

## Audiobank AB-630

# Audiobank AB-630 6.5-Inch 4-Way Coaxial Car Speakers Instruction Manual

Model: AB-630

## INTRODUCTION

Thank you for choosing Audiobank AB-630 6.5-inch 4-Way Coaxial Car Speakers. These speakers are designed to enhance your in-car audio experience with clear sound reproduction across a wide frequency range. This manual provides essential information for proper installation, operation, and maintenance to ensure optimal performance and longevity of your speakers.

## SAFETY INFORMATION

- Always disconnect the vehicle's battery before beginning any electrical work to prevent short circuits and electrical shock.
- Ensure all wiring connections are secure and properly insulated to prevent electrical hazards and signal interference.
- Mount speakers securely to prevent them from becoming loose during vehicle operation, which could cause injury or damage.
- Avoid exposing speakers to excessive moisture or extreme temperatures.
- Consult a professional car audio installer if you are unsure about any installation steps.

## PACKAGE CONTENTS

Verify that all items are present in the package:

- 4x Audiobank AB-630 6.5-inch Coaxial Car Speakers
- Mounting hardware (screws, clips)
- Speaker wires
- Instruction Manual (this document)



Image: Four Audiobank AB-630 speakers, displaying their front and rear designs, including the speaker cone, tweeter, and magnet structure.

## SETUP AND INSTALLATION

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### 1. Pre-installation Checks

- Ensure the speaker size (6.5 inches) is compatible with your vehicle's speaker openings.
- Gather necessary tools: screwdriver set, wire strippers, crimping tool, drill (if new holes are needed), and safety glasses.
- Disconnect the negative terminal of your vehicle's battery.

### 2. Removing Existing Speakers

- Carefully remove the door panel or speaker grille to access the factory speakers.
- Disconnect the wiring from the old speakers and unmount them.

### 3. Mounting the New Speakers

- Position the Audiobank AB-630 speakers in the designated openings.
- Use the provided mounting screws to secure the speakers firmly. Do not overtighten.
- If necessary, use the included speaker grilles for protection and aesthetic finish.



*Image: Two Audiobank AB-630 speakers, one with its protective grille attached and the other revealing the internal components like the cone and tweeter.*

### 4. Wiring Connections

- Connect the positive (+) terminal of the speaker to the positive (+) speaker wire from your car's audio system or amplifier.
- Connect the negative (-) terminal of the speaker to the negative (-) speaker wire.
- Ensure all connections are tight and insulated to prevent short circuits.

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*Video: An overview of car speaker components and general installation considerations. While not specific to the AB-630 model, it provides useful context for car audio setup.*



## 5. Final Steps

- Reinstall any removed panels or grilles.
- Reconnect the vehicle's battery.
- Test the speakers to ensure they are functioning correctly.

## OPERATING INSTRUCTIONS

Once installed, your Audiobank AB-630 speakers will operate in conjunction with your car's head unit or amplifier. Adjust audio settings on your head unit for optimal sound quality.

- **Volume Control:** Adjust the volume to a comfortable listening level. Avoid excessively high volumes for prolonged periods to prevent speaker damage and hearing loss.
- **Tone Controls:** Use your head unit's bass, treble, and balance controls to fine-tune the sound to your preference.
- **Fader Control:** Adjust the front-to-rear sound distribution as needed.

## MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to gently wipe the speaker grilles and surrounds. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check speaker connections for tightness and ensure no wires are frayed or exposed.
- **Environmental Protection:** While designed for automotive use, extreme conditions can affect performance. Protect speakers from direct sunlight and excessive heat when possible.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from speakers	Loose or incorrect wiring connections; Head unit/amplifier off or muted; Blown fuse.	Check all wiring connections; Ensure head unit/amplifier is on and not muted; Inspect and replace fuses if necessary.
Distorted sound	Volume too high; Incorrect gain settings on amplifier; Damaged speaker cone.	Reduce volume; Adjust amplifier gain settings; Inspect speaker for physical damage.
Weak or no bass	Incorrect wiring polarity; Low-pass filter setting incorrect; Speaker not properly sealed.	Verify correct positive/negative wiring; Adjust LPF settings on head unit/amplifier; Ensure speaker is securely mounted and sealed.

## SPECIFICATIONS

Feature	Detail
Model	AB-630
Speaker Type	4-Way Coaxial Car Speakers
Size	6.5 inches
Power Handling (Max)	800 Watts

Feature	Detail
Frequency Response	65 - 20000 Hz
Sensitivity	89 dB
Voice Coil	25 mm
Magnet	10 Oz
Midrange	30 mm Mylar dome
Tweeter	2x15 Piezo tweeter
Impedance	4 Ohm
Material	Plastic

## WARRANTY INFORMATION

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Audiobank products are covered by a limited warranty against defects in materials and workmanship. Please refer to the warranty card included with your purchase or visit the official Audiobank website for detailed terms and conditions. Keep your proof of purchase for warranty claims.

## SUPPORT

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For technical assistance, troubleshooting, or general inquiries, please contact Audiobank customer support through their official website or the contact information provided on your product packaging. Our support team is available to help you with any questions or issues you may encounter.

