Bazooka BTA10250D

Bazooka BTA10250D BT Series 10-Inch 250-Watt Class D Amplified Tube User Manual

Model: BTA10250D

Overview Features Setup Operation Maintenance Troubleshooting Specifications Warranty & Support

1. Product Overview

The Bazooka BTA10250D BT Series 10-Inch 250-Watt Class D Amplified Tube is a self-contained bass solution designed to enhance the audio experience in vehicles. It features a powerful Class D amplifier integrated with a 10-inch subwoofer within a patented Bass Tubes enclosure. This design optimizes bass output and allows for flexible placement within various vehicle types.



Figure 1.1: Front view of the Bazooka BTA10250D Amplified Tube.

2. Key Features

- **200-Watt Powered 10" Bass Tube:** Features a 10" woofer with treated foam surround and a built-in Class D amplifier delivering 200 Watts RMS at 4 Ohms (250 Watts Max).
- **Integrated Class D Amplifier:** Performance-matched to the subwoofer for efficient power conversion into bass. Simplifies installation and eliminates power loss.
- **Patented Bass Tubes Enclosure Design:** Utilizes the tube shape as a natural pressure vessel for efficient sound output, preventing sound from getting trapped in corners.
- **Corner-Loading Optimization:** Specifically designed to take advantage of vehicle corners, which act like a megaphone to substantially increase bass performance.
- **Flexible Connectivity:** Includes Preamp- and Speaker-Level Inputs for versatile connection options.
- **Optional Speaker-Level Outputs:** Allows for connecting a second passive Bass Tube (sold separately) to double bass output.
- **Adjustable Low-Pass Filter:** (60-250 Hz) for fine-tuning the bass response.
- **Durable Construction:** Features a protective grill to prevent accidental damage to the subwoofer.
- **Easy Installation:** Comes with mounting straps, wire harnesses, and hardware for quick setup.



Figure 2.1: The patented Bass Tubes design for superior bass performance.

3. Setup and Installation

The Bazooka BTA10250D is designed for straightforward installation in most vehicles. The package includes all necessary wiring harnesses, mounting straps, and hardware.

3.1. Placement Considerations

For optimal performance, the Bass Tube should be placed in a corner of your vehicle's cargo area or trunk. This "corner-loading" technique utilizes the vehicle's interior acoustics to amplify the bass output, similar to how a megaphone amplifies sound.



Figure 3.1: Recommended corner placement for amplified bass output.

3.2. Wiring and Connections

The BTA10250D comes with a wiring harness for easy connection. Follow these general steps:

1. **Power Connection:** Connect the main power wire to the vehicle's battery (ensure an inline fuse is used, 15 amp recommended).
2. **Ground Connection:** Securely ground the unit to a clean, unpainted metal surface on the vehicle chassis.
3. **Remote Turn-On:** Connect the remote turn-on wire to your head unit's remote output or an ignition-switched 12V source.
4. **Audio Input:** Use either RCA inputs (for head units with preamp outputs) or speaker-level inputs (for factory head units without RCA outputs).
5. **Optional Second Tube:** If connecting a passive tube, use the dedicated speaker-level outputs (BROWN and YELLOW wires on the 14-pin Molex plug) for a 2-ohm load, delivering a total of 300 watts.

3.3. Securing the Unit

Use the provided mounting straps to securely fasten the Bass Tube in your chosen location. This prevents movement during driving and ensures consistent performance. Optional Chrome-Plated UMS Brackets are available for a more permanent installation.



Figure 3.2: Rear view of the Bazooka BTA10250D, highlighting connection points.

3.4. Installation Video Guide

For a visual guide on the installation process and benefits of Bazooka Bass Tubes, please watch the official video below:

Your browser does not support the video tag.

Video 3.1: An official video from Bazooka explaining the benefits and ease of installation of their Bass Tubes. This video demonstrates the patented design, corner-loading principle, and simple 4-step installation process (connect, ground, hide, secure).

4. Operation

Once installed, the Bazooka BTA10250D is ready to deliver powerful bass. Adjustments can be made to fine-tune the sound to your preference.

4.1. Initial Power-Up

After all connections are made and verified, turn on your vehicle's ignition and audio system. The Bass Tube should power on automatically via the remote turn-on wire.

4.2. Adjusting Bass Output

- **Gain Control:** Located on the amplifier, this control adjusts the input sensitivity. Start with the gain set to minimum and slowly increase it until the desired bass level is achieved without distortion.
- **Low-Pass Filter (Crossover):** The adjustable crossover range is 80-250 Hz. This filter allows you to control which

frequencies the subwoofer reproduces. Setting it correctly ensures a seamless blend with your main speakers. Experiment with settings to find the best integration with your vehicle's audio system.

- **Optional Remote Control (RBCM-250D):** For convenient bass level adjustment from the driver's seat, an optional remote control (RBCM-250D) can be connected. This allows for on-the-fly adjustments based on music genre or personal preference.

5. Maintenance

The Bazooka BTA10250D is designed for durability and requires minimal maintenance.

- **Cleaning:** Periodically wipe down the exterior of the tube with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Connections:** Occasionally check all wiring connections to ensure they are secure and free from corrosion. Loose connections can lead to poor performance or damage.
- **Grill Protection:** The integrated grill protects the subwoofer cone. Ensure it remains intact and free from obstructions.

6. Troubleshooting

If you experience issues with your Bazooka BTA10250D, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Sound Output	No power, loose connections, incorrect input source, amplifier protection mode.	Check power and ground connections. Verify remote turn-on signal. Ensure audio input cables are correctly connected. Check head unit settings.
Distorted Sound	Gain set too high, improper crossover setting, damaged speaker.	Reduce gain level. Adjust low-pass filter. Check for physical damage to the subwoofer cone.
Unit Not Turning On	Blown fuse, no remote turn-on signal, power cable disconnected.	Check the inline fuse (15 amp). Verify remote turn-on wire connection. Ensure main power cable is securely connected to the battery.
Weak Bass	Incorrect gain setting, phase issue, poor placement, insufficient power.	Increase gain. Check phase setting on head unit (if available). Re-evaluate placement for optimal corner loading. Ensure adequate power supply.

If problems persist after attempting these solutions, please contact Bazooka customer support or consult a professional audio installer.

7. Technical Specifications

Specification	Detail
Model Name	BTA10250D
Speaker Type	Subwoofer
Subwoofer Diameter	10 Inches

Specification	Detail
Speaker Maximum Output Power	250 Watts
Power Output (RMS @ 4 Ohm)	200 Watts
Power Output (RMS @ 2 Ohm)	275 Watts
Frequency Response	35Hz-250Hz
Sensitivity	104dB
Fuse	15 amp Inline
Crossover Range	80-250 Hz
RCA Input	Yes
Hi Level Input	Yes
Product Dimensions (D x W x H)	26"D x 13"W x 13"H
Item Weight	19.76 pounds
Included Components	Mounting Straps, Wire Harnesses, Hardware
Warranty Type	Limited

8. Warranty and Support

The Bazooka BTA10250D BT Series 10-Inch 250-Watt Class D Amplified Tube comes with a**Limited Warranty**. For specific warranty terms and conditions, please refer to the official documentation included with your product or visit the Bazooka website.
For additional support, troubleshooting, or to download the full installation manual, please visit the official Bazooka website or contact their customer service department.
You can also find the official Installation Manual (PDF)**here**.

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