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## Infinity 62.11I

# Infinity Kappa 62.11I 6.5-inch Coaxial Car Speakers User Manual

Model: 62.11I | Brand: Infinity

## Introduction

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your Infinity Kappa 62.11I 6.5-inch Coaxial Car Speakers. Designed for superior audio performance, these speakers feature a 2-ohm nominal impedance and high sensitivity, making them an excellent upgrade for factory-installed car audio systems. Please read this manual thoroughly before installation and use to ensure proper function and longevity of your speakers.

## Safety Information

Always observe the following safety precautions during installation and operation:

- **Disconnect Vehicle Battery:** Before beginning any electrical work, disconnect the vehicle's negative battery terminal to prevent electrical shorts and damage.
- **Professional Installation Recommended:** If you are unsure about any aspect of the installation process, consult a qualified car audio professional.
- **Proper Wiring:** Ensure all wiring connections are secure and insulated to prevent short circuits. Use appropriate gauge wiring for power and speaker connections.
- **Mounting Location:** Choose a mounting location that does not obstruct vehicle operation, safety features, or passenger movement. Ensure adequate clearance for speaker depth.
- **Avoid Moisture:** Protect speakers from direct exposure to water and excessive moisture.
- **Volume Levels:** Prolonged exposure to high volume levels can cause hearing damage. Adjust volume to a comfortable level.

## Package Contents

Verify that all items are present in your package:

- Two (2) Infinity Kappa 62.11I 6.5-inch Coaxial Car Speakers
- Two (2) Speaker Grilles
- Mounting Hardware (screws, clips, mounting plates)

- Foam Gaskets
- Owner's Manual / Documentation



Image: Front view of the Infinity Kappa 62.11I speakers, showcasing their design and included earbuds.

## Product Overview

The Infinity Kappa 62.11I speakers are engineered for high-fidelity car audio. Key features include:

- **6-1/2" 2-Way Coaxial Design:** Integrates a woofer and tweeter into a single unit for simplified installation and coherent sound.
- **Power Handling:** Capable of handling 75 Watts RMS (150 Watts per pair) and 225 Watts Peak (450 Watts per pair).
- **Carbon Injected Glass Fiber Cone:** Provides a lightweight yet rigid cone material for accurate bass and midrange reproduction.
- **1" Soft Dome Edge-Driven Fabric Tweeter:** Delivers smooth and detailed high-frequency response.
- **UniPivot Tweeters:** Allows the tweeter to be aimed towards the listener for optimized sound staging.
- **Plus One Cone Technology:** Offers more cone area than other speakers in its class, resulting in increased bass output and efficiency.
- **2-Ohm Nominal Impedance:** Designed to draw more power from your amplifier or head unit, providing higher output.




Image: Rear view of the speaker, highlighting the robust magnet and wiring terminals.

## Setup and Installation

Follow these steps for proper installation of your Infinity Kappa 62.11I speakers:

1. **Preparation:**
    - Disconnect the negative terminal of your vehicle's battery.
    - Gather necessary tools: screwdrivers, wire strippers, crimpers, drill (if needed), and appropriate connectors.
    - Remove existing speakers from their mounting locations (e.g., door panels, rear deck).
2. **Mounting:**
    - Test fit the new speakers in the desired location. The shallow mounting depth of these speakers accommodates various vehicle applications.
    - If using the included grilles, ensure they fit properly over the speakers.
    - Apply the foam gasket around the speaker frame to create a seal and prevent vibrations.

- Secure the speakers using the provided screws and mounting plates. Do not overtighten.

3. **Wiring:**
    - Identify the positive (+) and negative (-) terminals on both the speaker and the vehicle's speaker wiring. Typically, positive is marked with a red stripe or a plus sign.
    - Connect the speaker wires to the corresponding terminals. Ensure connections are secure, either by crimping or soldering.
    - Insulate all connections with electrical tape or heat shrink tubing to prevent short circuits.
4. **Tweeter Adjustment (UniPivot):**
    - Gently pivot the tweeter on the speaker to aim it towards the primary listening position (e.g., driver's headrest). This optimizes sound imaging.
5. **Testing:**
    - Before reassembling interior panels, reconnect the vehicle's battery.
    - Turn on your car audio system and test the speakers at a low volume.
    - Verify that sound is coming from all installed speakers and that there is no distortion.
6. **Reassembly:**
    - Carefully reassemble any removed interior panels, ensuring no wires are pinched.

## Operating Instructions

Once installed, your Infinity Kappa 62.11I speakers will integrate with your car's audio system. Follow these guidelines for optimal performance:

- **Audio Source:** Play audio from your preferred source (radio, CD, Bluetooth, USB).
- **Volume Control:** Adjust the volume level on your head unit. These speakers are highly sensitive and can produce significant output with less power.
- **Equalizer (EQ) Settings:** Experiment with your head unit's equalizer settings to tailor the sound to your preference. You may need to adjust bass, midrange, and treble levels to achieve balanced audio.
- **Fader and Balance:** Use the fader (front-to-rear) and balance (left-to-right) controls to optimize the sound stage within your vehicle.
- **Break-in Period:** New speakers typically require a break-in period of several hours of normal use to achieve their full sonic potential. During this time, the speaker's suspension components will loosen, leading to improved bass response and overall clarity. Avoid playing at extremely high volumes during the initial break-in.

## Maintenance

Proper care will ensure the longevity and performance of your speakers:

- **Cleaning:** Use a soft, dry cloth to wipe down the speaker grilles and surrounds. Avoid using harsh chemicals or abrasive cleaners.
- **Protection:** Ensure speakers are protected from direct sunlight, extreme temperatures, and excessive moisture.
- **Inspect Connections:** Periodically check wiring connections to ensure they remain secure and free from

corrosion.

## Troubleshooting

If you encounter issues with your speakers, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|---|---|---|
| No sound from speakers | Loose or incorrect wiring; Head unit off or muted; Amplifier off or in protect mode; Blown fuse. | Check all wiring connections; Ensure head unit is on and not muted; Check amplifier status; Inspect and replace fuses if necessary. |
| Distorted or unclear sound | Volume too high; Improper EQ settings; Loose speaker cone; Amplifier clipping; Incorrect impedance match. | Reduce volume; Adjust EQ settings; Inspect speaker for physical damage; Check amplifier gain settings; Ensure 2-ohm impedance is compatible with your amplifier. |
| Only one speaker working | Loose wiring to the non-working speaker; Head unit balance setting; Damaged speaker. | Check wiring for the affected speaker; Adjust head unit balance; Test speaker with another known good audio source or amplifier. |
| Rattling or buzzing noise | Loose mounting screws; Vibrating interior panel; Speaker damage. | Tighten mounting screws; Apply sound deadening to vibrating panels; Inspect speaker for tears or damage. |

If the problem persists after attempting these solutions, contact Infinity customer support or a qualified car audio technician.

## Specifications

Technical specifications for the Infinity Kappa 62.11I 6.5-inch Coaxial Car Speakers:

| Feature | Specification |
|---|---|
| Speaker Type | Coaxial |
| Speaker Size | 6.5 Inches |
| Woofer Diameter | 6.5 Inches |
| Tweeter Diameter | 2.54 Centimeters (1 inch) |
| Power Handling (RMS) | 75 Watts (150 Watts per pair) |
| Power Handling (Peak) | 225 Watts (450 Watts per pair) |
| Impedance | 2 Ohm |
| Surround Sound Channel Configuration | 2.0 |

| Feature | Specification |
|---|---|
| Included Components | A Pair Of Speakers & Standard Accessories |
| Product Dimensions (each speaker) | 5.4"D x 16.2"W x 8"H |
| Item Weight (pair) | 6.36 pounds |
| Color | Black |
| Number of Items | 2 |
| Mounting Type | Car Mount, Coaxial |
| Manufacturer | Infinity |
| Model Number | 62.11I |

## Warranty and Support

**Warranty:** Your Infinity Kappa 62.11I speakers come with a 1-year limited warranty from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use. Please retain your proof of purchase for warranty claims.
**Support:** For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Infinity customer support through their official website or the retailer from whom you purchased the product. You can visit the Infinity Store on Amazon for more information and contact options.

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