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› Soundstream TWS.7 Tweeter User Manual

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Model: TWS.7

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Soundstream TWS.7 Tweeter. Please read this manual thoroughly before installation and use to ensure optimal performance and safety.

The Soundstream TWS.7 is a 1-inch PEI Dome Tweeter designed for car audio systems, featuring a 3-way mounting system (flush, surface, or angle) and passive crossovers. It is rated for an input power of 110W.

PRODUCT OVERVIEW



Image: The Soundstream TWS.7 Tweeter shown alongside its passive crossover. The tweeter features a black housing with a distinctive spider-web grille design. The crossover is a compact black unit with red and clear wires for connection.



Image: A close-up view of the Soundstream TWS.7 Tweeter, highlighting the detailed spider logo on its grille. The tweeter's dome is visible beneath the grille.



Image: The retail packaging for the Soundstream TWS.7 Tweeter, a metallic tin box displaying the tweeters and crossovers, along with key features like "1\" PEI Dome Tweeter" and "12dB Passive Crossover Included".

Safety Information

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Always handle with care and ensure proper ventilation during installation. To prevent electric shock, do not open the tweeter housing. Refer all servicing to qualified service personnel. Ensure all connections are secure and properly insulated to prevent short circuits and damage to your audio system.

Setup and Installation

Package Contents:

- Soundstream TWS.7 Tweeter Set (2 tweeters)
- Passive Crossovers (2 units)
- Mounting Hardware (for flush, surface, or angle mounting)

Mounting Options:

The TWS.7 tweeters offer versatile mounting options to suit various installation needs:

- **Flush Mount:** For a clean, integrated look, the tweeters can be flush-mounted into a panel or surface. This requires cutting a precise hole.
- **Surface Mount:** For installations where cutting is not desired or feasible, the tweeters can be surface-mounted using the provided hardware.
- **Angle Mount:** Adjustable angle mounts allow for directing the sound towards the listening area, optimizing sound staging.

Refer to the specific mounting hardware instructions for detailed steps on each mounting type.

Wiring Diagram:

The TWS.7 tweeters require connection through the included 12dB/octave passive crossovers. The crossovers are designed to filter out lower frequencies, protecting the tweeter and ensuring clear high-frequency reproduction.

1. Identify the input and output terminals on the passive crossover. Typically, the input will connect to your amplifier or head unit's speaker output, and the output will connect to the tweeter.
2. Connect the positive (+) and negative (-) wires from your audio source to the corresponding input terminals on the passive crossover.

- 3. Connect the positive (+) and negative (-) wires from the passive crossover's tweeter output to the corresponding terminals on the TWS.7 tweeter.
- 4. Ensure all connections are secure and properly insulated using crimp connectors or soldering and heat shrink tubing.

Note: Incorrect wiring can damage the tweeters or your audio system. If unsure, consult a professional installer.

OPERATION

Once properly installed and wired, the Soundstream TWS.7 tweeters operate as part of your car's audio system. They are designed to reproduce high-frequency sounds (treble) to enhance the clarity and detail of your music.

Audio System Integration:

- The tweeters are passive components and do not require a separate power source beyond the audio signal from your amplifier or head unit.
- Adjust the treble settings on your head unit or amplifier to achieve the desired sound balance. Start with flat settings and make small adjustments.
- Avoid excessive volume levels that cause distortion, as this can damage the tweeters.

MAINTENANCE

The Soundstream TWS.7 tweeters require minimal maintenance to ensure long-term performance.

- **Cleaning:** Use a soft, dry cloth to gently wipe the tweeter grilles and housing. Do not use abrasive cleaners or solvents, as they may damage the finish or internal components.
- **Inspection:** Periodically check the wiring connections to ensure they remain secure and free from corrosion.
- **Environment:** While designed for automotive use, avoid exposing the tweeters to extreme temperatures or direct moisture.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from tweeter	Loose or incorrect wiring Damaged tweeter or crossover Amplifier/head unit issue	Check all wiring connections, especially to the crossover and tweeter. Test with a known good tweeter or check resistance with a multimeter (if experienced). Verify amplifier/head unit is functioning correctly with other speakers.
Distorted or harsh sound	Overdriving the tweeter (too much volume/power) Incorrect crossover connection Poor quality audio source	Reduce volume or treble settings. Ensure crossover is correctly wired and functioning. Try a different audio source to rule out source issues.
Intermittent sound	Loose connection Damaged wire	Inspect and secure all wiring connections. Check wires for cuts or fraying.

If problems persist after attempting these solutions, contact Soundstream customer support or a qualified car audio

technician.

SPECIFICATIONS

Model Name	TWS.7
Speaker Type	Tweeter
Speaker Size	1 Inch
Rated Input Power	110 Watts
Impedance	4 Ohm
Frequency Response	3kHz - 20kHz
SPL (Sensitivity)	93dB
Crossover Type	12dB/octave Passive Crossover
Magnet Type	Neodymium
Cooling	Ferrofluid Cooled
Mounting Options	Flush, Surface, or Angle (Tri-Mounting)
Included Components	Tweeter Set, Passive Crossovers
Product Dimensions	7.5 x 5.1 x 1.1 inches
Item Weight	0.88 ounces (0.03 Kilograms)
UPC	709483055025

WARRANTY INFORMATION

The Soundstream TWS.7 Tweeter comes with a **Limited Warranty**. Specific terms and conditions of the warranty, including coverage period and claim procedures, are provided by the manufacturer. Please retain your proof of purchase for warranty claims.

For detailed warranty information, please visit the official Soundstream website or contact their customer support.

CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Soundstream customer support.

Soundstream Official Website: www.soundstream.com

Please note that contact methods (phone, email) may vary and are best found on the official website.

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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