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PRV AUDIO TW700Ti

PRV AUDIO TW700Ti Black 4 Inch Titanium Bullet Tweeter

Instruction Manual

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1. PRODUCT OVERVIEW

The PRV AUDIO TW700Ti is a 4-inch titanium bullet tweeter designed to enhance the high-frequency performance of car audio and professional loudspeaker systems. It features a robust titanium diaphragm, a double magnet structure for high sensitivity and low distortion, and a built-in capacitor to limit low frequencies and improve sound clarity. This tweeter is engineered for efficiency and delivers a frequency response up to 20,000 Hz with a sensitivity of 107 dB at 1W/1m.



Figure 1: PRV AUDIO TW700Ti Black 4 Inch Titanium Bullet Tweeter with included capacitor.

2. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and longevity of your PRV AUDIO TW700Ti tweeter. Ensure all connections are secure and correctly polarized.

2.1 Unpacking

Carefully remove the tweeter from its packaging. Verify that all components, including the tweeter and the pre-installed capacitor, are present and undamaged.

2.2 Mounting Considerations

The TW700Ti features a compact design with a mounting depth of 2.55 inches and flat sides, allowing for close side-by-side mounting if desired. The mounting cutout diameter is 3.58 inches. Choose a mounting location that provides adequate space and structural integrity.



Figure 2: Dimensions of the PRV AUDIO TW700Ti tweeter.

2.3 Wiring

The tweeter operates at 8 Ohms impedance and includes a built-in polyester metalized film capacitor. This capacitor acts as a high-pass filter, protecting the tweeter by limiting low frequencies. Connect the tweeter to your amplifier or crossover network, ensuring correct polarity (positive to positive, negative to negative). Incorrect wiring can lead to phase issues and reduced sound quality.

TITANIUM
HIGH-FREQUENCY
BULLET TWEETER



CAPACITOR INCLUDED

Figure 3: Tweeter with pre-installed capacitor.

3. OPERATION

Once installed, the PRV AUDIO TW700Ti tweeter is designed to integrate seamlessly into your audio system, providing clear and brilliant high-frequency sound.

3.1 Power Handling

The tweeter has a maximum output power of 480 Watts. Ensure your amplifier's output power is within the recommended range to prevent damage to the tweeter. The built-in capacitor helps manage the frequency range, but proper gain staging on your amplifier is still important.

3.2 Sound Adjustment

For optimal sound, you may need to adjust the high-frequency settings on your car audio head unit or external equalizer. Start with flat settings and make small adjustments to achieve the desired balance with your other speakers.

4. MAINTENANCE

The PRV AUDIO TW700Ti tweeter requires minimal maintenance to ensure long-lasting performance.

- **Cleaning:** Use a soft, dry cloth to gently wipe the tweeter's surface. Avoid using harsh chemicals or abrasive materials, which can damage the finish or diaphragm.
- **Inspection:** Periodically check wiring connections to ensure they remain secure. Inspect the tweeter for any signs of physical damage.
- **Environment:** Avoid exposing the tweeter to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

5. TROUBLESHOOTING

If you encounter issues with your PRV AUDIO TW700Ti tweeter, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No sound from tweeter	<ul style="list-style-type: none">• Loose or incorrect wiring• Amplifier not powered on or faulty• Crossover settings incorrect• Damaged tweeter	<ul style="list-style-type: none">• Check all wiring connections for proper polarity and tightness.• Verify amplifier is on and functioning.• Ensure high-pass filter is set correctly (if using external crossover).• Test with another known-good tweeter or contact support.
Distorted or harsh sound	<ul style="list-style-type: none">• Overpowering the tweeter• Incorrect gain settings on amplifier• Poor quality audio source• Tweeter damage	<ul style="list-style-type: none">• Reduce amplifier gain or volume.• Adjust equalizer settings to reduce excessive high frequencies.• Test with a different audio source.• Inspect tweeter for physical damage.
Hissing sound	<ul style="list-style-type: none">• Excessive gain or high-frequency boost• Ground loop interference	<ul style="list-style-type: none">• Reduce high-frequency settings on your receiver/equalizer.• Check for proper grounding of all audio components.

6. SPECIFICATIONS

Detailed technical specifications for the PRV AUDIO TW700Ti Black 4 Inch Titanium Bullet Tweeter:

Model Name: TW700Ti BLACK

Speaker Type: Tweeter

Mounting Type: Car Mount

Material: Titanium, Metal/Plastic

Color: Black

Impedance: 8 Ohms

Speaker Size: 4 Inches

Tweeter Diameter: 1.5 Inches

Speaker Maximum Output Power: 480 Watts

Frequency Response: 1 KHz - 20 KHz (up to 20,000 Hz)

Sensitivity: 107 dB at 1W/1m

Product Dimensions: 2.97"D x 4.05"W x 4.05"H

Item Weight: 3.48 Pounds

Included Components: 1x TW700Ti Black Tweeter (with built-in capacitor)

Connectivity Technology: Wired

Recommended Uses For Product: For Music Players, Upgrading car audio systems

Manufacturer: PRV AUDIO

UPC: 799928735070

7. WARRANTY AND SUPPORT

7.1 Warranty Information

The PRV AUDIO TW700Ti tweeter comes with a Limited Warranty. For specific details regarding warranty coverage, duration, and terms, please refer to the documentation included with your purchase or visit the official PRV AUDIO website.

7.2 Customer Support

If you require technical assistance, have questions about installation, or need to report a defect, please contact PRV AUDIO customer support. Contact information can typically be found on the product packaging or the official PRV AUDIO website.

