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Genius GPRO-T08

Genius Audio GPRO-T08 Super Tweeter Speakers

INSTRUCTION MANUAL

Introduction

Thank you for choosing Genius Audio GPRO-T08 Super Tweeter Speakers. This manual provides essential information for the proper installation, operation, and maintenance of your new audio components. Please read these instructions carefully before installation and retain them for future reference. These super tweeters are designed to enhance the high-frequency response of your car audio system, delivering clear and crisp sound.



Image: Front view of the Genius Audio GPRO-T08 Super Tweeter Speaker.

Product Features

The Genius Audio GPRO-T08 Super Tweeter Speakers are engineered for high-performance audio reproduction. Key features include:

- **Power Handling:** 30 Watts RMS, 100 Watts Max at 4 Ohms (per speaker).
- **Diaphragm:** Durable aluminum diaphragm for clear high-frequency output.
- **Voice Coil:** 1-inch CCAW (Copper Clad Aluminum Wire) voice coil for reliable performance.

- **Magnet:** High-temperature Ferrite Y25 magnet designed to maintain magnetization under demanding conditions.
- **Impedance:** 4 Ohms, compatible with most car audio amplifiers.
- **Frequency Response:** 2KHz - 20KHz, ensuring a wide range of high-frequency sound.
- **Sensitivity:** 98 dB, providing efficient sound output.
- **Integrated Capacitor:** Includes an in-line noise capacitor to block low frequencies and protect the tweeter.



Image: Exploded view highlighting the Aluminum Diaphragm, 1" CCAW Voice Coil, and Y25 Ferrite Magnet.

Setup and Installation

Proper installation is crucial for optimal performance and longevity of your super tweeters. If you are unsure about any steps, it is recommended to seek professional installation.

1. Safety First

- Disconnect the vehicle's battery before starting any electrical work to prevent short circuits and damage.
- Wear appropriate safety gear, including eye protection.

2. Mounting Location

Choose a mounting location that allows for optimal sound dispersion and secure attachment. Common locations include dashboard corners, A-pillars, or door panels. Ensure there is sufficient depth and clearance for the tweeter and its magnet structure.



Image: Detailed dimensions of the GPRO-T08 tweeter for mounting reference.

3. Wiring Connections

- The GPRO-T08 tweeters have an impedance of 4 Ohms. Ensure your amplifier or head unit can safely drive a 4-Ohm load.
- Connect the positive (+) terminal of the tweeter to the positive (+) output of your amplifier/crossover, and the

negative (-) terminal to the negative (-) output. Maintain correct polarity for optimal sound imaging.

- The tweeters include an in-line capacitor. This capacitor acts as a high-pass filter, blocking low frequencies that could damage the tweeter. Do not bypass this capacitor.
- Use appropriate gauge speaker wire for your installation to minimize power loss and ensure clear signal transmission.

4. Secure Mounting

Once the wiring is complete, securely mount the tweeters using the provided hardware. Ensure they are firmly attached to prevent vibration and potential damage.

Operating Instructions

After successful installation, follow these steps for initial operation:

1. **Reconnect Battery:** Reconnect your vehicle's battery.
2. **Initial Power-Up:** Turn on your car audio system. Start with the volume at a low level.
3. **Volume Adjustment:** Gradually increase the volume to a comfortable listening level. Listen for clear, crisp high frequencies.
4. **Crossover Settings:** If your head unit or amplifier has adjustable crossover settings, ensure they are configured appropriately for tweeters. A high-pass filter setting above 2KHz is generally recommended to protect the tweeters from low-frequency signals. The integrated capacitor provides a basic high-pass function.
5. **Balance and Fade:** Adjust the balance and fade controls on your head unit to achieve optimal sound staging and imaging within your vehicle.

Avoid operating the tweeters at excessively high volumes for extended periods, as this can lead to distortion and potential damage.

Maintenance

Your Genius Audio GPRO-T08 Super Tweeter Speakers require minimal maintenance to ensure long-lasting performance.

- **Cleaning:** Periodically wipe the tweeters with a soft, dry cloth to remove dust and debris. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Occasionally inspect the wiring connections to ensure they are secure and free from corrosion. Check the mounting points for any looseness.
- **Environmental Factors:** While designed for automotive use, avoid exposing the tweeters to extreme moisture or direct sunlight for prolonged periods, as this can affect their lifespan.

Troubleshooting

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

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound from tweeters	Loose or incorrect wiring; Blown fuse in amplifier; Amplifier not powered; Incorrect head unit settings.	Check all wiring connections for proper polarity and security. Verify amplifier power and fuse. Ensure head unit output is enabled.
Distorted or harsh sound	Overpowering the tweeters; Amplifier gain too high; Incorrect crossover settings; Damaged tweeter.	Reduce volume. Adjust amplifier gain. Verify crossover settings (high-pass filter). If distortion persists at low volumes, the tweeter may be damaged.
Low volume from tweeters	Incorrect wiring polarity; Low amplifier output; Head unit settings.	Check wiring polarity. Increase amplifier gain (carefully). Adjust head unit balance/fade settings.
Tweeters cutting out intermittently	Loose connections; Overheating amplifier; Short circuit.	Inspect all wiring for loose connections or frayed wires. Ensure amplifier has adequate ventilation. Check for any short circuits in the wiring.

Specifications

Detailed technical specifications for the Genius Audio GPRO-T08 Super Tweeter Speakers:

GENIUS
AUDIO / **SUPER TWEETER**
GPRO-T08



Image: Rear view of the tweeter showing printed specifications.

Specification	Value
Model Name	GPRO-T08
Speaker Type	Tweeter
Speaker Size	1 Inch
RMS Power	30 Watts
Maximum Output Power	100 Watts
Impedance	4 Ohms
Frequency Response	2KHz - 20KHz

Specification	Value
Sensitivity	98 dB
Diaphragm Material	Aluminum
Magnet Type	Ferrite Y25
Voice Coil	1" CCAW
Product Dimensions	8.86 x 4.33 x 2.05 inches
Item Weight	2.4 pounds (for the pair)
Number of Items	2 (Speakers)
Included Components	Car Speakers - Tweeters

Warranty Information

Genius Audio GPRO-T08 Super Tweeter Speakers come with a limited warranty. The specific terms and duration of the warranty may vary by region and retailer. Please retain your proof of purchase for any warranty claims. The warranty typically covers manufacturing defects and material flaws under normal use. It does not cover damage resulting from improper installation, abuse, accidents, modifications, or unauthorized repairs.

For detailed warranty terms and conditions, please refer to the documentation provided with your purchase or contact Genius Audio customer support.

Customer Support

If you require further assistance, have questions not covered in this manual, or need to report a problem, please contact Genius Audio customer support or your authorized retailer. When contacting support, please have your product model number (GPRO-T08) and proof of purchase readily available.

For more information, you may visit the official Genius Audio website or the Genius Store on Amazon:

[Visit the Genius Store on Amazon](#)