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Electro-Voice PXM-12MP

Electro-Voice PXM-12MP 12-Inch 700W Class-D Powered Coaxial Monitor Speaker Instruction Manual

Brand: Electro-Voice | Model: PXM-12MP

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1. INTRODUCTION

The Electro-Voice PXM-12MP is a dedicated portable loudspeaker system designed to provide musicians, DJs, and audio engineers convenient and powerful monitoring and playback functionality. This manual provides essential information for the safe and effective use of your PXM-12MP monitor speaker.

2. KEY FEATURES

- A dedicated portable loudspeaker system designed to provide musicians, DJs, and audio engineers convenient and powerful monitoring and playback functionality.
- With a solid, consistent 90° x 90° coverage pattern and 12" / 1.75" coaxial driver, hear any mix clearly without constraining it to a limited part of the stage.
- The 55° monitoring angle enables users to stand as close or as far away from the system as necessary without sacrificing audio intelligibility.
- With a dedicated subwoofer and the adjustable subwoofer matching LPFs of the PXM-12MP, a full 3-way system can be configured to create an extremely compact main PA.
- The integrated mixing section provides 3 input channels: 2x XLR / 1/4" combination connectors and a stereo RCA input.
- The DSP offers 4 EQ presets, high and low shelving, parametric midrange EQs, adjustable low-cut filters, a tunable feedback notch filter, and recallable user settings.
- The Class-D 700W amplifier meets the most demanding monitoring needs, and system protection and limitation ensures it plays loudly and consistently even at the edge of its specifications.

3. SETUP

Proper setup is crucial for optimal performance and safety. Follow these steps to prepare your PXM-12MP monitor speaker for use.

3.1 Unpacking and Inspection

Carefully remove the speaker from its packaging. Inspect for any signs of damage during transit. Retain packaging for future transport or storage.

3.2 Placement Options

The PXM-12MP offers versatile placement options:

- **Floor Monitor:** Place the speaker directly on the stage floor at the desired monitoring angle (55°).
- **Pole Mount:** Utilize the integrated pole mount at the front for use as a main PA, fills, or delays. Ensure the pole mount is securely fastened to a stable speaker stand.



Side view highlighting the integrated pole mount for versatile placement.

3.3 Connecting Audio Sources

The rear panel of the PXM-12MP features a comprehensive mixing section for various audio inputs.



Rear panel showing input/output connections.

- **Inputs 1 & 2:** Use XLR or 1/4" combination connectors for microphones or line-level instruments.
- **Input 3:** Use the stereo RCA input for connecting music sources like media players or DJ controllers.
- **Mix Out:** An XLR output allows you to send the mixed signal to another PXM-12MP unit or a main PA system.
- **Thru:** An XLR output provides a direct pass-through of Input 1, useful for sending a clean signal to a mixing console.

3.2 Power Connection

Connect the provided power cable to the AC inlet on the rear panel and then to a suitable power outlet. Ensure the power switch is in the OFF position before connecting.

This video provides an overview of the Electro-Voice PXM-12MP 12-inch Powered Coaxial Monitor, demonstrating its features and connectivity options for various audio setups.

4. OPERATING INSTRUCTIONS

Familiarize yourself with the control panel to effectively operate your PXM-12MP speaker.



Detailed view of the control panel, including DSP navigation and input controls.

4.1 Powering On/Off

Flip the power switch on the rear panel to the ON position. The front LED will illuminate to indicate power. Always turn off the speaker when not in use.

4.2 Adjusting Input Levels

Each input channel (Input 1, Input 2, Input 3) has an independent gain control. Adjust these knobs to achieve an optimal signal level without clipping. The LED indicators next to the knobs will help monitor signal presence and clipping.

4.3 DSP Control

The PXM-12MP features an integrated DSP with a clear LCD screen and a master volume/DSP navigation knob. Press the master volume knob to access the DSP menu.

- **EQ Presets:** Select from 4 optimized EQ presets for various applications.
- **High/Low Shelving:** Adjust high and low frequencies to tailor the sound.
- **Parametric Midrange EQs:** Fine-tune specific midrange frequencies.
- **Adjustable Low-Cut Filters:** Remove unwanted low-frequency rumble.
- **Tunable Feedback Notch Filter:** Helps eliminate feedback frequencies.
- **Recallable User Settings:** Save and recall your custom settings for quick setup.

4.4 Master Volume

Use the Master Volume knob to control the overall output level of the speaker. Adjust to a comfortable listening level.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your PXM-12MP speaker.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the speaker. Avoid abrasive cleaners or solvents.
- **Grille Care:** Periodically check the steel grille for any debris or dust accumulation. Use a soft brush or vacuum cleaner to gently remove it.
- **Storage:** When not in use, store the speaker in a dry, cool environment, ideally in its original packaging or a protective cover.
- **Handling:** Always use the integrated handles for lifting and transporting the speaker. Avoid dropping or subjecting it to harsh impacts.

6. TROUBLESHOOTING

If you encounter issues with your PXM-12MP, refer to the following common troubleshooting steps:

- **No Sound:**

- Ensure the speaker is powered on and the power LED is illuminated.
- Check all audio cable connections (input and output) for secure fit.
- Verify input gain and master volume levels are not set to minimum.
- Test with a different audio source and cable to rule out external equipment issues.

- **Distorted Sound:**

- Reduce input gain levels if the clip indicator LEDs are flashing frequently.
- Lower the master volume.
- Check the audio source for distortion.

- **Feedback:**

- Adjust the tunable feedback notch filter in the DSP menu.
- Reposition microphones or the speaker to reduce feedback.
- Lower microphone gain.

- **Intermittent Sound:**

- Inspect all cables for damage or loose connections.
- Ensure power supply is stable.

If problems persist, contact Electro-Voice customer support.

7. SPECIFICATIONS

Feature	Detail
Model Name	PXM 12MP
Speaker Type	Coaxial
Speaker Size	12 Inches
Woofer Diameter	12 Inches
Audio Driver Type	Dynamic Driver
Audio Driver Size	44.45 Millimeters
Speaker Maximum Output Power	700 Watts
Frequency Response	20 KHz

Mounting Type	Coaxial, Freestanding
Special Feature	Portable
Color	Black
Material	Metal, Paper
Product Dimensions	17"D x 22"W x 17"H
Item Weight	29.8 Pounds
Connectivity Technology	RCA
Audio Output Mode	Stereo
Control Method	Touch
Included Components	Monitor



Product dimensions for planning placement and transport.

8. WARRANTY AND SUPPORT

The Electro-Voice PXM-12MP comes with a Limited Warranty. For specific details regarding warranty coverage, please refer to the documentation included with your product or visit the official Electro-Voice website.

For technical support, service, or additional product information, please visit the [Electro-Voice Store](#) or contact their customer service department.

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