

[Manuals.plus](#) /

› [ePathChina](#) /

› ePathChina 4-Inch 1500W Titanium Bullet Tweeter User Manual (Model: ePathChina-TB1500)

ePathChina ePathChina-TB1500

ePathChina 4-Inch 1500W Titanium Bullet Tweeter User Manual

Model: ePathChina-TB1500

1. INTRODUCTION

Thank you for choosing the ePathChina 4-Inch 1500W Titanium Bullet Tweeters. These tweeters are designed to enhance your vehicle's audio system by providing clear and crisp high-frequency sound reproduction. This manual provides essential information for proper installation, operation, and maintenance to ensure optimal performance and longevity of your product.

2. SAFETY INFORMATION

- Always disconnect the vehicle's battery before performing any electrical work to prevent short circuits and electrical shock.
- Ensure all wiring connections are secure and properly insulated to avoid electrical hazards and signal interference.
- Do not expose the tweeters to excessive moisture or extreme temperatures.
- If you are unsure about any installation steps, consult a professional car audio installer.
- Avoid listening to audio at excessively high volumes for prolonged periods, as this can cause hearing damage and damage to the speakers.

3. PACKAGE CONTENTS

The package includes the following items:

- 2 x ePathChina 4-Inch Titanium Bullet Tweeters

4. PRODUCT OVERVIEW

The ePathChina Titanium Bullet Tweeters are designed for high-frequency sound reproduction in vehicle audio systems. Each tweeter features a robust construction with a titanium diaphragm and an integrated capacitor for crossover functionality.



Figure 4.1: Front and back view of the tweeter, showing the bullet-shaped phase plug and the rear magnet structure with the capacitor.



Figure 4.2: Detailed dimensions of the tweeter, indicating a 95mm (3.74in) diameter and 36mm (1.42in) depth.

High Performance Strong Magnetic Steel



Figure 4.3: Close-up view of the strong magnetic steel component, crucial for efficient sound production.

Plug Free Welding Interface



Figure 4.4: Detail of the integrated capacitor and the plug-free welding interface for electrical connections.

The Ball Top Treble Is Smooth, Gentle And Pleasant



Figure 4.5: View of the bullet-shaped phase plug, designed to provide smooth, gentle, and pleasant treble reproduction.

High-Quality High Temperature Resistant,
Anti-Aging PE Rubber Edge



Figure 4.6: Detail of the durable, high-temperature resistant, and anti-aging PE rubber edge, ensuring longevity and consistent performance.

5. SETUP AND INSTALLATION

Proper installation is crucial for optimal sound quality and product longevity. Follow these general guidelines:

1. **Choose Mounting Location:** Select a suitable location in your vehicle, typically on the dashboard, A-pillars, or door panels, where the tweeters can provide optimal sound dispersion. Ensure there is enough

depth for the tweeter and its magnet structure.

2. **Prepare Mounting Surface:** If custom mounting, carefully cut the necessary holes for the tweeters. Ensure the holes are clean and free of debris.
3. **Wiring:** The tweeters come with an integrated capacitor. This capacitor acts as a passive crossover, filtering out lower frequencies to protect the tweeter and ensure clear high-frequency output. Connect the tweeter's positive (+) terminal to the positive (+) output of your amplifier or head unit, and the negative (-) terminal to the negative (-) output. Ensure the capacitor is inline with the positive wire.
4. **Secure Tweeters:** Mount the tweeters securely using appropriate screws or mounting hardware.
5. **Test System:** Before reassembling interior panels, test the audio system to ensure both tweeters are functioning correctly and producing clear sound.



Figure 5.1: Side profile of the tweeter, highlighting the yellow capacitor connected to the wiring terminal.



Figure 5.2: Top view of the tweeter, illustrating the three mounting holes for secure installation.



Figure 5.3: Illustrative image showing potential placement of tweeters within a car's audio system, often integrated into speaker boxes or custom mounts.

6. OPERATING INSTRUCTIONS

Once the tweeters are correctly installed and wired into your vehicle's audio system, their operation is integrated with your car stereo or amplifier. No separate controls are typically required for the tweeters themselves.

- **Power On:** Turn on your car's ignition and audio system.
- **Audio Source:** Select your desired audio source (radio, CD, Bluetooth, etc.).
- **Volume Adjustment:** Adjust the volume on your head unit or amplifier to a comfortable listening level.
- **Tone Control:** Use your head unit's equalizer or tone controls (treble, bass) to fine-tune the sound to your preference. The tweeters are designed to reproduce high frequencies, so adjusting the treble settings will directly impact their output.

The integrated capacitor ensures that only high frequencies reach the tweeter, protecting it from damaging low-frequency signals and contributing to clear treble output.

7. MAINTENANCE

To maintain the performance and appearance of your tweeters, follow these simple maintenance tips:

- **Cleaning:** Gently wipe the tweeter's surface with a soft, dry, or slightly damp cloth. Avoid using harsh chemicals or abrasive cleaners, as these can damage the finish or components.
- **Inspection:** Periodically check the wiring connections to ensure they remain secure.
- **Environmental Protection:** While designed for vehicle use, avoid prolonged exposure to direct sunlight or extreme temperatures when possible, as this can affect material longevity.

8. TROUBLESHOOTING

If you encounter issues with your tweeters, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
No sound from tweeter	• Loose or incorrect wiring connection • No power to amplifier/head unit • Damaged tweeter	• Check all wiring connections for proper polarity and secure fit. • Ensure your car audio system is powered on and functioning. • If connections are correct and power is present, the tweeter may be damaged and require replacement.
Distorted or poor sound quality	• Incorrect audio settings (e.g., treble too high) • Overpowering the tweeter • Loose mounting • Damaged tweeter	• Adjust treble settings on your head unit. • Reduce volume to prevent overpowering. • Ensure the tweeter is securely mounted. • If distortion persists, the tweeter may be damaged.
Intermittent sound	• Loose wiring connection • Faulty cable	• Inspect and secure all wiring connections. • Test with a different cable if possible to rule out cable issues.

If these steps do not resolve the issue, please contact customer support or a qualified technician.

9. SPECIFICATIONS

Detailed technical specifications for the ePathChina 4-Inch Titanium Bullet Tweeters:

Feature	Specification
Model Number	ePathChina-TB1500
Speaker Type	Tweeter

Feature	Specification
Speaker Size	4 Inches (10.2 cm)
Material Type	Metal
Impedance	8 Ω
Frequency Range	3KHz - 22KHz
Audio Sensitivity	109dB
Signal-to-Noise Ratio	91dB
Peak Power Handling	1500W
RMS Power Handling	450W
Input Voltage	12 Volts
Product Dimensions (L*W*H)	95*73*36 MM / 3.74*2.87*1.42 Inches
Item Weight	1060 G / 2.34 Pounds (for the pair)
Included Components	2 x Tweeters (with integrated capacitors)
Recommended Uses	Vehicle, Car Audio Systems

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided at the time of purchase or contact your retailer. You may also visit the official ePathChina website for further assistance. When contacting support, please have your product model number (ePathChina-TB1500) and purchase details readily available.