

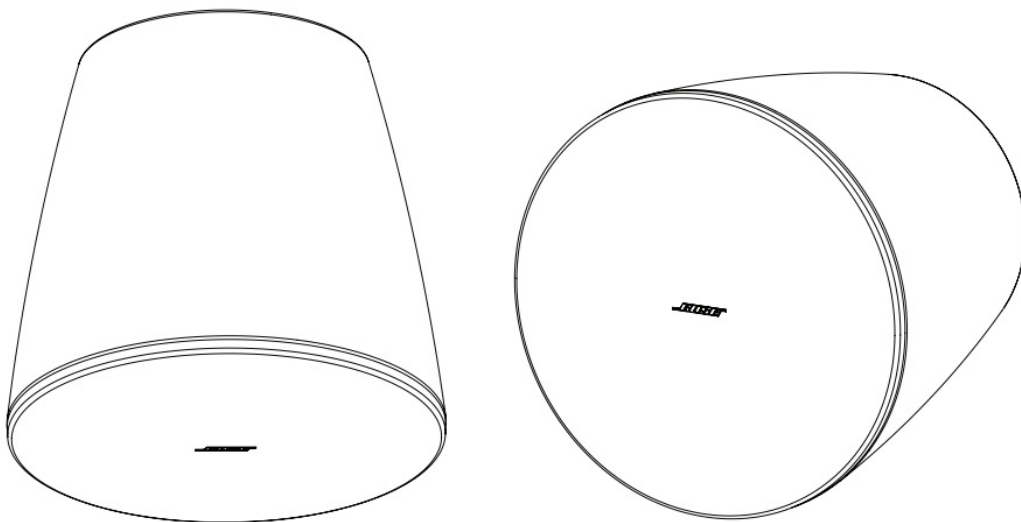


BOSE DesignMax DM10P-SUB Pendant Loudspeaker Installation Guide

[Home](#) » [Bose](#) » BOSE DesignMax DM10P-SUB Pendant Loudspeaker Installation Guide 



DesignMax DM10P-SUB
Pendant Loudspeaker



Installation Guide

Contents

- 1 Important Safety Instructions
- 2 Regulatory Information
- 3 Warranty Information
- 4 Overview
- 5 Technical Specifications
- 6 Safety and Regulatory Compliance
- 7 Installation Options and Accessories
- 8 Preparing the Installation
- 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 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.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produces heat.
9. 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.

- This product is intended for indoor use only.
- 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.

- 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 the product in locations where it may be exposed to water or condensation.
- 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 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 DM10P-SUB 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 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 for lifting, 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: 8 Ω , 250 W

Current or Power: (70V): 20W, 40W, 80W, 150W; (100V): 40W, 80W, 150W

Regulatory Information




This product conforms to all 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 (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. 0: 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: DesignMax DM10P-SUB, Type designation: 835265						
	Restricted substances and its chemical symbols					
Unit	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr+6)	Polybrominated Biphenyls (PBB biphenyl)	Polybrominated Biphenyl ethers (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: “0” 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; “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 Bose and DesignMax are trademarks of Bose Corporation.

Bose Corporation Headquarters: 1-877-230-5639

©2020 Bose Corporation. No part of this work may be reproduced, modified, distributed or otherwise used without prior written permission.

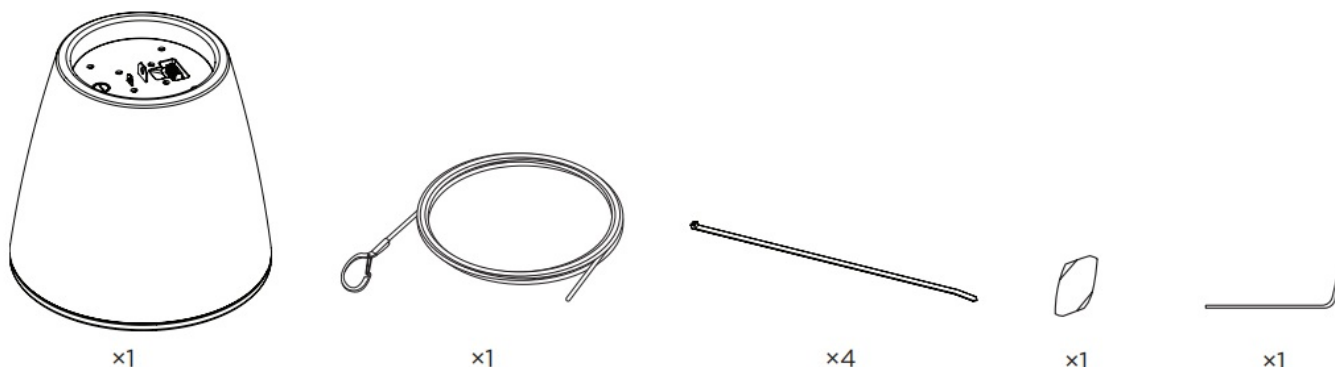
Warranty Information

This product is covered by a limited warranty.

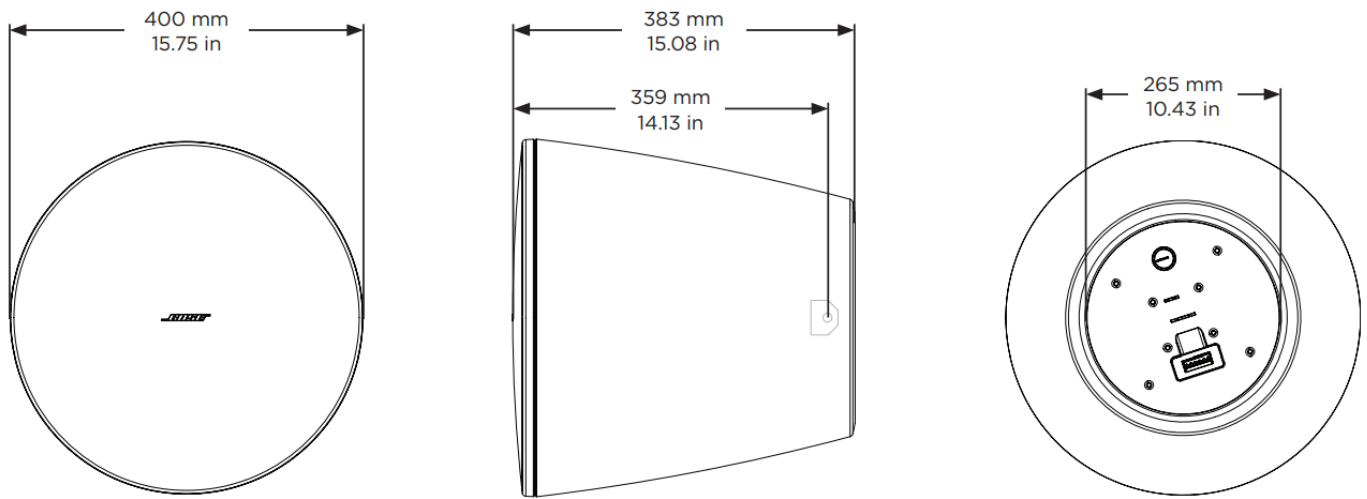
For warranty details, visit [PRO.BOSE.COM](https://www.pro.bose.com).

Overview

Package Contents



Product Dimensions



Technical Specifications

For additional specifications, see the DesignMax DM10P-SUB technical data sheet at [PRO.BOSE.COM](https://www.pro.bose.com).

Physical	
Product Dimensions	Bottom diameter: 400 mm (15.75 in)
	Height: 383 mm (15.08 in)
	Top diameter: 265 mm (10.43 in)
Cable Dimensions	Length: 4.57 m (15.00 ft)
	Diameter: 3.2 mm (0.125 in)
Max Load (Safe Working Load) ¹	90.72 kg (200.0 lb)
Net Weight, Loudspeaker	8.92 kg (19.67 lb)
Shipping Weight	12.65 kg (27.89 lb)
Operating Temperature Range	0 °C to 50 °C (32 °F to 122 °F)
Recommended High-pass Protection	40 Hz
Low-pass Filter (Bose Voicing)	100 Hz
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	Indoor Only

1. Always use the cable within its stated Safe Working Load. The included suspension cable has a Safe Working Load of 200 lbs.

Important Installation Information

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

Safety and Regulatory Compliance

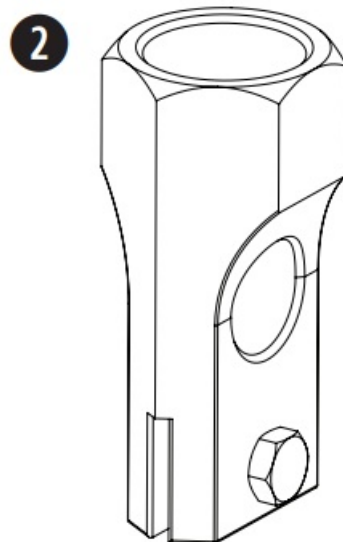
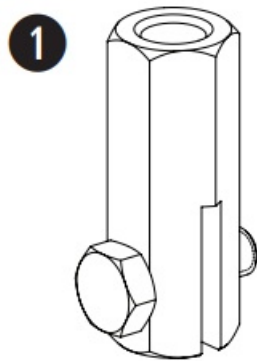
The Bose DesignMax DM10P-SUB loudspeaker has passed testing and complies with the following specifications and uses:

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

Setup

Installation Options and Accessories

1. Threaded Rod Adapter
2. Pendant Conduit Adapter



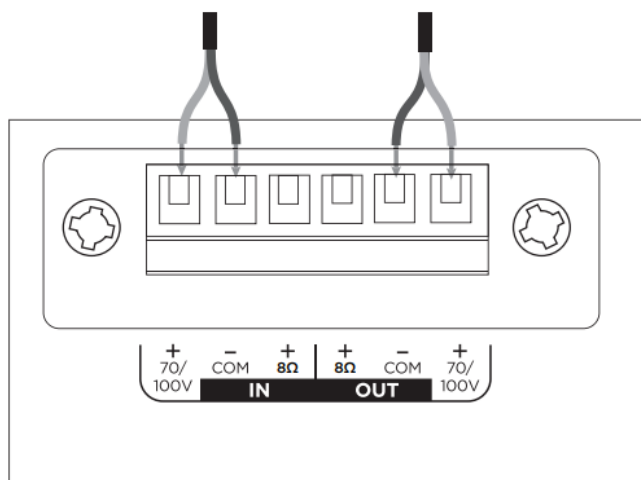
Wiring the Loudspeaker

Wire Gauge

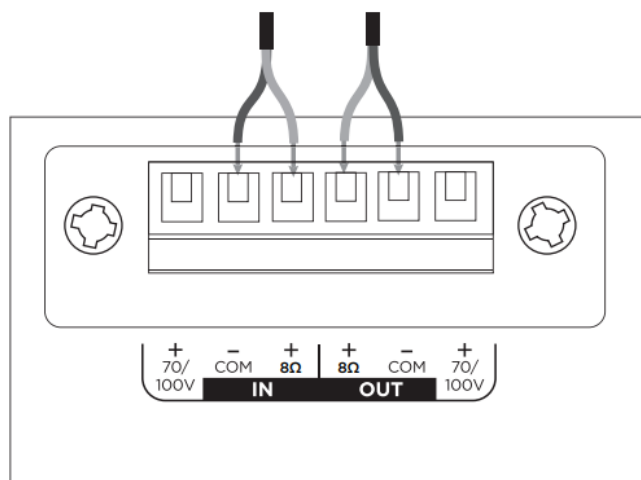
The DesignMax DM10P-SUB loudspeaker is designed to work with 18 AWG (0.8 mm²) to 14 AWG (2.1 mm²) size wire only.

Connection Diagrams

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

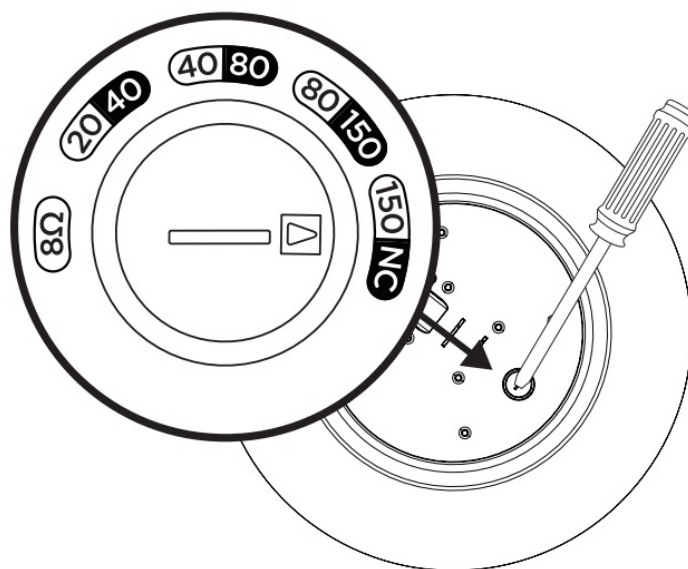


70/100V



8Ω

Loudspeaker Settings



70V			
40W	40W	80W	150W*
20W	80W	150W	NC**
100V			

* Factory default

** NC: No Connection (do not use)

Transformer Tap Setting

Set tap by turning. Use a flat head screwdriver.

Preparing the Installation

Using a Safety Cable

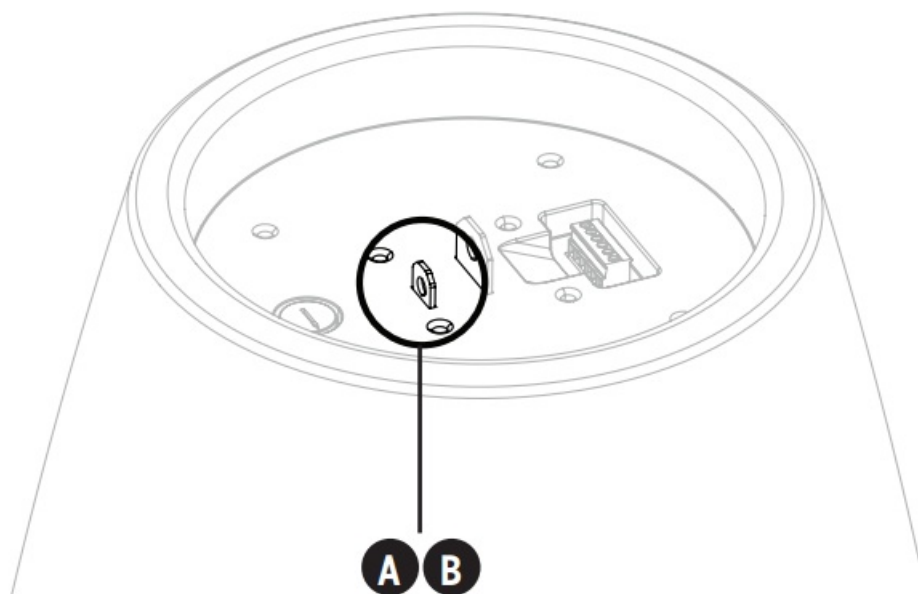
Some regional construction codes require the use of a secondary method of securing loudspeakers to support structures to provide additional safety. Choose a mounting position, method, and hardware consistent with local

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.



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.

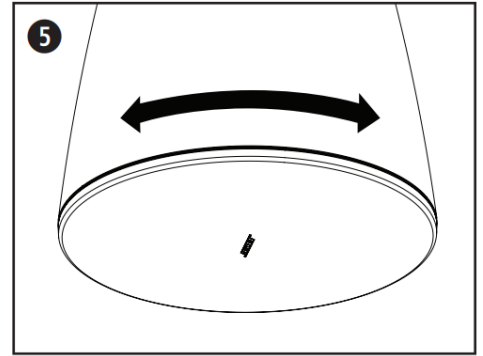
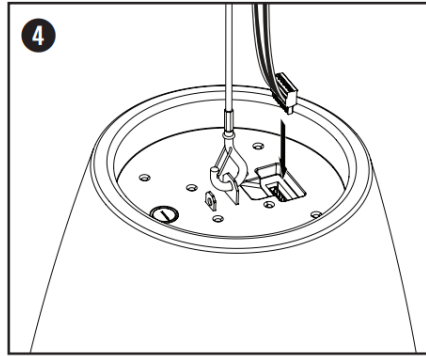
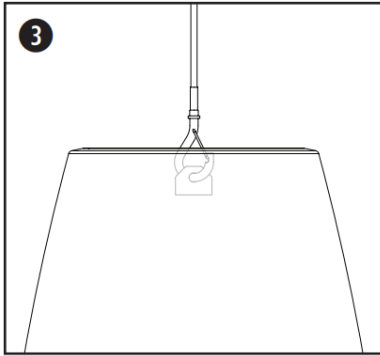
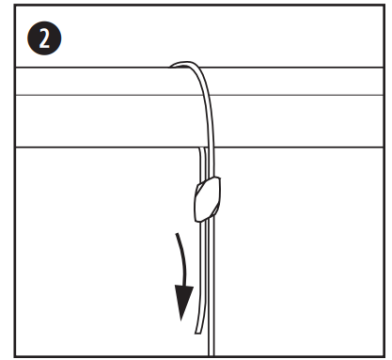
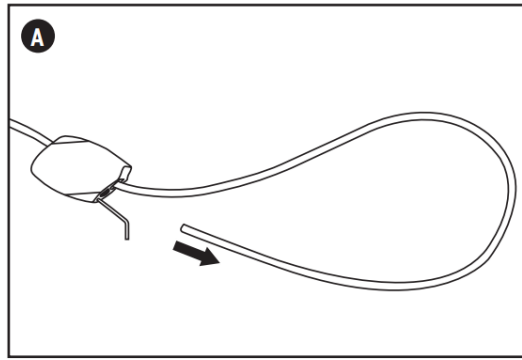
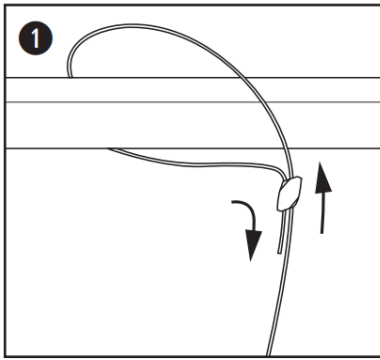
Note: Trim any frayed filaments with wire cutters after cutting to length.

4. Remove the connector, wire the connector, and reinsert the connector into the loudspeaker. For wiring information, see *Wiring the Loudspeaker* on page 4.

Note: If you intend to use a service loop, it can be stored in the loudspeaker recess at the top of the enclosure. Use the included cable ties to secure the wiring to the suspension cable.

5. 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 grille surface.



3538003







860914-0010

BOSE
PROFESSIONAL

©2020 Bose Corporation, All rights reserved.
Framingham, MA 01701-9168 USA
[PRO.BOSE.COM](https://www.pro.bose.com)
AM860914 Rev. 00
November 2020

Documents / Resources

  DesignMax DM10P-SUB Pendant Loudspeaker <table><tr><td>Model</td><td>DM10P-SUB</td></tr><tr><td>Power Rating (W)</td><td>100</td></tr><tr><td>Impedance (ohms)</td><td>16</td></tr><tr><td>Frequency Response (Hz)</td><td>40 - 20,000</td></tr><tr><td>Dimensions (H x W x D)</td><td>100 x 100 x 100</td></tr><tr><td>Weight (kg)</td><td>1.0</td></tr></table>	Model	DM10P-SUB	Power Rating (W)	100	Impedance (ohms)	16	Frequency Response (Hz)	40 - 20,000	Dimensions (H x W x D)	100 x 100 x 100	Weight (kg)	1.0	<p>BOSE DesignMax DM10P-SUB Pendant Loudspeaker [pdf] Installation Guide DesignMax DM10P-SUB, Pendant Loudspeaker, DesignMax DM10P-SUB Pendant Loudspeaker, Loudspeaker</p>
Model	DM10P-SUB												
Power Rating (W)	100												
Impedance (ohms)	16												
Frequency Response (Hz)	40 - 20,000												
Dimensions (H x W x D)	100 x 100 x 100												
Weight (kg)	1.0												
  DesignMax DM10P-SUB Pendant Loudspeaker <table><tr><td>Model</td><td>DM10P-SUB</td></tr><tr><td>Power Rating (W)</td><td>100</td></tr><tr><td>Impedance (ohms)</td><td>16</td></tr><tr><td>Frequency Response (Hz)</td><td>40 - 20,000</td></tr><tr><td>Dimensions (H x W x D)</td><td>100 x 100 x 100</td></tr><tr><td>Weight (kg)</td><td>1.0</td></tr></table>	Model	DM10P-SUB	Power Rating (W)	100	Impedance (ohms)	16	Frequency Response (Hz)	40 - 20,000	Dimensions (H x W x D)	100 x 100 x 100	Weight (kg)	1.0	<p>BOSE DesignMax DM10P-SUB Pendant Loudspeaker [pdf] Installation Guide DesignMax DM10P-SUB, Pendant Loudspeaker, DesignMax DM10P-SUB Pendant Loudspeaker, Loudspeaker</p>
Model	DM10P-SUB												
Power Rating (W)	100												
Impedance (ohms)	16												
Frequency Response (Hz)	40 - 20,000												
Dimensions (H x W x D)	100 x 100 x 100												
Weight (kg)	1.0												

References

-  [Bose Professional](#)
-  [Bose European Union Regulatory and Compliance Information](#)