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

CT Sounds MESO 6.5 COMPONENT

CT Sounds Meso 6.5" 2-Way Premium Component Car Speaker Set

INSTRUCTION MANUAL

1. Introduction

Thank you for choosing the CT Sounds Meso 6.5" 2-Way Premium Component Car Speaker Set. This manual provides essential information for the proper installation, operation, and maintenance of your new car audio system. Please read these instructions thoroughly before beginning installation to ensure optimal performance and longevity of your speakers.

2. What's in the Box

Your CT Sounds Meso 6.5" Component Speaker Set includes the following components:

- (2) Meso 6.5" Midrange Woofers
- (2) 25 mm Silk-Dome Tweeters
- (2) 12 dB Passive Crossover Networks
- Screws and Mounting Brackets
- Premium Wire for Easy Installation
- Speaker Grilles for 6.5" Midrange Woofers



Image: All components included in the CT Sounds Meso 6.5" Component Speaker Set, featuring two woofers, two tweeters, two crossover networks, wiring, and mounting hardware.

3. Specifications

Detailed technical specifications for the CT Sounds Meso 6.5" Component Speaker Set:

Feature	Specification
Speaker Size	6.5 inches
Speaker Type	2-Way Component
Impedance per speaker	4 Ohm
Power per set (RMS)	160W
Power per set (MAX)	320W

Feature	Specification
Tweeter Diameter	25 mm
Tweeter Type	Silk-Dome with N38H motor assembly
Woofer Cone Material	Fiberglass
Woofer Surround Material	Nitrile Butadiene Rubber
Crossover Network	12 dB Passive
Frequency Response	50 Hz - 20 kHz
SPL (Sensitivity)	89 dB



Image: A detailed view of the 1-inch silk-dome tweeters, featuring a neo magnet for accurate sound reproduction.



Image: The 2-way passive crossover network, designed to ensure clear high frequencies are directed to the tweeters.

4. Setup & Installation

Proper installation is crucial for the performance and safety of your car audio system. If you are unsure about any steps, it is recommended to seek professional installation.

4.1. Safety Precautions

- Disconnect the vehicle's negative battery terminal before starting any electrical work.
- Ensure all wiring is properly insulated to prevent short circuits.
- Use appropriate tools and wear safety glasses.

- Verify speaker polarity before making final connections.

4.2. Component Overview

Familiarize yourself with the main components:

- **Woofers:** These handle the mid-bass frequencies. Note their substantial magnet size, which may require modifications to your vehicle's door panels for proper fit.
- **Tweeters:** Designed for high frequencies. They come with options for flush mounting or surface mounting.
- **Crossovers:** These passive networks separate the audio signal, sending appropriate frequencies to the woofers and tweeters. They often include a switch to adjust tweeter output (e.g., +3dB, 0dB, -3dB).



Image: Top view of a CT Sounds Meso 6.5" Midrange Woofer, showcasing its fiberglass cone and durable surround.



Image: Rear view of a CT Sounds Meso 6.5" Midrange Woofer, highlighting the robust magnet and push terminals for wiring connections.

4.3. Installation Steps

1. **Mounting Woofers:** Install the 6.5" woofers in your vehicle's designated speaker locations. Ensure a secure fit. Due to the large magnet, some custom fabrication or trimming of the mounting area may be necessary. Use the provided screws and mounting brackets.
2. **Mounting Tweeters:** Choose between flush mount or surface mount options for the 25mm silk-dome tweeters. Select a location that provides optimal sound imaging, typically near the woofers or on the A-pillars.
3. **Connecting Crossovers:** Connect the speaker wires from your amplifier or head unit to the 'INPUT' terminals on the passive crossover network. Then, connect the 'WOOFER' output from the crossover to the 6.5" woofer and the 'TWEETER' output to the 25mm tweeter. Pay close attention to polarity (+/-).
4. **Wiring:** Use the provided premium wire for all connections. Ensure all connections are tight and secure.
5. **Testing:** Before reassembling interior panels, temporarily connect the battery and test the system to ensure all speakers are functioning correctly and sound is clear.



Image: The two 25mm silk-dome tweeters, ready for installation with pre-installed connectors.

4.4. Product Overview Video

Watch this official product overview video for additional insights into the CT Sounds Meso 6.5" Component Speaker Set:

▶ **Watch video online**
CT Sounds Meso 6.5" Component Speaker Set - Product Overview

Video: An official product overview of the CT Sounds Meso 6.5" Component Speaker Set, detailing its features and components.

5. Operating Instructions

Once installed, your CT Sounds Meso speakers are ready for use. Follow these guidelines for optimal performance:

- **Audio Source:** Connect your preferred audio source (e.g., car stereo, amplifier) to the speaker system.
- **Volume Control:** Adjust the volume gradually. Avoid excessively high volumes that cause distortion, as this can damage the speakers.
- **Crossover Settings:** If your amplifier or head unit has adjustable crossover settings, set the high-pass filter (HPF) for the woofers and the low-pass filter (LPF) for any connected subwoofers according to your system's requirements. The passive crossovers included will manage the signal split between the Meso woofers and tweeters.
- **Tweeter Level Adjustment:** The passive crossovers may feature a switch to adjust the tweeter output level (e.g., +3dB, 0dB, -3dB). Experiment with these settings to achieve your preferred high-frequency balance.
- **Break-in Period:** Allow a break-in period of approximately 20-30 hours of normal listening before pushing the speakers to their maximum capabilities. This allows the speaker components to loosen up and perform optimally.

6. Maintenance

To ensure the longevity and continued performance of your CT Sounds Meso speakers, follow these simple maintenance tips:

- **Cleaning:** Use a soft, dry cloth to gently wipe down the speaker grilles and surrounds. Avoid using harsh chemicals or abrasive cleaners.
- **Protection:** Always use the provided speaker grilles to protect the woofer cones from physical damage.
- **Environmental Factors:** While durable, avoid exposing speakers to extreme moisture or direct sunlight for prolonged periods, as this can degrade materials over time.
- **Wiring Inspection:** Periodically check all wiring connections for tightness and signs of wear or corrosion.

7. Troubleshooting

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

Problem	Possible Cause	Solution
No Sound from Speakers	Loose wiring, incorrect polarity, amplifier off/faulty, head unit settings.	Check all wiring connections (input, woofer, tweeter) for tightness and correct polarity. Ensure amplifier is powered on and functioning. Verify head unit output settings.
Distorted Sound	Volume too high, amplifier gain set too high, incorrect crossover settings, damaged speaker.	Reduce volume. Adjust amplifier gain to prevent clipping. Check crossover settings on amplifier/head unit. Inspect speaker cones for physical damage.
Weak Bass or Treble	Incorrect crossover settings, phase issues, tweeter level setting.	Review crossover settings on amplifier/head unit. Ensure speakers are wired in phase. Adjust tweeter level switch on passive crossover if applicable.
Speaker Crackling/Buzzing	Loose connections, ground loop, damaged speaker wire, speaker damage.	Check all wiring for secure connections. Ensure proper grounding of audio components. Inspect speaker wires for fraying or damage. If problem persists, speaker may be damaged.

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

8. Warranty & Support

Warranty: This CT Sounds product comes with a 1-year limited warranty from the date of purchase. This warranty covers manufacturing defects and workmanship. Please retain your proof of purchase for warranty claims.

Support: For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please visit the official CT Sounds website or contact their customer service department. You can typically find contact information on their website: www.ct-sounds.com

Please have your product model number (MESO 6.5 COMPONENT) and purchase details ready when contacting support.

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/B00TRKNODO

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