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Skar Audio TX65C

Skar Audio TX65C 6.5" 2-Way Elite Component Speaker System User Manual

Model: TX65C

Product Overview

The Skar Audio TX65C 6.5" 2-Way Elite Component Speaker System is designed to deliver high-fidelity audio performance for your vehicle. This system includes two midrange speakers, two tweeters, and two crossover networks, providing a comprehensive solution for upgrading your car's audio. With a peak power of 200 Watts (pair) and RMS power of 100 Watts (pair), these speakers are engineered for clear, crisp sound reproduction across a wide frequency range.



Image: Complete Skar Audio TX65C component speaker system, showing woofers, tweeters, and crossover networks.

Package Contents

Upon opening your Skar Audio TX65C package, please verify that all components are present and undamaged:

- Two (2) 6.5" Midrange Speakers
- Two (2) 1" High Performance Silk Dome Tweeters
- Two (2) Crossover Networks
- Mounting Hardware (screws, clips, etc.)

Setup and Installation

Speaker Placement Considerations

Optimal sound quality is achieved through careful speaker placement. The 6.5-inch midrange speakers are typically installed in factory door locations or custom enclosures. The 1-inch tweeters can be flush-mounted or surface-mounted,

depending on your vehicle's interior and desired sound staging.



Image: Front view of the 6.5-inch midrange speakers.



Image: Rear view of a 6.5-inch midrange speaker, highlighting the magnet and connection terminals.



Image: The two 1-inch silk dome tweeters.

Crossover Network Connection

The included crossover networks are crucial for directing the correct frequency ranges to the appropriate speakers (midrange and tweeter). Connect your amplifier's output to the "IN+" and "IN-" terminals on the crossover. Connect the midrange speaker to the "WF+" and "WF-" terminals, and the tweeter to the "TW+" and "TW-" terminals. Ensure correct polarity for optimal sound.



Image: The two high-grade crossover networks, showing input and output terminals.

Mounting Grilles

After installation, attach the provided speaker grilles to protect the midrange speakers from physical damage. These grilles are designed for a secure fit and aesthetic integration.



Image: The two protective speaker grilles.

Operating Your Speaker System

Once installed, the Skar Audio TX65C system operates as part of your vehicle's audio setup. Ensure your head unit or amplifier is properly configured to deliver a clean, undistorted signal. It is recommended to start with low volume levels and gradually increase them to prevent damage to the speakers and your hearing.

Power Handling

The TX65C system has an RMS power rating of 100 Watts (pair) and a peak power of 200 Watts (pair). To maximize speaker lifespan and performance, ensure your amplifier's output matches these specifications. Overpowering or underpowering can lead to speaker damage.

Frequency Response and Sensitivity

These speakers offer a frequency response range of 50 Hz - 25,000 Hz and a sensitivity of 89 dB. This wide range ensures accurate reproduction of various audio frequencies, from mid-bass to crisp highs. The sensitivity rating indicates how efficiently the speakers convert power into sound, meaning they can produce significant volume with moderate power input.

Maintenance

The Skar Audio TX65C component speaker system requires minimal maintenance to ensure long-term performance.

- **Cleaning:** Use a soft, dry cloth to gently wipe down the speaker grilles and surrounds. Avoid using harsh chemicals or abrasive materials, as these can damage the speaker components.
- **Environmental Factors:** While designed for automotive use, avoid exposing the speakers to excessive moisture or extreme temperatures. The product is not waterproof.

- **Connection Checks:** Periodically inspect wiring connections to ensure they remain secure and free from corrosion. Loose connections can lead to signal loss or intermittent sound.

Troubleshooting

If you encounter issues with your Skar Audio TX65C speaker system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Sound from Speakers	Loose wiring connection; Amplifier off or in protect mode; Head unit issue; Blown fuse.	Check all wiring connections (speaker, amplifier, head unit). Verify amplifier is powered on and not in protect mode. Check head unit settings and fuses.
Distorted Sound	Overpowering speakers; Amplifier gain set too high; Incorrect crossover settings; Damaged speaker.	Reduce volume. Adjust amplifier gain settings. Verify crossover connections and settings. Inspect speakers for physical damage.
One Speaker Not Working	Loose connection to that speaker/crossover; Damaged speaker/crossover.	Check connections for the specific speaker and its crossover. Test with a known working speaker if possible to isolate the issue.

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

Specifications

Feature	Detail
Model Name	TX65C
Speaker Type	2-Way Component System (Woofer, Tweeter, Crossover)
Speaker Size	6.5 Inches (Woofer), 1 Inch (Tweeter)
RMS Power (Pair)	100 Watts
Peak Power (Pair)	200 Watts
Impedance	4 Ohm
Frequency Response	50 Hz - 25,000 Hz
Sensitivity	89 dB
Voice Coil	1.25" KSV Copper
Magnet Type	Ferrite
Product Dimensions	12.75"D x 17.75"W x 5"H

Feature	Detail
Item Weight	9.09 pounds

Warranty and Support

Warranty Information

Skar Audio products, including the TX65C speaker system, typically come with a limited warranty. Please refer to the official Skar Audio website or your purchase documentation for specific warranty terms and conditions. The warranty covers manufacturing defects and material flaws under normal use.

Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact Skar Audio customer support:

- **Website:** www.skaraudio.com
- **Contact Information:** Refer to the "Contact Us" section on the official website for phone numbers or email support.

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