

Infinity INFPRIMUS1270BAM

Infinity Primus 12-Inch Subwoofer Enclosure

MODEL: INFPRIMUS1270BAM

Brand: Infinity

Introduction

The Infinity Primus 12-inch loaded/ported subwoofer enclosure is engineered to deliver high-output, low-distortion bass. This unit features a lightweight yet stiff polypropylene woofer cone with a hi-roll rubber surround, designed for high efficiency and durability. It is optimized to interface effectively with a variety of amplifiers, providing the signature Infinity sound.

Key Features:

- **Compact Design:** Engineered for efficient space utilization.
- **Completely Tuned:** Optimized for balanced and powerful bass response.
- **HARMAN Standard Reliability Testing:** Ensures product durability and performance.
- **Affordable Price:** Delivers Infinity quality within an accessible price range.

Safety Information

Please read all instructions carefully before installing and operating your subwoofer enclosure. Failure to follow these instructions may result in serious injury or damage to your equipment.

- **Professional Installation Recommended:** For optimal performance and safety, professional installation by a qualified car audio technician is highly recommended.
- **Power Disconnection:** Always disconnect the vehicle's negative battery terminal before beginning any electrical installation.
- **Wiring:** Ensure all wiring is correctly connected, insulated, and secured to prevent short circuits and electrical hazards. Use appropriate gauge wiring for power and speaker connections.
- **Mounting:** Securely mount the subwoofer enclosure to prevent it from shifting during vehicle movement, which could cause injury or damage.
- **Ventilation:** Ensure adequate ventilation around the amplifier and subwoofer to prevent overheating.

- **Volume Levels:** Prolonged exposure to high volume levels can cause hearing damage. Adjust volume responsibly.
- **California Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Package Contents

Verify that all items are present in the package:

- 1 x Infinity Primus 12-Inch Subwoofer Enclosure (Model INFPRIMUS1270BAM)
- *(Additional accessories such as mounting hardware or wiring may be sold separately or included depending on the specific retail package.)*

Setup and Installation

This section provides general guidelines for installing your Infinity Primus subwoofer enclosure. Specific installation steps may vary depending on your vehicle and existing audio system.

1. **Choose a Mounting Location:** Select a secure location in your vehicle (e.g., trunk, cargo area) where the enclosure can be firmly mounted and will not obstruct safety features or passenger space. Ensure adequate clearance for the subwoofer's excursion and proper air circulation.
2. **Disconnect Power:** Before making any electrical connections, disconnect the negative (-) terminal from your vehicle's battery to prevent electrical shorts.
3. **Run Power and Ground Wires:**
 - Run a main power wire (typically 8-gauge or larger, depending on amplifier power) from the positive (+) battery terminal through the firewall to the amplifier location. Use an inline fuse holder within 18 inches of the battery.
 - Connect a ground wire of the same gauge from the amplifier to a clean, unpainted metal surface on the vehicle chassis.
4. **Run Signal Wires:**
 - Run RCA cables from your head unit (or line output converter) to the amplifier.
 - Run a remote turn-on wire from your head unit's remote output to the amplifier's remote input.
5. **Connect Speaker Wires to Amplifier:** Connect the speaker wires from the subwoofer enclosure to the appropriate subwoofer output terminals on your amplifier. Ensure correct polarity (+ to + and - to -). The Primus 1270BAM has a 4 Ohm impedance.
6. **Connect Subwoofer Enclosure:** The enclosure features spring-loaded terminals for easy connection.



Image: Rear view of the Infinity Primus subwoofer enclosure, highlighting the red and black speaker wire terminals. The red terminal is for the positive (+) connection, and the black terminal is for the negative (-) connection.

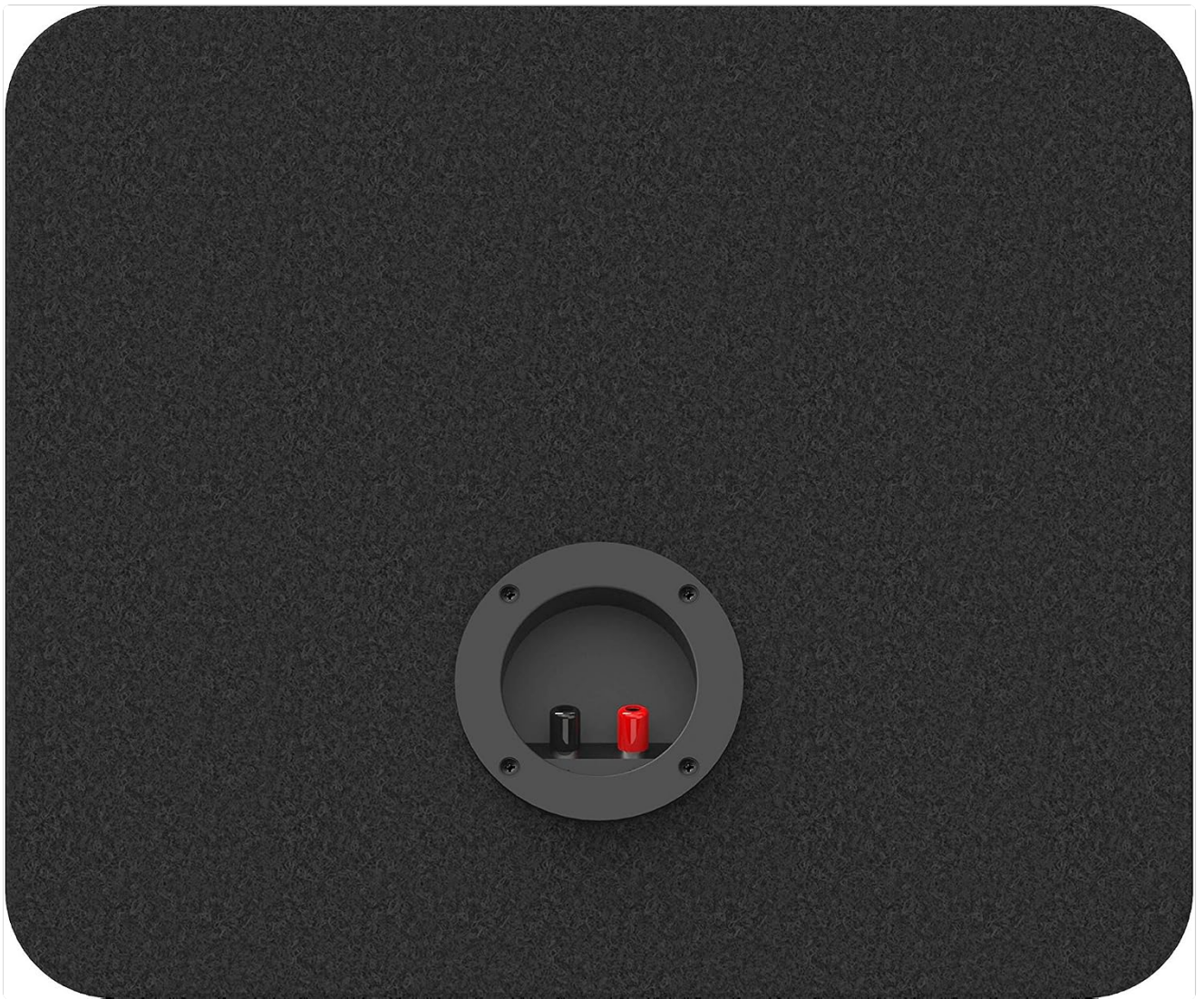


Image: Front view of the Infinity Primus 12-inch subwoofer enclosure, showcasing the subwoofer driver within the carpeted box.

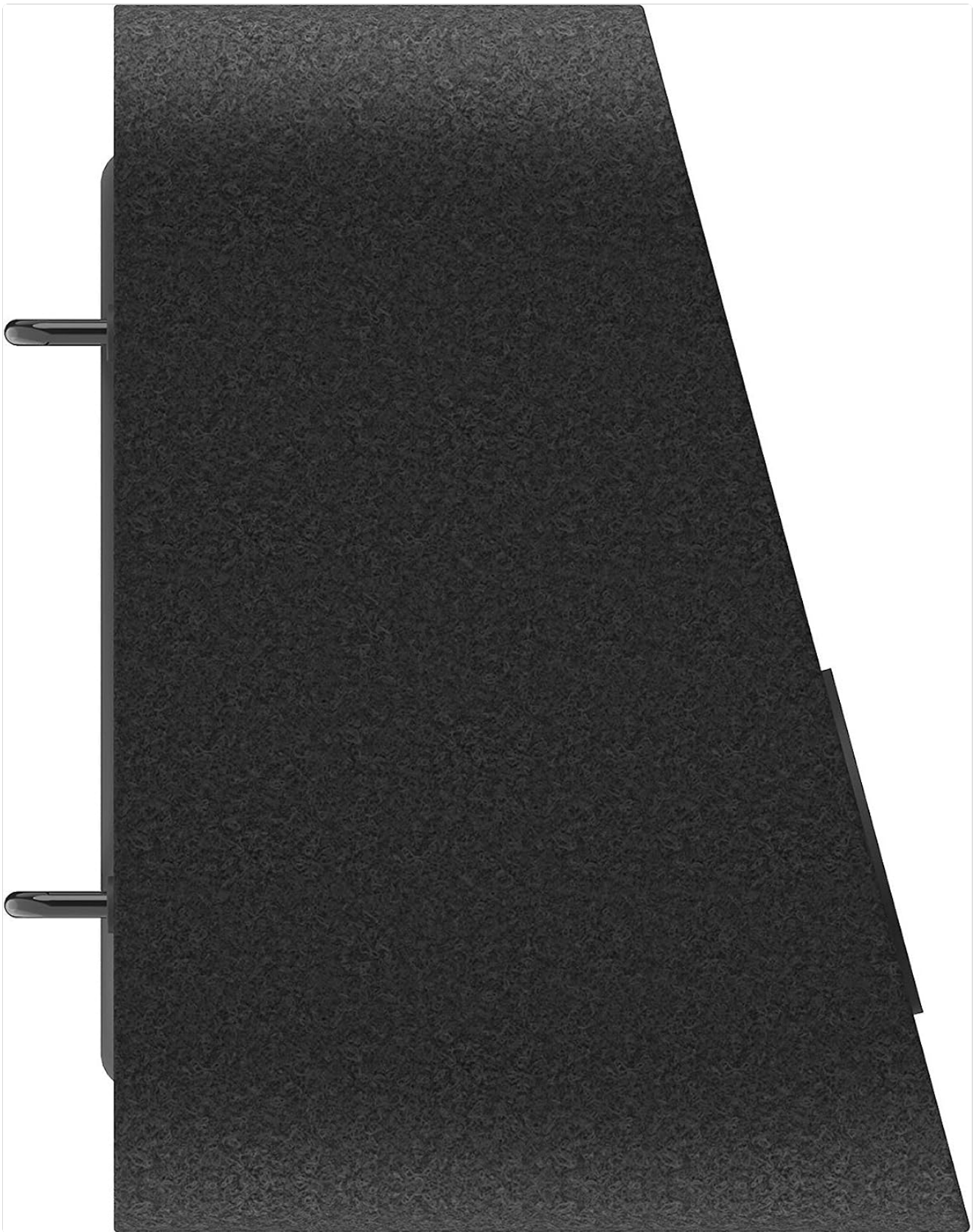


Image: Side profile of the Infinity Primus subwoofer enclosure, illustrating its angled design for flexible placement in a vehicle.

7. **Secure the Enclosure:** Use appropriate straps or brackets to firmly secure the subwoofer enclosure in its chosen location.
8. **Reconnect Battery:** Once all connections are made and secured, reconnect the negative (-) battery terminal.

Operating Instructions

The Infinity Primus subwoofer enclosure operates in conjunction with an external amplifier. Proper amplifier setup is

crucial for optimal performance and longevity.

1. **Amplifier Gain Setting:** Start with the amplifier's gain control set to minimum. Gradually increase the gain until the desired bass level is achieved without distortion. Avoid setting the gain too high, as this can lead to clipping and damage the subwoofer.
2. **Crossover Settings:** Use the low-pass filter (LPF) on your amplifier to send only low frequencies to the subwoofer. A common starting point is 80-100 Hz. Experiment to find the best blend with your main speakers.
3. **Bass Boost:** Use bass boost sparingly, if at all. Excessive bass boost can cause distortion and damage.
4. **Phase Control:** If your amplifier has a phase control (0°/180°), experiment with both settings to determine which provides the most impactful and cohesive bass response in your vehicle.
5. **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 and perform optimally.

Maintenance and Care

Proper care will ensure the longevity and performance of your subwoofer enclosure.

- **Cleaning:** Use a soft, dry cloth to wipe down the enclosure. For carpeted surfaces, a vacuum cleaner with a brush attachment can be used. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check all wiring connections to ensure they are secure and free from corrosion. Inspect the subwoofer cone and surround for any signs of damage.
- **Environmental Protection:** Avoid exposing the enclosure to extreme temperatures, direct sunlight for extended periods, or excessive moisture. The product is not water-resistant.
- **Secure Mounting:** Re-check mounting hardware periodically to ensure the enclosure remains securely fastened.

Troubleshooting

If you experience issues with your subwoofer enclosure, consult the following common troubleshooting steps.

Problem	Possible Cause	Solution
No Sound from Subwoofer	Amplifier not powered on. Loose or incorrect wiring. Head unit settings. Blown fuse.	Check amplifier power, ground, and remote turn-on connections. Verify all speaker and signal wires are securely connected and have correct polarity. Ensure subwoofer output is enabled and volume is up on the head unit. Check the inline fuse near the battery and any fuses on the amplifier.
Distorted Sound	Amplifier gain too high. Incorrect crossover settings. Damaged subwoofer.	Reduce amplifier gain until distortion disappears. Adjust LPF settings on the amplifier. Inspect the subwoofer cone and surround for physical damage.
Weak Bass	Amplifier gain too low. Incorrect phase setting. Subwoofer polarity reversed.	Increase amplifier gain gradually. Toggle the phase switch (0°/180°) on the amplifier. Verify speaker wire polarity (+ to + and - to -).

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

Technical Specifications

Feature	Specification
Brand	Infinity
Model Number	INFPRIMUS1270BAM
Subwoofer Diameter	12 Inches
Speaker Maximum Output Power	600 Watts
Frequency Response	200 Hz
Impedance	4 Ohms
Connectivity Technology	Auxiliary, Wired
Audio Output Mode	Stereo
Mounting Type	Car Mount
Item Dimensions (D x W x H)	13"D x 24.13"W x 11.25"H
Item Weight	26.5 Pounds
Power Source	Corded Electric (via amplifier)
Water Resistance Level	Not Water Resistant
UPC	050667374303

Warranty and Support

Warranty: This Infinity Primus subwoofer enclosure comes with a 1-Year Manufacturer Warranty. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by improper installation, abuse, accident, neglect, or unauthorized modification.

Customer Support: For technical assistance, warranty inquiries, or service, please contact Infinity customer support. Refer to the official Infinity website for the most current contact information.

[Visit the Infinity Store on Amazon](#)

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