

Infinity KAPPA1200W

Infinity KAPPA1200W 1200 Watt Subwoofer User Manual

Model: KAPPA1200W

1. INTRODUCTION

The Infinity KAPPA1200W is a high-performance 12-inch car audio subwoofer designed to enhance your vehicle's sound system with powerful and clear bass. This manual provides essential information for the proper installation, operation, and maintenance of your subwoofer.

Key features include:

- 12-inch speaker size
- Up to 1200 Watts peak power handling
- Designed for car audio applications

2. SAFETY INFORMATION

Please read all safety instructions carefully before installing or operating the subwoofer. Failure to follow these guidelines may result in injury or damage to the product or vehicle.

- **Disconnect Power:** Always disconnect the vehicle's negative battery terminal before beginning any installation work to prevent electrical shorts.
- **Professional Installation:** If you are unsure about any part of the installation process, consult a qualified car audio professional.
- **Proper Wiring:** Ensure all wiring connections are secure and correctly polarized. Incorrect wiring can damage the subwoofer and amplifier.
- **Ventilation:** Install the subwoofer in a location that allows for adequate ventilation to prevent overheating.
- **Environmental Conditions:** Avoid exposing the subwoofer to moisture, direct sunlight, or extreme temperatures.
- **Volume Levels:** Prolonged exposure to high volume levels can cause hearing damage.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Infinity KAPPA1200W Subwoofer
- User Manual (this document)
- Mounting hardware (may vary by package)

4. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and longevity of your subwoofer. The KAPPA1200W is designed for flush mount installation within a suitable enclosure.

4.1 Enclosure Selection

The performance of your subwoofer is highly dependent on the enclosure it is mounted in. Consult your amplifier's manual and subwoofer specifications for recommended enclosure types and volumes (sealed or ported) to match your listening preferences and vehicle acoustics.

4.2 Mounting the Subwoofer

1. Prepare the enclosure: Ensure the mounting hole is cut precisely to the subwoofer's diameter (12 inches).
2. Position the subwoofer: Carefully place the subwoofer into the mounting hole.
3. Secure the subwoofer: Use appropriate screws and mounting hardware to firmly attach the subwoofer to the enclosure. Do not overtighten.



Figure 1: Front view of the Infinity KAPPA1200W subwoofer cone and surround, ready for mounting.

4.3 Wiring Connections

The KAPPA1200W connects to your amplifier using Auxiliary or RCA connectivity. Ensure correct polarity (+ to + and - to -) to avoid phase issues and damage.

- Connect the subwoofer's terminals to the amplifier's subwoofer output terminals.
- Refer to your amplifier's manual for specific wiring configurations (e.g., parallel or series for multiple subwoofers, if applicable).
- Ensure all connections are tight and free from corrosion.



Figure 2: Side profile of the Infinity KAPPA1200W subwoofer, showing the terminal connections and impedance selector switch.

5. OPERATING INSTRUCTIONS

Once installed and wired correctly, the KAPPA1200W subwoofer operates as an integral part of your car audio system. Its power source is the vehicle's battery, supplied via your amplifier.

- **System Power-Up:** Turn on your car's ignition and head unit. The amplifier connected to the subwoofer should power on automatically.
- **Initial Settings:** Start with your amplifier's gain and crossover settings at their lowest or recommended starting points. Gradually increase the gain until the desired bass level is achieved without distortion.
- **Remote Control:** If your amplifier or head unit includes a remote control for subwoofer level, use it for convenient adjustments.
- **Break-in Period:** Allow a break-in period of several hours of moderate listening before operating the subwoofer at maximum output. This allows the suspension components to loosen and perform optimally.

6. MAINTENANCE

Regular maintenance ensures the longevity and consistent performance of your subwoofer.

- **Cleaning:** Use a soft, dry, lint-free cloth to gently wipe the subwoofer cone and surround. Avoid using harsh chemicals or abrasive cleaners.
- **Connection Check:** Periodically inspect all wiring connections to ensure they remain secure and free from corrosion. Loose connections can lead to poor performance or damage.
- **Physical Inspection:** Check the subwoofer cone and surround for any signs of damage, tears, or punctures.
- **Avoid Over-Excursion:** Do not apply excessive force to the subwoofer cone, as this can cause

permanent damage.

7. TROUBLESHOOTING

If you experience issues with your Infinity KAPPA1200W subwoofer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Sound from Subwoofer	Loose or incorrect wiring Amplifier not powered on No signal from head unit Amplifier in protect mode	Check all power, ground, remote, and signal wires. Ensure correct polarity. Verify amplifier power indicator. Check fuses. Ensure head unit is sending an audio signal to the amplifier. Turn off system, check for shorts, and restart.
Distorted or Unclear Bass	Amplifier gain set too high Incorrect crossover settings Damaged subwoofer or wiring Improper enclosure	Reduce amplifier gain. Adjust low-pass filter (LPF) on amplifier or head unit. Inspect subwoofer cone and surround for damage. Check wiring for shorts. Ensure enclosure volume and type match subwoofer requirements.
Weak or Insufficient Bass	Amplifier gain set too low Incorrect phase setting Subwoofer wired out of phase Underpowered amplifier	Increase amplifier gain gradually. Adjust phase switch on amplifier (0° or 180°). Verify positive and negative terminals are correctly connected. Ensure amplifier provides sufficient power (RMS) for the subwoofer.

If the problem persists after trying these solutions, contact customer support or a qualified technician.

8. SPECIFICATIONS

Brand	Infinity
Model Name	KAPPA1200W
Model Number	INFKAPPA1200WBLK-KL
Speaker Type	Subwoofer

Speaker Size	12 Inches
Maximum Output Power	1000 Watts (RMS) / 1200 Watts (Peak)
Connectivity Technology	Auxiliary, RCA
Mounting Type	Flush Mount
Specific Uses For Product	Car Audio
Power Source	Battery Powered (via vehicle's electrical system)
Item Weight	4.99 kg
GTIN / UPC	050667371333, 050667370893

9. WARRANTY INFORMATION

Warranty coverage for the Infinity KAPPA1200W subwoofer is typically provided by the retailer at the point of purchase or by the manufacturer. Please retain your original purchase receipt as proof of purchase for any warranty claims.

For detailed warranty terms and conditions, please refer to the documentation provided with your product or visit the official Infinity website.

10. SUPPORT

For technical assistance, installation questions, or service inquiries regarding your Infinity KAPPA1200W subwoofer, please contact Infinity customer support.

You can typically find contact information on the official Infinity website or through your authorized dealer.

Note: Always refer to the latest information available on the manufacturer's official website for the most up-to-date support resources.