

[Manuals.plus](#) /

> [Infinity](#) /

> [Infinity Primus 1200 Car Audio Subwoofer User Manual](#)

Infinity Primus 1200

Infinity Primus 1200 Car Audio Subwoofer User Manual

Model: Infinity Primus 1200

[Installation](#) [Operation](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty & Support](#)

1. PRODUCT OVERVIEW

The Infinity Primus 1200 is a high-performance 12-inch car audio subwoofer designed to deliver powerful and clear bass output. This manual provides essential information for the proper installation, operation, and maintenance of your subwoofer to ensure optimal performance and longevity.



Figure 1: Overview of Infinity Primus 1200 Subwoofers.

Key Features:

- **Size:** 12-inch subwoofer for enhanced bass output.
- **Peak Power Handling:** Up to 1200 Watts.
- **Frequency Response:** 35-200 Hz, providing deep and resonant low frequencies.

- **Impedance:** 4 Ohms, compatible with a wide range of car audio amplifiers.
- **Sensitivity:** 90 dB, ensuring efficient power conversion into sound.
- **Enclosure Material:** Durable polypropylene cone and stamped steel basket for robust performance.

2. SETUP & INSTALLATION

Proper installation is crucial for the performance and safety of your subwoofer. It is recommended that installation be performed by a qualified professional. Always disconnect the vehicle's battery before beginning any electrical work.

2.1 Unpacking and Inspection

Carefully remove the subwoofer from its packaging. Inspect the unit for any signs of damage during shipping. Ensure all components listed in the package contents are present. The package contents include the Infinity Primus 1200 subwoofer speaker only.



Figure 2: Front view of the Infinity Primus 1200 Subwoofer.

2.2 Mounting Location

The Infinity Primus 1200 is designed for car mount applications. Choose a sturdy location within your vehicle that can accommodate the 12-inch diameter and provide adequate air space for optimal sound. Common locations include the trunk or a custom enclosure behind the seats. Ensure the mounting surface is flat and secure.

2.3 Enclosure Requirements

For best performance, install the subwoofer in a sealed or ported enclosure designed for a 12-inch driver. Refer to your amplifier's manual and subwoofer specifications for recommended enclosure volumes and port tuning frequencies. The subwoofer features a polypropylene cone and stamped steel basket, which are robust for various enclosure types.



Figure 3: Angled view of the Infinity Primus 1200 Subwoofer.

2.4 Wiring Connections

Connect the subwoofer to a compatible car audio amplifier using appropriate gauge speaker wire. The Primus 1200 has a 4 Ohm impedance. Ensure your amplifier is stable at this impedance. Observe correct polarity (+ to + and - to -) to prevent phase issues that can degrade sound quality. Refer to your amplifier's manual for specific wiring diagrams.



Figure 4: Rear view of the Infinity Primus 1200 Subwoofer, showing the magnet structure and wiring terminals.

3. OPERATION

Once installed, follow these guidelines for operating your Infinity Primus 1200 subwoofer.

3.1 Initial Power-Up

1. After completing all wiring, reconnect the vehicle's battery.
2. Turn on your car audio system.
3. Start with the amplifier's gain setting at its minimum.
4. Gradually increase the volume of your head unit and slowly adjust the amplifier's gain until the desired bass level is achieved without distortion.

3.2 Adjusting Settings

Your amplifier may have various settings such as low-pass filter (LPF), bass boost, and phase control. Adjust these

settings to blend the subwoofer's output seamlessly with your main speakers. The subwoofer itself features Bass Boost capabilities, which should be fine-tuned via your amplifier for optimal sound.



Figure 5: Top-down view of the Infinity Primus 1200 Subwoofer.

3.3 Optimal Usage

Avoid operating the subwoofer at excessively high volumes for extended periods, especially if distortion is present. This can lead to damage to the subwoofer and amplifier. Listen for signs of distortion (e.g., muddy bass, rattling sounds) and reduce the volume or adjust settings accordingly.

4. MAINTENANCE

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

4.1 Cleaning

Use a soft, dry cloth to clean the subwoofer cone and surround. Avoid using harsh chemicals or abrasive cleaners, as these can damage the materials. Keep the area around the subwoofer free from dust and debris.

4.2 Inspection

Periodically inspect the subwoofer for any signs of wear or damage, such as tears in the surround, loose connections, or unusual noises. Address any issues promptly to prevent further damage.



Figure 6: Another angled view of the Infinity Primus 1200 Subwoofer.

4.3 Storage

If storing the subwoofer for an extended period, ensure it is kept in a cool, dry place away from direct sunlight and extreme temperatures. Protect it from physical damage and dust.

5. TROUBLESHOOTING

If you experience issues with your Infinity Primus 1200 subwoofer, refer to the following common problems and solutions.

5.1 No Sound from Subwoofer

- **Check Power:** Ensure the amplifier is receiving power and is turned on. Check fuses.
- **Check Connections:** Verify all wiring connections (power, ground, remote, RCA, speaker wires) are secure and correctly connected.
- **Check Head Unit Settings:** Ensure the subwoofer output is enabled and volume is not muted on your car's head unit.
- **Amplifier Settings:** Confirm the amplifier's gain is set appropriately and the low-pass filter is active.

5.2 Distorted Sound

- **Gain Setting:** Reduce the amplifier's gain. Too high a gain can cause clipping and distortion.
- **Volume Level:** Lower the overall system volume.

- **Enclosure Issues:** Check the subwoofer enclosure for air leaks or loose panels.
- **Damaged Subwoofer:** Inspect the subwoofer cone and surround for physical damage.

5.3 Subwoofer Overheating

- **Impedance Mismatch:** Ensure the subwoofer's impedance (4 Ohms) matches the amplifier's stable operating impedance.
- **Ventilation:** Ensure the amplifier and subwoofer have adequate ventilation.
- **Excessive Power:** Reduce the power output to the subwoofer.

6. SPECIFICATIONS

The following table outlines the key technical specifications for the Infinity Primus 1200 Subwoofer.

Feature	Specification
Brand	Infinity
Model Number	Infinity PRIMUS 1200
Speaker Type	Subwoofer
Subwoofer Diameter	12 Inches
Peak Power Handling	1200 Watts
Frequency Response	35-200 Hz
Impedance	4 Ohms
Sensitivity	90 dB
Enclosure Material	Polypropylene, Stamped Steel
Mounting Type	Car Mount
Connectivity Technology	Wired
Additional Features	Bass Boost
Color	Gold



Figure 7: Detailed rear view of the Infinity Primus 1200 Subwoofer with model details.

7. WARRANTY & SUPPORT

7.1 Warranty Information

The Infinity Primus 1200 Subwoofer comes with a **Limited Warranty**. Please refer to the warranty card included with your product or visit the official Infinity website for detailed terms and conditions regarding coverage, duration, and claims procedures.

7.2 Customer Support

For technical assistance, troubleshooting, or service inquiries, please contact Infinity customer support. You can find contact information on the official Infinity website or in the product packaging.

Visit the official [Infinity Store](#) for more products and information.



© 2023 Infinity. All rights reserved. Information in this manual is subject to change without notice.