

Pyle PH391

Pyle PH391 4x10 Inch Horn Tweeter Speaker

Instruction Manual

1. INTRODUCTION

Welcome to the Pyle PH391 Horn Tweeter Speaker instruction manual. This guide provides essential information for the proper installation, operation, and maintenance of your new audio component. Please read this manual thoroughly before use to ensure optimal performance and longevity of your speaker.

The Pyle PH391 is a 4x10 inch compression horn tweeter designed to enhance the high-frequency audio output of your sound system, delivering clear and crisp sound reproduction.

2. KEY FEATURES

- **High Power Output:** Maximum 200-watt peak power for robust sound.
- **Wide Frequency Response:** 1kHz - 15kHz range for detailed high-frequency audio.
- **Optimal Impedance:** 8 Ohm impedance rating helps reduce distortion.
- **Durable Voice Coil:** Features a 25mm voice coil, standard for car stereo systems.
- **Strong Magnet Structure:** Equipped with a 20 oz magnet structure and heavy-duty housing for stability and performance.
- **Compact Dimensions:** Total dimensions measure 4.3" H x 10.6" W x 8.25" D for easy integration.

200W MAX POWER RATING



Image: Pyle PH391 Horn Tweeter highlighting its 200W maximum power rating.

3. SETUP AND INSTALLATION

3.1 Unpacking

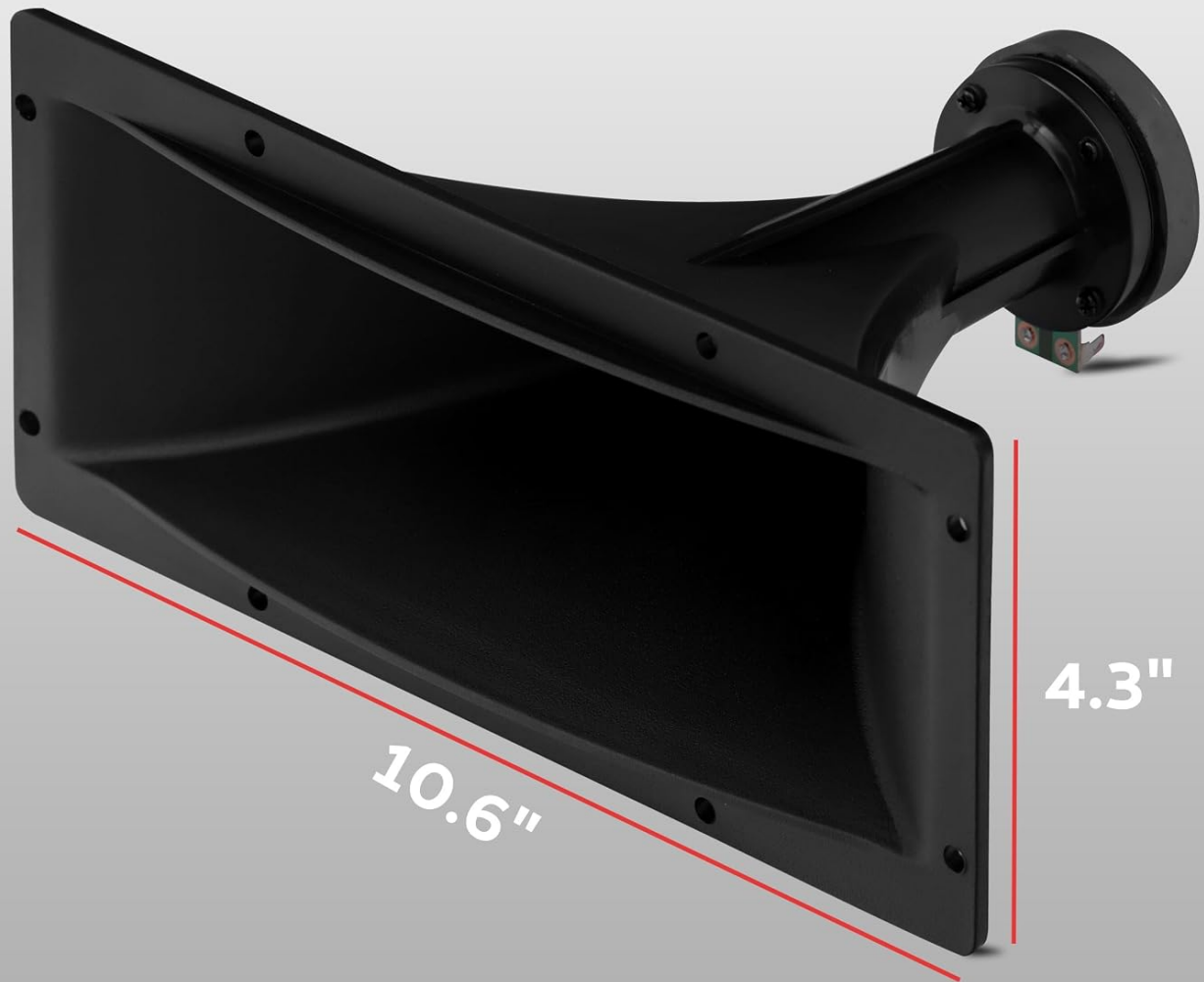
Carefully remove the Pyle PH391 horn tweeter from its packaging. Ensure all components are present and undamaged. The package should contain one speaker unit.

3.2 Mounting Considerations

The tweeter's dimensions are approximately 4.3 inches (H) x 10.6 inches (W) x 8.25 inches (D). Plan your mounting location to ensure adequate space and secure attachment. The horn design requires sufficient depth for proper installation.



DIMENSION



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Image: Pyle PH391 Horn Tweeter illustrating its physical dimensions.

3.3 Wiring Connections

Connect the tweeter to your audio amplifier or crossover network. Observe correct polarity: the positive (+) terminal of the tweeter should connect to the positive output of your amplifier/crossover, and the negative (-) terminal to the negative output. The positive terminal is typically marked with a red paint on the tab.

Important: Tweeters are designed to reproduce high frequencies. It is crucial to use an appropriate crossover (passive or active) to filter out low frequencies (bass) from reaching the tweeter. Connecting the tweeter directly to a full-range amplifier output without a crossover can cause damage to the tweeter.



Image: Pyle PH391 Horn Tweeter, showing the rear connection terminals for wiring.

4. OPERATION

Once properly installed and connected, your Pyle PH391 horn tweeter will integrate with your existing audio system to reproduce high-frequency sounds. Adjust your amplifier's gain and crossover settings to achieve a balanced sound profile, ensuring the tweeter complements your mid-range and bass speakers without overpowering them.

Avoid operating the system at excessively high volumes for prolonged periods, as this can lead to listener fatigue and potential damage to audio components.

DYNAMIC PERFORMANCE



Image: A speaker system featuring an integrated Pyle horn tweeter, illustrating its role in dynamic audio performance.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to gently wipe the surface of the tweeter. Avoid using harsh chemicals or abrasive cleaners.
- **Environment:** Keep the tweeter in a dry environment, away from direct sunlight, extreme temperatures, and excessive moisture.
- **Inspection:** Periodically check wiring connections to ensure they are secure and free from corrosion.

6. TROUBLESHOOTING

- **No Sound:**
 - Check all wiring connections for proper polarity and secure contact.
 - Ensure the amplifier is powered on and functioning correctly.
 - Verify that the audio source is playing and connected properly.

- Confirm that the crossover settings are not completely blocking the high frequencies.

• **Distorted Sound:**

- Reduce the volume level on your amplifier or head unit.
- Check crossover settings; ensure low frequencies are adequately filtered from the tweeter.
- Inspect wiring for any shorts or loose connections.
- Ensure the amplifier is not overdriven.

• **Weak or Muffled Sound:**

- Check for incorrect polarity in wiring connections.
- Adjust amplifier and crossover settings to increase high-frequency output.

7. SPECIFICATIONS

Feature	Specification
Model Number	PH391
Speaker Type	Horn Tweeter
Maximum Power Output	200 Watts (Peak)
Frequency Response	1 kHz - 15 kHz
Impedance	8 Ohm
Sensitivity	102 dB/w/m
Voice Coil Size	25mm
Magnet Structure	20 oz
Product Dimensions (H x W x D)	4.3" x 10.6" x 8.25"
Item Weight	1 pound (approx. 0.45 kg)
Color	Black

((o)) dB SPECIFICATIONS

Sensitivity:

102dB @ 1W/1M

Frequency Response:

1kHz - 15kHz

Voice Coil Size:

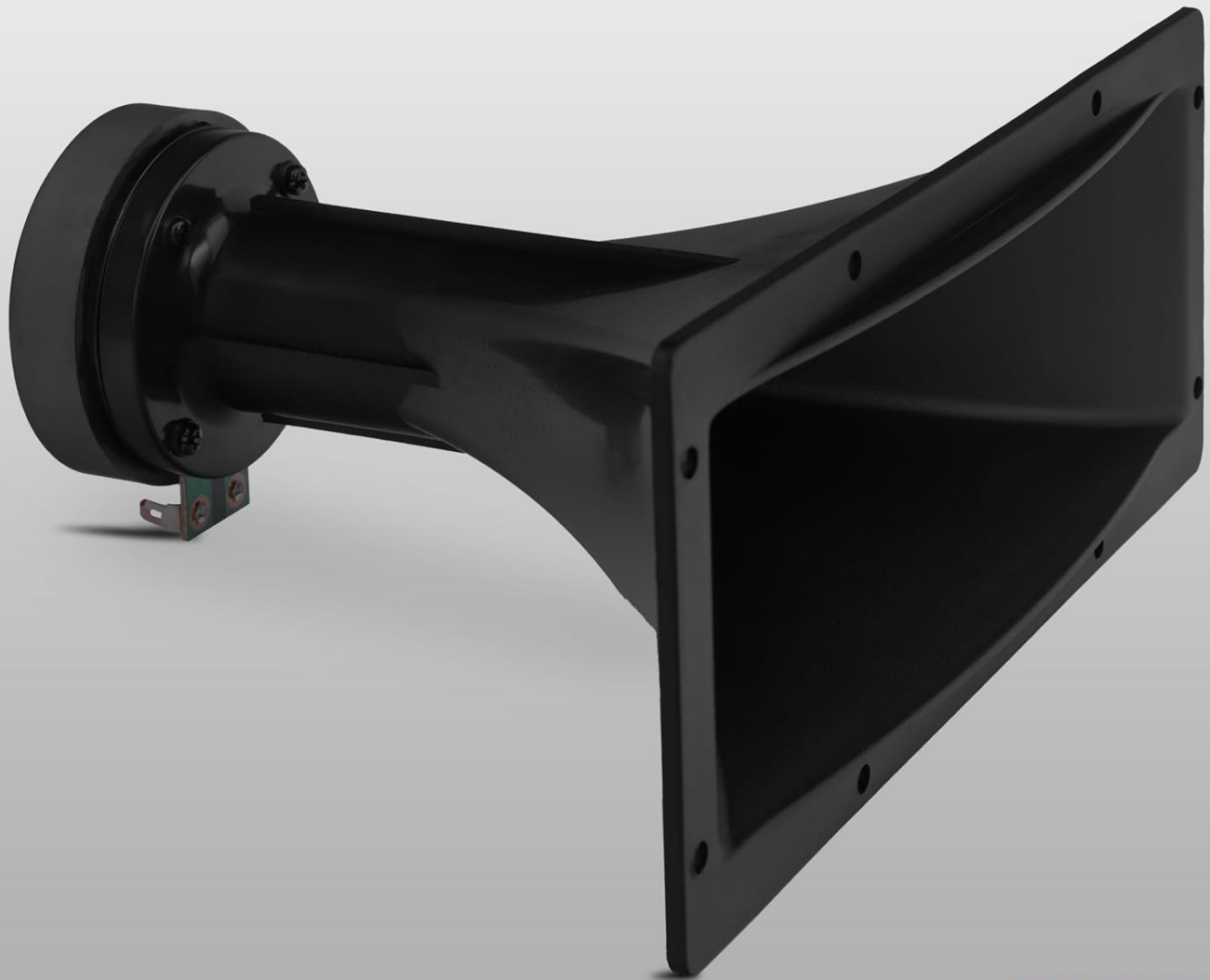
25mm



Image: Pyle PH391 Horn Tweeter detailing its dB specifications.



8 OHMS IMPEDANCE



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Image: Pyle PH391 Horn Tweeter emphasizing its 8 Ohm impedance rating.

8. WARRANTY AND SUPPORT

The Pyle PH391 Horn Tweeter Speaker comes with a **1-year limited warranty** from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use.

For warranty claims, technical support, or any questions regarding your product, please contact Pyle customer support. Refer to the official Pyle website for the most current contact information.

9. SAFETY INFORMATION

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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