

American Bass DX-124

American Bass DX-124 12-inch Car Audio Subwoofer Instruction Manual

Model: DX-124 | Brand: American Bass

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your American Bass DX-124 12-inch Car Audio Subwoofer. Please read this manual thoroughly before attempting installation or operation to ensure optimal performance and safety. Retain this manual for future reference.

2. SAFETY INFORMATION

- Always disconnect the vehicle's battery negative terminal before beginning any electrical work.
- Ensure all wiring is properly insulated and secured to prevent short circuits and damage.
- Avoid installing the subwoofer in locations where it may obstruct vehicle operation or safety devices.
- Use appropriate gauge wiring for power and speaker connections to handle the subwoofer's power requirements.
- Consult a professional car audio installer if you are unsure about any aspect of the installation process.
- Do not expose the subwoofer to excessive moisture or extreme temperatures.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- American Bass DX-124 12-inch Subwoofer
- VFL 1900.1 Amp (if included as part of a bundle)

4. SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your subwoofer. It is recommended to have this unit installed by a qualified car audio technician.

4.1 Mounting the Subwoofer

The DX-124 subwoofer is designed for car mount applications. Select a sturdy, secure location within your vehicle, typically in a sealed or ported enclosure. Ensure adequate clearance for the subwoofer's excursion and proper ventilation for the voice coil cooling system.



Image 1: Front view of the American Bass DX-124 subwoofer, showcasing the cone and surround.

4.2 Wiring Connections

The DX-124 features chrome push terminals for secure speaker wire connections. This subwoofer has a 4 Ohm impedance and a 2-inch 4-layer high-temperature voice coil. Ensure your amplifier is stable at 4 Ohms and can provide sufficient power (up to 250W RMS, 600W Max) to the subwoofer.

- Connect the positive (+) terminal of the subwoofer to the positive (+) output of your amplifier.
- Connect the negative (-) terminal of the subwoofer to the negative (-) output of your amplifier.
- Use high-quality speaker wire of appropriate gauge to minimize power loss and ensure optimal sound quality.



Image 2: Rear view of the American Bass DX-124 subwoofer, showing the magnet structure and chrome push terminals for wiring.

4.3 Enclosure Design

The performance of your subwoofer is highly dependent on the enclosure it is installed in. Consult with a car audio specialist or refer to recommended enclosure specifications for the DX-124 to achieve the best acoustic results. The thick stamped basket with perimeter vents aids in voice coil cooling, contributing to the subwoofer's durability.

5. OPERATING INSTRUCTIONS

Once installed, follow these guidelines for operating your subwoofer system:

- **Amplifier Gain Setting:** Start with the amplifier gain set to minimum. Gradually increase the gain until the desired volume is achieved without distortion.
- **Crossover Settings:** Use your amplifier's or head unit's low-pass filter (LPF) to send only low frequencies to the subwoofer. A typical LPF setting for subwoofers is between 80Hz and 120Hz.
- **Bass Boost:** The DX-124 system may feature a bass boost function. Use this feature sparingly and with caution to avoid overdriving the subwoofer and amplifier, which can lead to damage.

- **Voice Control:** If your car audio system supports voice control for audio settings, you may be able to adjust certain parameters through voice commands. Refer to your head unit's manual for details.
- **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 up, improving performance and longevity.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and performance of your subwoofer:

- **Cleaning:** Use a soft, dry cloth to clean the subwoofer cone and surround. Avoid using harsh chemicals or excessive moisture.
- **Inspection:** Periodically check all wiring connections for tightness and corrosion. Inspect the subwoofer surround and cone for any signs of damage or wear.
- **Ventilation:** Ensure that the subwoofer's basket perimeter vents are not obstructed to allow for proper voice coil cooling.

7. TROUBLESHOOTING

If you experience issues with your DX-124 subwoofer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from subwoofer	<ul style="list-style-type: none">• Loose or incorrect wiring• Amplifier not powered on• Head unit settings incorrect• Blown fuse in amplifier or power line	<ul style="list-style-type: none">• Check all speaker and power connections.• Verify amplifier is receiving power and is turned on.• Ensure subwoofer output is enabled on head unit.• Inspect and replace any blown fuses.
Distorted or unclear bass	<ul style="list-style-type: none">• Amplifier gain set too high• Incorrect crossover settings• Subwoofer overdriven• Poor enclosure design	<ul style="list-style-type: none">• Reduce amplifier gain.• Adjust LPF settings on amplifier or head unit.• Lower volume or bass boost.• Consult a professional for enclosure optimization.
Subwoofer cuts out intermittently	<ul style="list-style-type: none">• Loose wiring connection• Amplifier overheating (thermal protection)• Improper impedance match	<ul style="list-style-type: none">• Check and secure all wiring.• Ensure amplifier has adequate ventilation.• Verify amplifier is stable at 4 Ohms.

8. SPECIFICATIONS

Model Name	DX-124
Brand	American Bass (AB Soft)
Subwoofer Diameter	12 Inches
Speaker Maximum Output Power	600 Watts (Peak)
RMS Power Handling	250 Watts
Impedance	4 Ohms
Magnet Weight	60 oz
Voice Coil	2-inch 4-layer Hi-Temp
Sensitivity	88.2 dB
Cone Material	Coated Light and Rigid Non-Pressed Paper
Surround Material	1.4-inch Wide Multi-Layer Foam
Basket Design	Thick Stamped Basket with Perimeter Vents (Black Powder Coated)
T-Yoke Design	1-PC Tech T-Yoke with Bottom Out Free Design
Terminals	Chrome Push Terminals
Enclosure Material	Metal
Connectivity Technology	Wired
Additional Features	Bass Boost
Item Weight	12 Pounds

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The American Bass DX-124 Subwoofer comes with a Limited 1 Year Warranty. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by improper installation, abuse, accident, or unauthorized modifications.

9.2 Customer Support

For technical assistance, warranty inquiries, or further information regarding your American Bass DX-124

subwoofer, please contact your authorized dealer or visit the official American Bass website for support resources.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question