MXP-6

Microflex® Pendant Passive Loudspeaker

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MXP-6 General Description

The MXP-6 is a pendant-style passive loudspeaker for speech and program reproduction in meeting rooms. Its sleek industrial design and choice of white or black finish make it ideal for use in rooms with open ceiling spaces.

The dual-driver architecture delivers full-fidelity premium audio reproduction, and the MXN-AMP power amplifier provides optimized presets for all MXP loudspeaker models as well as user-configurable EQ for each speaker output. A convenient switch on the rear of the MXP-6 allows for quick adjustment between 70/100V or 4-ohm operation.

Shure audio encryption keeps audio content protected between the MXN-AMP and other Shure Microflex Ecosystem devices in the room.

Important Safety Instructions

CAUTION: WHEN INSTALLING THIS PRODUCT INTO A CEILING OR BUILDING STRUCTURE, ALWAYS USE PROPER SUSPENSION AND RIGGING PRACTICES IN ACCORDANCE WITH YOUR AREA'S BUILDING CODES AND REGULATIONS.

FAILURE TO DO SO COULD RESULT IN PERSONAL INJURY, PROPERTY DAMAGE, OR BOTH.

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 dry cloth.
7. DO NOT block any ventilation openings. Allow sufficient distances for adequate ventilation and install in accordance with the manufacturer's instructions.
8. DO NOT install near any heat sources such as open flames, radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. Do not place any open flame sources on the product.
9. USE only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.


10. DO NOT expose the apparatus to dripping and splashing. DO NOT put objects filled with liquids, such as vases, on the apparatus.
11. To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
12. Do not attempt to modify this product. Doing so could result in personal injury and/or product failure.
13. Operate this product within its specified operating temperature range.

14. Follow local regulations and consult qualified personnel if the product installation or relocation requires construction work. Choose mounting hardware and an installation location that can support the weight of the product. Avoid locations subject to constant vibration. Use the required tools to install the product properly. Inspect the product periodically.

WARNING:

- Voltages in this equipment are hazardous to life. No user-serviceable parts inside. Refer all servicing to qualified service personnel. The safety certifications do not apply when the operating voltage is changed from the factory setting.
- If water or other foreign objects enter the inside of the device, fire or electric shock may result.

MXP-6 Parts
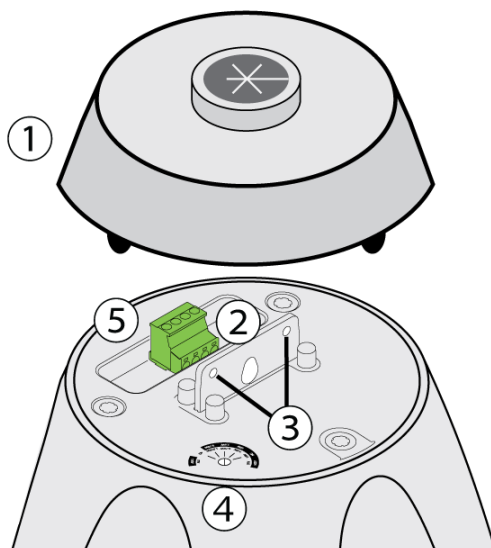
1. Back cover
2. Hanging tab
3. Secondary attachment points
4. Tap selector
5. Block connector

What's in the Box

- Loudspeaker with Shure logo pin
- 1 4-pin block connector

Specifications

Weight
5.5 lbs (2.5 kg)

Dimensions
10.96 x 9.06 x 9.06 in. (278.5 x 230.2 x 230.2 mm)

Connector Type

4-pin connector, 0.2 in. (5.08 mm) pitch

Coverage Angle

Average of 1 octave band centered on 4 kHz, IEC standard 60268-5 23.4

95°

Frequency Response

~90Hz – 20kHz

Nominal Impedance

4Ω

Maximum Input Power

IEC standard 60268-5

28W

Maximum SPL

at an RMS input level of 23 dBV

AES75 max linear sound levels: 98 dBz, 113 dbZpk, 97 dBA

Sensitivity

at 2.83 V/1m

93 db SPL

Operating Temperature Range

-7 to 40°C (19.4 to 104°F)

Storage Temperature Range

-29 to 74°C (-20 to 165°F)

Transformer Taps

| 70V	4Ω, 1.875 W, 3.75 W, 7.5 W, 15 W
100V	4Ω, 3.75 W, 7.5 W, 15 W

Install the Pendant Loudspeaker

To install, you will need:

- Loudspeaker wire*
- Metal suspension cable or other high-strength wire*
- Mounting hardware for metal cable*
- Screwdriver*

*Not included

1. Remove the loudspeaker's back cover. Adjust tap settings.

Important: Set the tap selector to the proper setting before connecting to an amplifier.
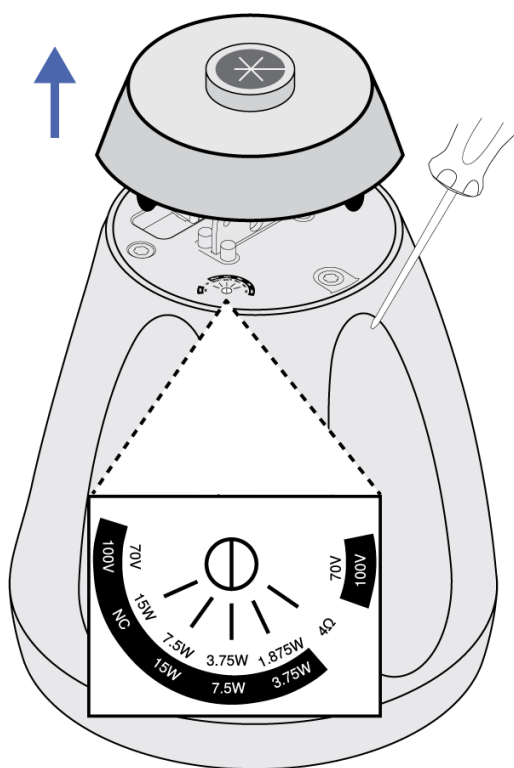
2. Attach suspension cable (not included) to a solid structural hanging point in the ceiling using appropriate hardware. Route the loudspeaker wire next to the suspension cable.
3. Thread the suspension cable and loudspeaker wire through the hole in the back cover.
4. Loop the suspension cable around the loudspeaker's hanging tab and route the loudspeaker wire through the block connector.
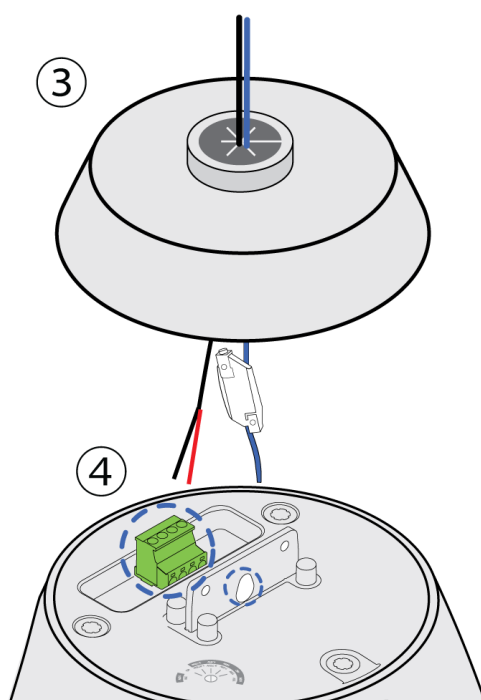
5. **For additional mounting security,** attach suspension cable to 1 of the loudspeaker's secondary attachment points and another attachment point on a solid structure in the ceiling. Follow any local regulations.
6. Press the back cover onto the loudspeaker.
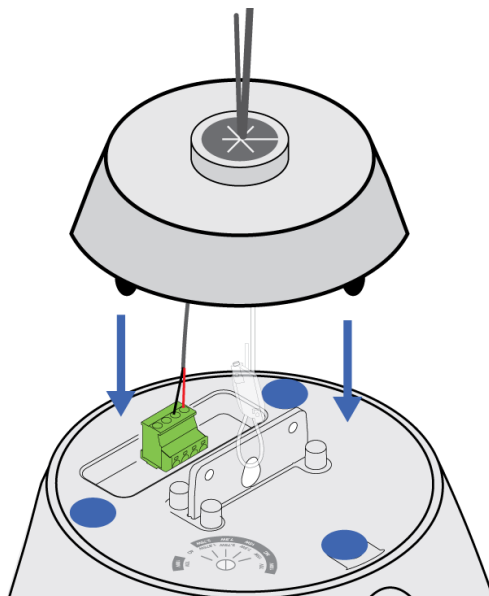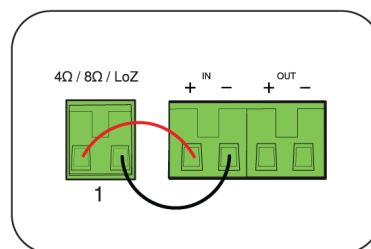

Connect the Loudspeaker to an Amplifier

To power loudspeakers, connect them to an amplifier. If you are connecting loudspeakers to the Shure MXN-AMP, choose the corresponding loudspeaker preset in the control software.

Connect Loudspeakers to MXN-AMP

Note: LoZ and 70V outputs can't be used at the same time. To switch output settings, adjust the settings in the control software or factory reset the amplifier.

Low Impedance Loudspeakers

To connect low impedance loudspeakers, use the LoZ outputs. You can add up to 4 loudspeakers, 1 for each output. Wire positive to positive and negative to negative.
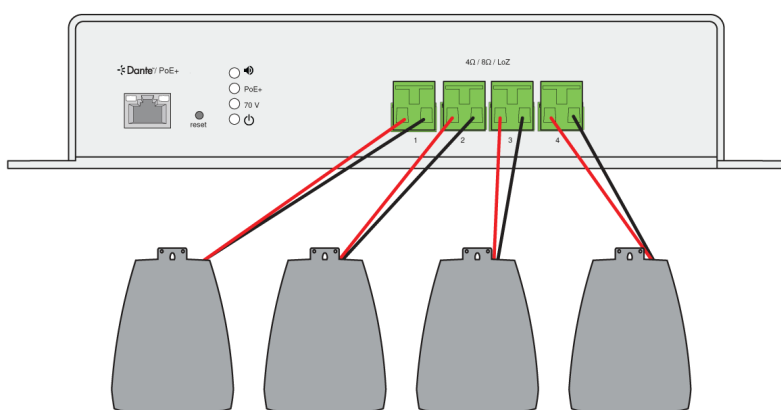
70-Volt Loudspeakers

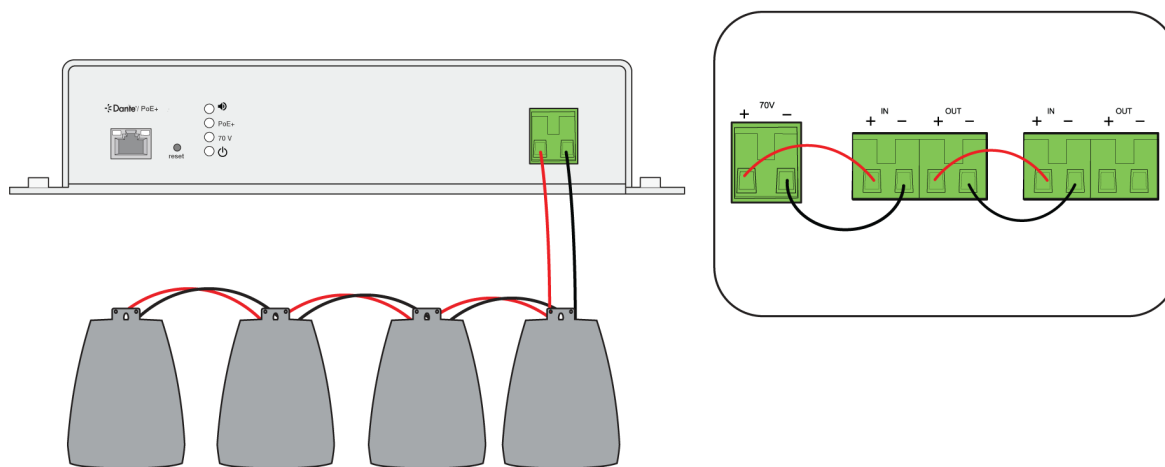To connect 70V loudspeakers, use the 70V output.

1. Adjust the tap settings on your loudspeakers. (See more on choosing tap settings.)
2. Wire the amplifier to the first loudspeaker, positive to positive and negative to negative.
3. Wire remaining loudspeakers in parallel, positive to positive and negative to negative.

Choose between LoZ and 70V Loudspeaker Applications

Your loudspeaker can be used in either low impedance or 70V applications. To choose what's best for you, consider the following:

LoZ:

- Good for shorter cable runs and high-performance, individual/zoned sound reinforcement, and voice lift applications such as small to medium conferencing spaces.
- Often connected individually to an amplifier channel, offering customization and control for each loudspeaker.

70V:

- Good for longer cable runs and applications such as large-scaled systems with distributed audio and restaurants.
- Usually, multiple 70V loudspeakers are wired in parallel. This allows for many loudspeakers on the line, ease of setup, and future development or replacement.
- Multiple tap settings let you set how much power your loudspeakers receive.

Select Tap Settings

In 70V applications, you may want to adjust tap settings on your loudspeakers. Tap settings determine how much power is supplied to each loudspeaker. A higher tap setting draws more power and increases your loudspeaker's output. A lower tap setting draws less power and decreases your loudspeaker's output.

For example, an amplifier with 50W of output can power:

- 1 loudspeaker tapped at 50W
- Up to 50 loudspeakers tapped at 1W

Important: Make sure the power required by your loudspeakers doesn't exceed the amount your amplifier can supply.

Troubleshoot Shure MXP Loudspeakers

Troubleshooting

Problem	Solution
No sound	Check cables and connections. Make sure your loudspeaker is connected to your amp and that your amp is plugged in, powered on, and routed correctly. Make sure the amp is not muted in the control software.
Audio clipped, distorted, humming, buzzing, uneven, or too soft.	Check cables and connections. Make sure your loudspeaker is connected to your amp and that your amp is plugged in, powered on, and routed correctly. Reduce amp gain. Check the quality of your audio source. Make sure other electrical devices aren't interfering with your audio setup. On MXP-5 or MXP-6, check the tap settings on your loudspeaker.
Not enough bass/treble	Adjust EQ of the MXN-AMP in the control software. Make sure the preset for your loudspeaker is selected on the Outputs page.

Additional Resources

- Shure Knowledge Base FAQs
- MXN-AMP PoE-Powered Amplifier User Guide
- MXN-AMP Command Strings
- Shure Enterprise Networking Troubleshooting Checklist
- Training from the Shure Audio Institute
- Shure Systems YouTube channel

Important Product Regulatory Information

CE Notice

Hereby, Shure Incorporated declares that this product with CE Marking has been determined to be in compliance with European Union requirements.

The full text of the EU declaration of conformity is available at the following site: https://www.shure.com/en-EU/support/declarations-of-conformity.

UKCA Notice

Hereby, Shure Incorporated declares that this product with UKCA Marking has been determined to be in compliance with UKCA requirements.

The full text of the UK declaration of conformity is available at the following site: https://www.shure.com/en-GB/support/declarations-of-conformity.

Environmental Regulatory Information

Waste Electrical and Electronic Equipment (WEEE) Directive

In the European Union and the United Kingdom, this label indicates that this product should not be disposed of with household waste. It should be deposited at an appropriate facility to enable recovery and recycling.

Registration, Evaluation, Authorization of Chemicals (REACH) Directive

REACH (Registration, Evaluation, Authorization of Chemicals) is the European Union (EU) and the United Kingdom (UK) chemical substances regulatory framework. Information on substances of very high concern contained in Shure products in a concentration above 0.1% weight over weight (w/w) is available upon request.

Recycling Information

Please consider the environment, electric products and packaging are part of regional recycling schemes and do not belong to regular household waste.

部件名称	有害物质									
	Pb	Cd	Hg	Cr(VI)	PBB	PBDE	DBP	BBP	DIBP	DEHP
电路模块	X	O	O	O	O	O	O	O	O	O
金属模块	X	O	O	O	O	O	O	O	O	O
线缆及其组件	X	O	O	O	O	O	O	O	O	O
电源适配器*	X	O	O	O	O	O	O	O	O	O
锂电池组*	X	O	O	O	O	O	O	O	O	O

注1: O: 表示该有害物质在该部件所有均质材料中的含量均不超出电器电子产品有害物质限制使用国家标准要求。
X: 表示该有害物质至少在该部件某一均质材料中的含量超出电器电子产品有害物质限制使用国家标准要求。
注2: 本产品大部分的部件采用无害的环保材料制造，含有有害物质的部件皆因全球技术发展水平的限制而无法实现有害物质的替代。
注3: 以上未列出的部分,表明其有害物质含量均不超出电器电子产品有害物质限制使用国家标准要求
*:表示如果包含部分

Certification and Compliance Markings