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CT Sounds TROPO8-4

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8-inch Shallow Mount Midrange Speaker Instruction Manual

Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your CT Sounds TROPO8-4 8-inch Shallow Mount Midrange Speaker. Please read these instructions thoroughly before installation and retain this manual for future reference.



Front view of the CT Sounds TROPO8-4 8-inch Shallow Mount Midrange Speaker.

What's in the Box

- One (1) CT Sounds TROPO8-4 8-inch Shallow Mount Midrange Speaker

Key Features

- 8-inch single 4 ohm shallow midrange speaker design.
- Power handling: 200 Watts RMS | 400 Watts MAX.
- Sensitivity: 95 dB.
- Frequency response: 120 Hz - 5,000 Hz.
- Impedance: Single 4-Ohm.
- Features a 1.5-inch CCAW voice coil for optimal performance at middle to high frequencies.
- Shallow mount basket design for compatibility with factory 8-inch speaker slots.

Setup and Installation

Proper installation is crucial for optimal performance and longevity of your speaker. If you are unsure about any steps, consult a professional car audio installer.

Mounting

The TROPO8-4 speaker features a shallow mount design, allowing it to fit into many factory 8-inch speaker locations without extensive modification. Ensure the mounting surface is flat and secure.

- Measure the available depth and diameter in your vehicle's speaker location to confirm compatibility.
- Use the provided mounting screws to secure the speaker firmly. Avoid over-tightening.



Side profile of the speaker, demonstrating its shallow mount design.

Wiring

The speaker has spade terminals for connection. Ensure correct polarity when wiring to your amplifier or head unit.

- Connect the positive (+) terminal of the speaker to the positive (+) output of your amplifier.
- Connect the negative (-) terminal of the speaker to the negative (-) output of your amplifier.
- Use appropriate gauge speaker wire for your power levels to prevent signal loss and ensure safety.
- This is a single 4-ohm speaker. Ensure your amplifier is stable at a 4-ohm load.



Rear view of the speaker, showing the spade terminals for wiring connections.

Operating Instructions

Once installed, operate your CT Sounds TROPO8-4 speakers responsibly to ensure optimal sound quality and speaker longevity.

- **Power Handling:** The speaker is rated for 200 Watts RMS and 400 Watts MAX. Avoid exceeding these power limits to prevent damage.
- **Amplifier Gain Settings:** Properly set your amplifier's gain to match the output voltage of your head unit. Incorrect gain settings can lead to distortion and speaker damage.
- **Crossover Settings:** Utilize appropriate high-pass filter (HPF) settings on your amplifier or head unit. A recommended starting point for the HPF is around 120 Hz to protect the midrange speaker from low frequencies it is not designed to reproduce.
- **Listening Levels:** While these speakers are designed for high output, prolonged listening at excessively high, distorted volumes can cause damage.

Maintenance

The CT Sounds TROPO8-4 speaker requires minimal maintenance. Follow these guidelines to keep your speakers in good condition:

- **Cleaning:** Use a soft, dry cloth to gently wipe away dust or debris from the speaker cone and surround. Avoid

using harsh chemicals or excessive moisture.

- **Inspection:** Periodically check the speaker for any signs of damage, such as tears in the cone or surround, or loose connections.
- **Environmental Factors:** Protect the speakers from extreme temperatures, direct sunlight, and excessive moisture, as these can degrade performance and lifespan.

Troubleshooting

If you encounter issues with your speaker, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Sound	Loose or incorrect wiring connections. Amplifier not powered on or in protect mode. Head unit not sending signal.	Check all wiring connections for proper polarity and secure fit. Verify amplifier power and status. Confirm head unit output.
Distorted Sound	Amplifier gain set too high. Incorrect crossover settings. Speaker over-powered. Damaged speaker.	Reduce amplifier gain. Adjust crossover settings (e.g., increase HPF frequency). Ensure power is within RMS limits. Inspect speaker for physical damage.
Low Output	Incorrect wiring (e.g., out of phase). Low amplifier power.	Verify wiring polarity. Ensure amplifier is providing adequate power.

If these steps do not resolve the issue, please contact CT Sounds customer support.

Specifications

Feature	Detail
Brand	CT Sounds
Model Number	TROPO8-4
Speaker Type	Midrange Speaker
Speaker Size	8 Inches
RMS Power Handling	200 Watts
Maximum Output Power	400 Watts
Impedance	4 Ohms
Frequency Response	120 Hz - 5,000 Hz
Sensitivity	95 dB
Voice Coil Size	1.5 Inches (CCAW)
Magnet Weight	28 oz
Mounting Type	Shallow Mount
Item Dimensions (D x W x H)	8.25"D x 8.25"W x 2.95"H

Feature	Detail
Item Weight	2.15 Kilograms
Enclosure Material	Aluminum, Metal, Plastic

Warranty Information

The CT Sounds TROPO8-4 speaker comes with a Limited Warranty. For specific terms, conditions, and duration of the warranty, please refer to the warranty card included with your product or visit the official CT Sounds website.

Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact CT Sounds customer support through their official website or the contact information provided with your purchase.

Product Overview Video

▶ **Watch video online**
CT Sounds TROPO8-4 8" Midrange Speaker - Product Overview

Official product overview video for the CT Sounds TROPO8-4 8-inch Midrange Speaker, detailing its features and design.

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