers for Commercial & Safety Professional Use
- General-Purpose Use UL Category UEAY, File Number S5591 Control Number 3N89
- The DesignMax DM6PE is suitable for use outdoors in wet locations
- Suitable for installation using Class 1, Class 2, and Class 3 wiring methods in accordance with NFPA 70,
 National Electrical Code, 2017, Article 640

Setup

Preparing the Input Cover

The input cover is designed for three different wiring scenarios. To change the configuration of the input cover to support your wiring scenario, cut along the perforation on the rubber conduit.

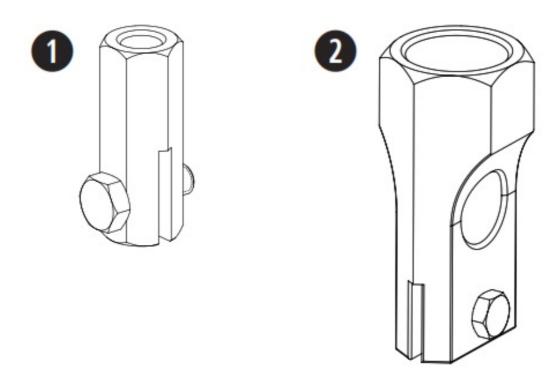
Note: Indoor-only applications do not require the use of the input cover.



Note: If using the wide-open rubber conduit configuration, it is the installer's responsibility to seal against water ingress into the Euroblock connector. Use outdoor or marine-grade silicone to seal all wiring connections to ensure a tight seal.

Installation Options and Accessories

- 1. Threaded Rod Adapter
- 2. Pendant Conduit Adapter



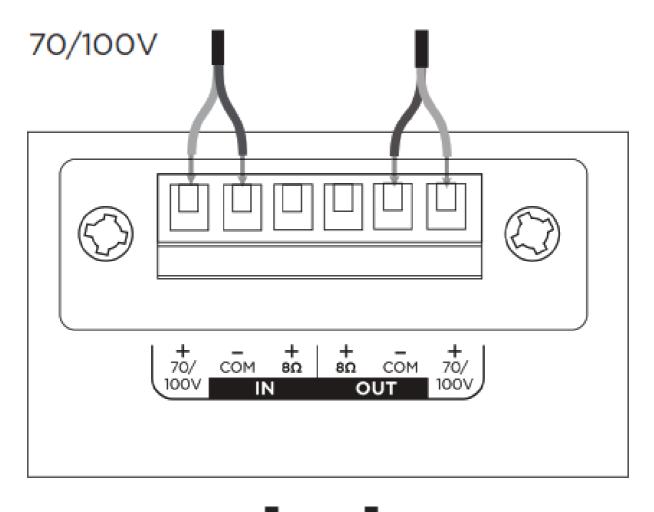
Wiring the Loudspeaker

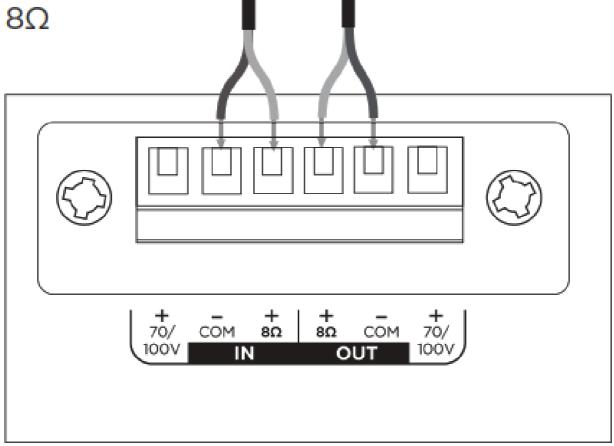
Wire Gauge

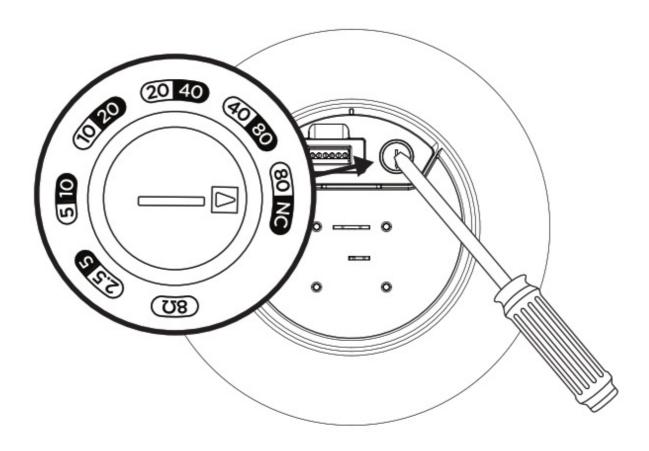
The DesignMax DM6PE loudspeaker is designed to work with 18 AWG (0.8 mm2) to 14 AWG (2.1 mm 2) size wire only.

Connection Diagrams

Expose six millimeters (1/4 inch) of the bare wire to attach to the terminals.







70V									
2.5W	5W	10W	20W	40W	80W*				
5W	10W	20W	40W	80W	NC**	8Ω			
100V									

^{*} Factory default

Transformer Tap Setting

Set tap by turning. Use a flat head screwdriver.

Preparing the Installation

Using a Safety Cable

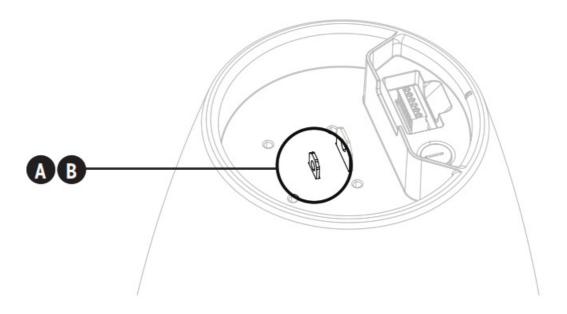
Some regional construction codes require the use of a secondary method of securing loudspeakers to support structures to provide additional safety. Choose a mounting

position, method, and hardware consistent with local building codes and regulations.

Bose recommends using (A) a safety wire or (B) a safety cable as a secondary securing mechanism (not included). See the diagram to the right for safety attachment points. The included suspension cable can be used as a safety cable when using the Threaded Rod Adapter or Pendant Conduit Adapter accessories.

Follow the manufacturer's instructions for any secondary securing mechanism implemented.

^{**} NC: No Connection (do not use)



Mounting the Loudspeaker

Before beginning installation, be sure to adjust your loudspeaker tap setting.

- 1. Insert the included suspension cable through the cable fastener and wrap the cable around a support structure; secure the cable using the cable fastener. Note: Arrows on the cable fastener indicate the cable direction.
 - A. To loosen the cable, insert the fastener tool into the release hole and adjust the cable.
- 2. Pull the loose end of the suspension cable to adjust the cable to the desired height.
- 3. Secure the cable clip to the center attachment point. Once you've reached the desired loudspeaker height, cut away any excess cable.

Note: Trim any frayed filaments with wire cutters after cutting to length.

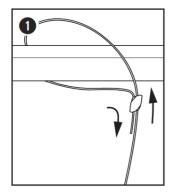
- 4. For installations where the loudspeaker may be exposed to water or condensation, insert the loudspeaker wiring through the rubber conduit of the input cover (see Preparing the Input Cover on page 4).
- 5. Remove the connector, wire the connector, and reinsert the connector into the loudspeaker. For wiring information, see Wiring the loudspeaker on page 4.
- 6. For installations where the loudspeaker may be exposed to water or condensation, place the input cover over the connector and press it firmly against the loudspeaker until fully seated into the input cover cavity to create a tight seal.

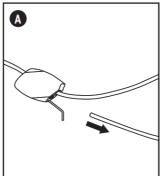
Note: Be sure the loudspeaker wire reaches the bottom of the enclosure recess to prevent water from running down the loudspeaker wire into the input cover.

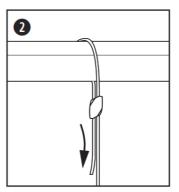
Use the included cable ties to secure the wiring to the suspension cable.

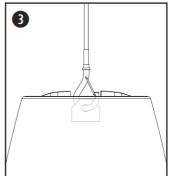
7. Rotate the grille so the logo is in an orientation suitable for your installation.

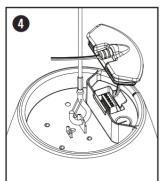
Note: Do not remove the grille unless painting. Logo can be removed from the grille by peeling away from the grille surface.

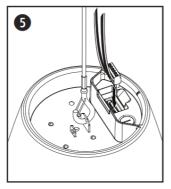


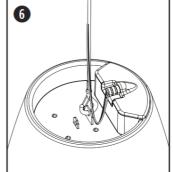


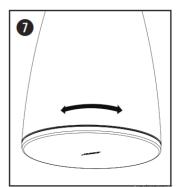














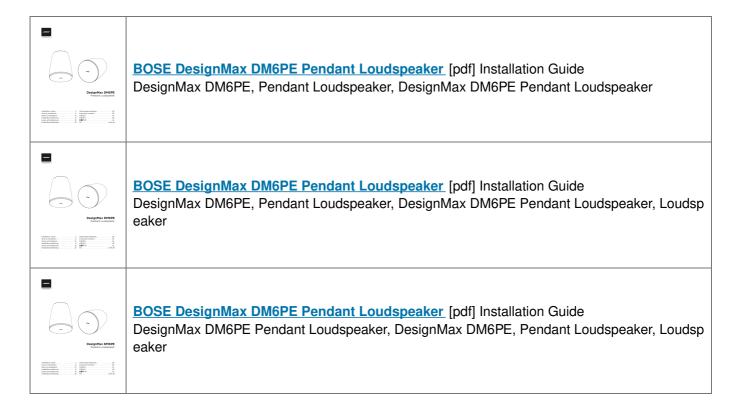
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Documents / Resources



References

- Bose Professional
- Bose European Union Regulatory and Compliance Information

Manuals+,