Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Audio System MX 165 EVO

AUDIO SYSTEM MX 165 EVO 2-Way Component System User Manual

Model: MX 165 EVO

1. Introduction

Thank you for choosing the AUDIO SYSTEM MX 165 EVO 2-Way Component System. This manual provides essential information for the proper installation, operation, and maintenance of your new car audio speakers. Please read this manual thoroughly before installation and use to ensure optimal performance and safety.

2. Safety Instructions

- **Professional Installation Recommended:** Due to the complexity of car audio systems, professional installation is highly recommended. Incorrect installation can lead to damage to the product, vehicle, or personal injury.
- **Disconnect Battery:** Always disconnect the vehicle's negative battery terminal before beginning any electrical work to prevent short circuits and electrical hazards.
- **Wiring:** Ensure all wiring is correctly connected according to the diagrams. Incorrect polarity can damage the speakers and amplifier. Use appropriate gauge wiring.
- **Mounting:** Securely mount all components to prevent them from becoming loose during vehicle operation, which could cause injury or damage.
- **Avoid Water and Moisture:** Do not expose the speakers to water or excessive moisture. This product is not waterproof.
- **Volume Levels:** Prolonged exposure to high volume levels can cause hearing damage. Adjust volume responsibly.

3. Package Contents

Verify that all components are present in the package:

- 2 x MXS 165 EVO Woofers (165mm)
- 2 x HS 19 W Tweeters
- 2 x FWK M Cable Crossovers
- Mounting hardware (screws, clips, etc. - may vary)

If any items are missing or damaged, please contact your dealer immediately.

4. Setup and Installation

This section outlines the general steps for installing the AUDIO SYSTEM MX 165 EVO component system. Specific vehicle requirements may vary.

4.1 Component Overview



This image displays the main components of the Audio System MX 165 EVO: a 165mm woofer, a separate tweeter, and the included cable crossover (FWK M).

4.2 Woofer Installation (MXS 165 EVO)

1. **Location:** Identify suitable mounting locations in your vehicle, typically in door panels or kick panels. Ensure sufficient clearance behind the mounting surface.
2. **Mounting Dimensions:** The woofer requires an installation depth of 59 mm and an installation diameter of 143 mm. Verify these dimensions against your chosen location.
3. **Wiring:** Connect the woofer to the designated woofer output on the FWK M cable crossover. Observe correct polarity (+ to + and - to -).
4. **Secure Mounting:** Use the provided screws to securely fasten the woofer to the mounting surface. Avoid overtightening.

4.3 Tweeter Installation (HS 19 W)

1. **Location:** Tweeters are typically mounted higher in the vehicle, such as on the dashboard, A-pillars, or flush-mounted in door panels, to optimize sound staging.
2. **Mounting:** The HS 19 W tweeters can be flush-mounted or surface-mounted using the included accessories. Choose the method that best suits your vehicle and desired sound.
3. **Wiring:** Connect the tweeter to the designated tweeter output on the FWK M cable crossover. Ensure correct polarity.

4.4 Crossover Installation (FWK M)

1. **Placement:** Mount the FWK M cable crossovers in a dry, protected location within the vehicle, away from heat sources and moisture.
2. **Input Connection:** Connect the input side of the crossover to the amplifier's speaker output. The system has an impedance of 3 ohms. Ensure your amplifier is stable at this impedance.
3. **Output Connections:** Connect the woofer and tweeter to their respective outputs on the crossover, maintaining correct polarity.

4.5 System Wiring Diagram (General)

Connect the amplifier's speaker output to the input of the FWK M crossover. Then, connect the woofer (MXS 165 EVO) to the woofer output of the crossover and the tweeter (HS 19 W) to the tweeter output of the crossover. Always ensure all connections are secure and insulated to prevent short circuits.

5. Operating Instructions

Once installed, the AUDIO SYSTEM MX 165 EVO component system operates as part of your vehicle's audio system.

- **Power On:** Turn on your car's head unit or amplifier.
- **Volume Adjustment:** Start with the volume at a low level and gradually increase it to your desired listening level. Avoid excessive volume that causes distortion.
- **Audio Settings:** Use your head unit's or amplifier's audio settings (bass, treble, balance, fader) to fine-tune the sound to your preference.
- **Power Handling:** The system is rated for 80 Watts RMS (2 x 80W) and 120 Watts peak power (2 x 120W). Do not exceed these power ratings to prevent damage.
- **Connectivity:** The system connects via standard speaker wire to the crossover, which then connects to your amplifier, typically using RCA connections for the amplifier's input signal.

6. Maintenance

Proper maintenance ensures the longevity and performance of your speakers.

- **Cleaning:** Use a soft, dry cloth to gently wipe the speaker cones and grilles. Do not use harsh chemicals, solvents, or abrasive cleaners.
- **Avoid Moisture:** Keep the speakers dry. If they become wet, allow them to air dry completely before use.
- **Regular Inspection:** Periodically check all wiring connections to ensure they are secure and free from corrosion.
- **Environmental Factors:** Avoid exposing the speakers to extreme temperatures or direct sunlight for extended periods.

7. Troubleshooting

If you experience issues with your AUDIO SYSTEM MX 165 EVO, refer to the following common problems and solutions:

- **No Sound from Speakers:**
  - Check all wiring connections from the amplifier to the crossover, and from the crossover to the speakers. Ensure they are secure and correctly polarized.
  - Verify that the amplifier is powered on and functioning correctly.
  - Check the head unit's settings (volume, balance, fader) to ensure audio is being sent to the speakers.
  - Inspect speaker wires for any breaks or short circuits.

- **Distorted Sound:**
  - Reduce the volume level. Distortion often occurs when the amplifier or speakers are overdriven.
  - Check for incorrect gain settings on your amplifier. Adjust the gain to match the head unit's output.
  - Ensure speaker wires are not touching the vehicle's chassis or other wires, which could cause interference.
  - Verify that the speakers are securely mounted and not vibrating against other surfaces.
- **One Speaker Not Working:**
  - Check the wiring for that specific speaker and its corresponding crossover output.
  - Swap the non-working speaker with a working one (if possible and safe) to determine if the issue is with the speaker or the wiring/crossover.

If these steps do not resolve the issue, consult a professional car audio technician.

8. Specifications

Feature	Specification
Model Name	MX 165 EVO
Speaker Type	2-Way Component System
Woofer Diameter	165 mm
Installation Depth	59 mm
Installation Diameter	143 mm
Impedance	3 Ohms
Power (RMS)	2 x 80 Watts
Power (Peak)	2 x 120 Watts
Components Included	2 x HS 19 W Tweeters, 2 x MXS 165 EVO Woofers, 2 x FWK M Cable Crossovers
Connectivity Technology	Auxiliary, RCA (for amplifier input)
Audio Output Mode	Stereo
Special Features	Tweeter
Compatible Devices	Car Audio Systems
Package Dimensions	44.4 x 21.6 x 10.2 cm
Item Weight	1.72 kilograms

9. Warranty and Support

AUDIO SYSTEM products are manufactured to high-quality standards. For warranty information, please refer to the warranty card included with your purchase or contact your authorized AUDIO SYSTEM dealer.

For technical support or service inquiries, please contact your point of purchase or visit the official AUDIO SYSTEM

website for contact details.

© 2023 Audio System. 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/B01I3J6X3M

More documents and user manuals: **https://manuals.plus/**