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## Audiopipe TXX-BD2-12

# Audiopipe TXX-BD2-12 12-inch 1500W DVC Woofer Instruction Manual

Model: TXX-BD2-12 | Brand: Audiopipe

## INTRODUCTION

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This manual provides essential information for the proper installation, operation, and maintenance of your Audiopipe TXX-BD2-12 12-inch Dual Voice Coil (DVC) Woofer. Please read this manual thoroughly before using the product to ensure optimal performance and longevity. Keep this manual for future reference.

## PRODUCT FEATURES

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- **Power Handling:** 750 Watts RMS, 1500 Watts Peak.
- **Voice Coils:** Dual 4 Ohm, 2.5-inch, 4-layer voice coils for flexible wiring configurations.
- **Basket:** Durable powdered black steel basket.
- **Magnet Structure:** Double stacked strontium magnets for powerful performance.
- **Terminal:** Patented pipe multi-connect terminal for secure connections.
- **Frequency Response:** Designed to reproduce low frequencies from 20-900Hz.
- **Sensitivity:** 88dB for efficient sound output.

## WHAT'S IN THE BOX

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Upon unpacking, please ensure all items are present and in good condition:

- Audiopipe TXX-BD2-12 12-inch DVC Woofer (Quantity as purchased)
- User Manual (this document)



Figure 1: Front view of the Audiopipe TXX-BD2-12 12-inch DVC Woofer.



Figure 2: Side view of the Audiopipe TXX-BD2-12 12-inch DVC Woofer, highlighting the voice coil and terminals.

## SETUP AND INSTALLATION

Proper installation is crucial for the performance and safety of your subwoofer. It is highly recommended that installation be performed by a qualified professional. Incorrect wiring or enclosure design can lead to damage to the subwoofer or your audio system.

### Enclosure Requirements

The TXX-BD2-12 woofer requires a suitable enclosure for optimal sound reproduction. Consult the wiring configuration diagrams provided in the packaging for recommended enclosure types and dimensions. The top-mount depth is 7-1/4 inches.

### Wiring Configurations

This woofer features dual 4-ohm voice coils, offering flexibility for various wiring options (series, parallel, or series-parallel) to achieve desired impedance loads for your amplifier. Refer to the included wiring diagrams for detailed instructions on connecting your subwoofer(s) to your amplifier. Ensure the amplifier's impedance rating matches the final impedance of your subwoofer configuration.

### Power Connection

Connect the subwoofer to a compatible amplifier using appropriate gauge wiring. Ensure all connections are

secure and properly insulated to prevent short circuits. The subwoofer operates on a 12V power source, typical for car audio systems.

## OPERATING INSTRUCTIONS

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Once installed, follow these guidelines for operating your Audiopipe TXX-BD2-12 woofer:

- **Break-in Period:** Allow a break-in period of several hours of moderate listening before operating the subwoofer at high volumes. This allows the suspension components to loosen and perform optimally.
- **Volume Control:** Gradually increase the volume to avoid overdriving the subwoofer. Distortion indicates that the amplifier or subwoofer is being pushed beyond its limits.
- **Amplifier Settings:** Properly set your amplifier's gain, crossover, and bass boost settings. An LPF (Low Pass Filter) is essential to ensure the subwoofer only reproduces low frequencies.
- **Listening Environment:** The acoustic properties of your vehicle will affect sound quality. Experiment with subwoofer placement and settings to achieve the best sound.

## MAINTENANCE

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To ensure the longevity and optimal performance of your subwoofer, follow these maintenance tips:

- **Cleaning:** Regularly clean the subwoofer cone and surround with a soft, dry cloth. Avoid using harsh chemicals or excessive moisture.
- **Inspection:** Periodically inspect the wiring connections for tightness and corrosion. Check the subwoofer's surround for any signs of cracking or damage.
- **Environmental Protection:** Protect the subwoofer from extreme temperatures, direct sunlight, and moisture.

## TROUBLESHOOTING

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If you experience issues with your subwoofer, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Sound	No power to amplifier, loose wiring, incorrect amplifier settings.	Check amplifier power, verify all wiring connections, adjust amplifier settings (gain, crossover).
Distorted Sound	Amplifier gain too high, subwoofer overdriven, incorrect enclosure.	Reduce amplifier gain, lower volume, ensure proper enclosure design.
Weak Bass	Incorrect wiring (e.g., out of phase), low amplifier gain, improper crossover settings.	Verify wiring phase, increase amplifier gain, adjust LPF settings.
Subwoofer Overheating	Excessive power, insufficient ventilation, impedance mismatch.	Reduce power, ensure adequate airflow around the amplifier and subwoofer, verify correct impedance matching.

If problems persist after attempting these solutions, contact a qualified car audio technician or Audiopipe customer support.

## SPECIFICATIONS

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Feature	Detail
Model Name	TXX-BD2-12
Speaker Type	Subwoofer
Subwoofer Diameter	12 Inches
Power Handling (RMS)	750 Watts
Power Handling (Peak)	1500 Watts
Impedance	Dual 4 Ohms
Voice Coil	2.5-inch, 4-layer
Frequency Response	20-900Hz
Sensitivity	88dB
Top-Mount Depth	7-1/4 inches
Basket Material	Powdered Black Steel
Magnet Type	Double Stacked Strontium
Product Dimensions (D x W x H)	10.5"D x 14.5"W x 14.5"H
Item Weight	0.01 Ounces (Note: This weight appears to be a data entry error and is likely incorrect for a subwoofer of this size and power. Actual weight will be significantly higher.)
Connectivity Technology	Wired
Recommended Uses	Car audio systems

## WARRANTY AND SUPPORT

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This Audiopipe TXX-BD2-12 Woofer comes with a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Audiopipe website. For technical support, troubleshooting assistance, or service inquiries, please contact Audiopipe customer service through their official channels.

## IMPORTANT SAFETY INFORMATION

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- Always disconnect the vehicle's battery before performing any electrical work.
- Ensure proper ventilation for the amplifier and subwoofer to prevent overheating.
- Avoid prolonged exposure to extremely high volume levels, which can cause hearing damage.
- Securely mount the subwoofer and enclosure to prevent movement during vehicle operation.
- Do not expose the subwoofer to water or excessive moisture.