

Electro-Voice ZX1-90

Electro-Voice ZX1-90 8" 200W 2-Way Compact Full Range Passive Loudspeaker User Manual

Model: ZX1-90

INTRODUCTION

The Electro-Voice ZX1-90 is an 8-inch, 200W, 2-way compact full-range passive loudspeaker designed for versatile sound reinforcement applications. This manual provides essential information for the safe and efficient setup, operation, and maintenance of your ZX1-90 loudspeaker. Please read this manual thoroughly before using the product.

SAFETY INFORMATION

Always observe the following safety precautions to prevent damage to the loudspeaker or injury to personnel:

- **Power Handling:** Do not exceed the rated power handling of 200W to prevent damage to the speaker components.
- **Mounting:** Ensure all mounting hardware and structures are capable of safely supporting the weight of the loudspeaker. Follow all local building codes and regulations.
- **Cabling:** Use appropriate gauge speaker cables and ensure secure connections to avoid short circuits or signal loss.
- **Environment:** While the enclosure is inherently water resistant, avoid direct exposure to heavy rain or extreme moisture. Do not operate in excessively hot or cold environments.
- **Hearing Protection:** Prolonged exposure to high sound pressure levels can cause permanent hearing damage. Use hearing protection when operating the loudspeaker at high volumes.

PACKAGE CONTENTS

Verify that all items are present in the package:

- Electro-Voice ZX1-90 8" 200W 2-Way Compact Full Range Passive Loudspeaker (1 unit)

SETUP

Mounting Options

The ZX1-90 loudspeaker offers several mounting configurations for various applications:

- **Pole Mount:** The enclosure features an integrated pole mount for stand-alone applications using a standard speaker pole.
- **Wedge Angle:** The design allows for use as a stage monitor, positioning the speaker at an optimal angle for performers.
- **Vent Mounting:** Specific mounting points are available for secure installation. Consult a qualified installer for permanent installations.



Figure 1: Electro-Voice ZX1-90 loudspeaker, illustrating its compact design and integrated pole mount.

Connectivity

The ZX1-90 is a passive loudspeaker and requires an external amplifier. Connect the loudspeaker to a suitable amplifier using high-quality wired speaker cables. Ensure the amplifier's output impedance matches the loudspeaker's impedance for optimal performance and to prevent damage.

OPERATING

Basic Operation

Once connected to an amplifier, the ZX1-90 delivers full-range audio. Adjust the amplifier's volume and equalization settings to achieve the desired sound. The loudspeaker features full-bandwidth overload protection, ensuring reliable, long-term operation without audible distortion, even under demanding conditions.

Coverage Flexibility

The ZX1-90 offers a 90°x 50° coverage pattern. The horn can be rotated, allowing for either horizontal or vertical use to optimize coverage for your specific application. This flexibility ensures consistent sound distribution whether the speaker is used upright or on its side.

MAINTENANCE

General Care

The ZX1-90 features a molded high-impact polymer enclosure that is extremely durable and inherently water resistant. To maintain its condition:

- Clean the enclosure with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- Regularly inspect speaker grilles for any debris or damage.
- Ensure all connections remain secure.
- Store the loudspeaker in a dry, temperate environment when not in use.

TROUBLESHOOTING

If you encounter issues with your ZX1-90 loudspeaker, consider the following basic troubleshooting steps:

- **No Sound:** Check all cable connections from the amplifier to the loudspeaker. Ensure the amplifier is powered on and functioning correctly. Verify the audio source is active.
- **Distorted Sound:** Reduce the input level to the amplifier. Check for damaged cables or connectors. Ensure the amplifier is not overdriven.
- **Intermittent Sound:** Inspect all connections for looseness. Check for damaged cables.
- **Low Volume:** Confirm the amplifier's output level is appropriate. Check the impedance matching between the amplifier and loudspeaker.

If problems persist, consult a qualified audio technician or contact Electro-Voice customer support.

SPECIFICATIONS

Brand	Electro-Voice
Model Name	ZX1-90
Model Number	ZX190
Speaker Type	Woofer, Full Range

Speaker Size	8 Inches
Woofer Diameter	8 Inches
Tweeter Diameter	1 Inches
Speaker Maximum Output Power	200 Watts
Connectivity Technology	Wired
Audio Output Mode	Mono
Number of Audio Channels	2.0
Mounting Type	Pole mount, Wedge
Enclosure Material	Plastic, Fabric/Kevlar (Cone)
Color	Black
Water Resistance Level	Water Resistant
Specific Uses For Product	Commercial, Compact Sound Reinforcement
Item Dimensions (D x W x H)	12"D x 19"W x 13"H
Power Source	Corded Electric
Compatible Devices	Laptop, MP3 Player, Smartphone, Tablet, Television

WARRANTY

The Electro-Voice ZX1-90 loudspeaker comes with a **5-year limited warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For full terms and conditions, refer to the official Electro-Voice warranty documentation or contact customer support.

SUPPORT

For further assistance, technical support, or service inquiries, please visit the official Electro-Voice website or contact their customer service department. You can also find more information and products at the [Electro-Voice Store on Amazon](#).