

Manuals.plus /

> Soundstream /

> Soundstream AF.653 Arachnid Full Range 6.5" 3-Way Speakers User Manual

Soundstream AF.653

Soundstream AF.653 Arachnid Full Range 6.5" 3-Way Speakers User Manual

Model: AF.653 | Brand: Soundstream

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Soundstream AF.653 Arachnid Full Range 6.5" 3-Way Speakers. These speakers are designed to deliver clear and powerful audio performance in various vehicle applications, including cars, trucks, and boats. Please read this manual thoroughly before installation to ensure proper setup and optimal sound quality.

SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your speakers. It is recommended that installation be performed by a qualified professional.

Pre-Installation Checks

- Ensure all components listed in the "What's in the Box" section are present.
- Verify the speaker size (6.5 inches) and mounting depth (approximately 1.75 inches) are compatible with your vehicle's intended mounting location.
- Disconnect the vehicle's battery before beginning any wiring to prevent electrical shorts.

Mounting

The AF.653 speakers are designed for flush mounting in appropriate vehicle panels such as doors or rear decks. Ensure the mounting surface is stable and free from obstructions. Use the provided mounting hardware to secure the speakers firmly.

Wiring Connections

These speakers feature quick disconnect terminals for easy and secure wiring. Connect the positive (+) terminal of the speaker to the positive output of your amplifier or head unit, and the negative (-) terminal of the speaker to the negative output. Ensure correct polarity to avoid phase issues that can degrade sound quality. The speakers have a 4-ohm impedance and are designed to handle up to 100 watts RMS per pair (300 watts peak per pair).



This image displays the Soundstream AF.653 Arachnid 6.5-inch 3-Way Speaker. The speaker features a black cone and a distinctive spider-web inspired grille design, which also incorporates the tweeter and midrange components in its center. The speaker frame is black, and the overall design is sleek and modern.

OPERATING INSTRUCTIONS

Once properly installed and connected to a compatible amplifier or head unit, your Soundstream AF.653 speakers will reproduce audio signals. For optimal performance and speaker longevity, adhere to the following guidelines:

- **Power Handling:** Do not exceed the recommended RMS power handling of 100 watts per pair. While the speakers can handle peaks up to 300 watts, continuous operation above RMS ratings can cause damage.
- **Volume Control:** Gradually increase volume to avoid sudden bursts of sound that could damage the speakers or your hearing.
- **Equalization:** Adjust equalizer settings on your head unit or amplifier to achieve desired sound characteristics. Avoid excessive bass or treble boost, especially at high volumes, as this can lead to distortion and speaker damage.
- **Break-in Period:** Allow a short break-in period (approximately 10-20 hours of normal use) for the speaker components to loosen up and achieve their full sonic potential.

MAINTENANCE

Your Soundstream AF.653 speakers require minimal maintenance to ensure long-lasting performance.

- **Cleaning:** Use a soft, dry cloth to gently wipe dust or debris from the speaker cones and grilles. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check speaker connections to ensure they are secure and free from corrosion.
- **Environmental Factors:** While designed for vehicle use, avoid exposing speakers to extreme moisture or direct sunlight for prolonged periods, as this can degrade materials over time. The speakers are not waterproof.

TROUBLESHOOTING

If you experience issues with your speakers, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Sound from Speaker	Loose or disconnected wiring; incorrect polarity; amplifier/head unit issue; damaged speaker.	Check all wiring connections for security and correct polarity. Verify amplifier/head unit is powered on and functioning. Test speaker with another known good audio source if possible.
Distorted Sound	Overpowering speaker; incorrect gain settings on amplifier; damaged speaker; poor signal source.	Reduce volume. Check amplifier gain settings and ensure they are not set too high. Verify the audio source is clean. If distortion persists, the speaker may be damaged.
Weak or Muffled Sound	Incorrect polarity; speaker cone obstruction; poor mounting.	Double-check wiring polarity. Ensure nothing is obstructing the speaker cone or grille. Verify the speaker is securely mounted without vibrations.

If troubleshooting steps do not resolve the issue, contact Soundstream customer support or a qualified audio technician.

SPECIFICATIONS

Feature	Detail
Model	AF.653
Speaker Type	Full Range 3-Way Coaxial
Speaker Size	6.5 Inches
Power Handling (RMS)	100 watts per pair
Power Handling (Peak)	300 watts per pair
Impedance	4 Ohm
Midrange	2" Balanced Dome Mylar
Tweeter	1" Balanced Dome Mylar (2.54 cm)
Cone Material	Injection Molded Polypropylene
Voice Coil	1" on Aluminum Former
Mounting Depth	1.75 inches
Color	Black and Silver

Feature	Detail
Included Components	(2) Speakers, Manual
Vehicle Service Type	Car, Truck, Boat, etc.

WARRANTY AND SUPPORT

Your Soundstream AF.653 speakers come with a **Limited Warranty**. Please refer to the warranty card included in your product packaging for specific terms, conditions, and duration of coverage. Keep your purchase receipt as proof of purchase for warranty claims.

For technical support, service, or warranty inquiries, please contact Soundstream customer service through their official website or the contact information provided in your product documentation. Do not attempt to repair the speakers yourself, as this may void the warranty.

© 2024 Soundstream. All rights reserved.

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question

Open the live page

<https://manuals.plus/asin/B01B9KHB9C>

More documents and user manuals: <https://manuals.plus/>