

## Audio System MFIT W205 EVO

# Audio System MFIT W205 EVO 150W Car Speaker System User Manual

For Mercedes C-Class W205 and S205 Models

### INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Audio System MFIT W205 EVO 150W Car Speaker System. This high-quality component system is specifically designed for a perfect fit and enhanced audio experience in Mercedes C-Class W205 and S205 vehicles.

Please read this manual thoroughly before installation and use to ensure proper setup and to maximize the performance and longevity of your speaker system.

### IMPORTANT SAFETY INFORMATION

- Always disconnect the vehicle's battery before performing any electrical work to prevent short circuits and electrical shock.
- Ensure all wiring is properly insulated and secured to prevent damage from vibration or contact with sharp edges.
- Do not obstruct any vehicle airbags or safety features during installation.
- Consult a professional car audio installer if you are unsure about any part of the installation process.
- Avoid exposing the speakers to excessive moisture or extreme temperatures. The product is not waterproof.
- Operate your audio system at responsible volume levels to avoid hearing damage and to maintain awareness of traffic conditions.

### PACKAGE CONTENTS

Your Audio System MFIT W205 EVO package includes the following components:

- 2x HS 24 MB1 EVO2 Tweeters
- 2x MS 100 MB1 EVO Mid-range Speakers
- 2x AX 08 MBL EVO Woofers (Left)

- 2x AX 08 MBR EVO Woofers (Right)
- 2x FWK TW Crossovers (for Tweeters)
- 2x FWK W205 Crossovers (for Woofers/Mid-range)
- Mounting accessories



Figure 1: Overview of included components. This image displays the HS 24 MB1 EVO2 tweeters, MS 100 MB1 EVO mid-range speakers, AX 08 MBL EVO and AX 08 MBR EVO woofers, and the FWK TW and FWK W205 crossovers, along with associated wiring.

## INSTALLATION GUIDE

The Audio System MFIT W205 EVO is designed for a custom fit in Mercedes C-Class W205 and S205 models. While designed for compatibility, some adjustments or careful handling may be required during installation. Professional installation is recommended.

### General Installation Steps:

1. **Preparation:** Ensure the vehicle is turned off and the battery is disconnected. Gather all necessary tools (e.g., trim removal tools, screwdrivers, wire cutters/strippers).
2. **Access Existing Speakers:** Carefully remove the door panels, dashboard grilles, or other trim pieces to access the factory speaker locations. Refer to your vehicle's service manual for specific trim removal instructions.
3. **Remove Factory Speakers:** Disconnect the wiring and unmount the existing speakers.
4. **Install New Components:**
  - **Tweeters (HS 24 MB1 EVO2):** Install the tweeters in the designated factory locations, typically in the dashboard or door pillars. Connect them to the FWK TW crossovers.
  - **Mid-range Speakers (MS 100 MB1 EVO):** Mount the mid-range speakers in their factory positions, often in the door panels. Connect them to the FWK W205 crossovers.
  - **Woofers (AX 08 MBL EVO / AX 08 MBR EVO):** Install the woofers in the under-seat locations. Ensure correct left (MBL) and right (MBR) placement. Connect them to the FWK W205 crossovers.

5. **Wiring and Crossovers:** Connect all speakers to their respective crossovers. The crossovers manage the frequency distribution to each speaker type. Ensure all connections are secure and properly insulated. Pay attention to polarity (+/-).
6. **Test System:** Before reassembling the interior, reconnect the vehicle battery and test the audio system to ensure all speakers are functioning correctly and sound is balanced.
7. **Reassemble Interior:** Carefully reattach all trim pieces and panels, ensuring no wires are pinched or damaged.

*Note: Some users have reported that connectors for mid-range speakers may require slight modification or careful handling, and bass speaker connections can be stiff. Exercise caution during these steps to avoid damage.*



Figure 2: The complete Audio System MFIT W205 EVO kit, showing all speakers, crossovers, and wiring harnesses ready for installation.

## OPERATION

Once properly installed, your Audio System MFIT W205 EVO speaker system operates in conjunction with your vehicle's existing head unit or aftermarket car audio system. The speakers are passive components, meaning they receive amplified audio signals from your car's amplifier (either built into the head unit or a separate external amplifier).

- **Audio Source:** Play audio from your preferred source (radio, media player, Bluetooth device connected to your head unit).

- **Volume Control:** Adjust the volume using your car's head unit controls.
- **Sound Settings:** Utilize your head unit's equalizer, balance, and fader controls to fine-tune the sound to your preference. The MFIT W205 EVO system is designed to deliver a balanced and powerful sound, but personal adjustments can further enhance your listening experience.

## MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your Audio System MFIT W205 EVO speakers, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to gently wipe away dust from speaker grilles and surrounds. Avoid using harsh chemicals or abrasive cleaners.
- **Avoid Moisture:** While car interiors can experience some humidity, avoid direct exposure to water or excessive moisture. The speakers are not waterproof.
- **Temperature Control:** Protect the speakers from extreme heat or cold, which can affect material integrity over time.
- **Secure Mounting:** Periodically check that all speakers are securely mounted and that wiring connections remain firm. Vibrations from driving can sometimes loosen components.

## TROUBLESHOOTING

If you encounter issues with your speaker system, refer to the table below for common problems and their solutions:

Problem	Possible Cause	Solution
No sound from one or more speakers	Loose wiring connection; incorrect polarity; faulty speaker or crossover; head unit/amplifier issue.	Check all wiring connections, especially at the speaker, crossover, and amplifier. Ensure correct polarity. Test with a known good speaker if possible. Verify head unit/amplifier is functioning.
Distorted sound	Volume too high; amplifier clipping; damaged speaker; incorrect crossover settings.	Reduce volume. Check amplifier gain settings. Inspect speakers for physical damage. Ensure crossovers are correctly wired.
Weak or unbalanced sound	Incorrect balance/fader settings; one speaker not working; phase issue.	Adjust balance and fader settings on your head unit. Check wiring for any disconnected speakers. Verify correct polarity for all speakers.
Buzzing or humming noise	Ground loop issue; interference from other electrical components; loose wiring.	Ensure all components are properly grounded. Check for any power wires running too close to audio signal wires. Secure all connections.

If the problem persists after attempting these solutions, please contact customer support or a qualified car audio technician.

## TECHNICAL SPECIFICATIONS

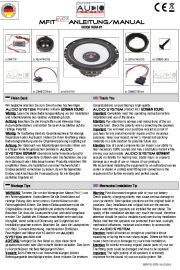
Feature	Specification
Model Number	MFIT W205 EVO
Brand	Audio System
Maximum Output Power	150 Watts
Speaker Type	Component System (2 woofers, 2 mid-range, 2 tweeters)
Surround Sound Channel Configuration	2.0
Compatible Devices	Mercedes C-Class W205, S205
Connectivity Technology	Wired (Bluetooth mentioned in product specs likely refers to head unit connectivity, not speaker connectivity)
Power Source	Electrical Cable (from car's audio system)
Control Method	Tactile (via car's head unit)
Special Features	Customized compatibility, easy installation
Country of Origin	China


### WARRANTY AND CUSTOMER SUPPORT

The Audio System MFIT W205 EVO speaker system comes with a Limited Warranty. Please refer to the warranty documentation included with your purchase for specific terms and conditions, including coverage duration and claim procedures.

For technical assistance, installation queries, or warranty claims, please contact your authorized Audio System dealer or visit the official Audio System website for support contact information. When contacting support, please have your product model number (MFIT W205 EVO) and proof of purchase readily available.

### Related Documents - MFIT W205 EVO

	<p><a href="#">AUDIO SYSTEM MFIT EVO2 Speaker System Manual for Skoda Fabia 6Y</a></p> <p>Comprehensive installation and user manual for the AUDIO SYSTEM MFIT EVO2 speaker system, designed for the Skoda Fabia 6Y. Includes technical specifications, installation tips, and crossover settings.</p>
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	<p><a href="#">AUDIO SYSTEM MFIT EVO 2 Transit 6 Connect/Custom Installation Manual</a></p> <p>Installation manual for the AUDIO SYSTEM MFIT EVO 2 speakers designed for Ford Transit 6 Connect and Transit 6 Custom vehicles. Provides instructions, tips, and specifications for optimal sound system setup.</p>
	<p><a href="#">AUDIO SYSTEM XFIT EVO2 Installation Manual for Skoda Octavia 5E / Superb 3V</a></p> <p>This manual provides installation instructions for the AUDIO SYSTEM XFIT EVO2 speaker system in Skoda Octavia 5E and Skoda Superb 3V vehicles. It details component identification, mounting tips, tweeter and midrange speaker installation, crossover settings, and optional accessories.</p>
	<p><a href="#">AUDIO SYSTEM XFIT Installation Manual for Skoda Octavia 5E / Superb 3V</a></p> <p>Comprehensive installation manual for AUDIO SYSTEM XFIT car speakers, detailing component setup, wiring, and mounting tips for Skoda Octavia 5E and Superb 3V models. Includes technical specifications and optional accessories.</p>
	<p><a href="#">Audio System R-Series EM EVO R-130 EM / R-165 EM User Manual</a></p> <p>User manual for Audio System R-Series EM EVO car speakers, detailing installation, crossover settings, package contents, and optional accessories for models R-130 EM and R-165 EM.</p>
	<p><a href="#">Audio System HX Series EVO3 Car Speaker System User Manual and Installation Guide</a></p> <p>Comprehensive user manual and installation guide for the Audio System HX Series EVO3 car speaker components, detailing crossover settings, impedance linearization, and mounting tips for optimal audio performance.</p>