

JBL A500HI

JBL A500HI 6x9 Inch 3-Way Car Speaker Instruction Manual

Model: A500HI

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your JBL A500HI 6x9 inch 3-Way Car Speakers. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

2. PRODUCT OVERVIEW

The JBL A500HI speakers are designed to deliver high-quality audio in a vehicle environment. They feature a 3-way design for comprehensive sound reproduction, including a woofer, midrange, and tweeter.

- **Speaker Type:** 6" x 9" 3-Way Speaker
- **Maximum Power:** 500W Peak, 75W RMS
- **Cone Material:** IMPP (Injection-molded polypropylene) cone for durability and accurate bass response.
- **Tweeter:** PEI Balanced Dome Tweeter for clear high-frequency sound.
- **Frequency Response:** 45Hz to 20kHz
- **Sensitivity:** 92dB (2.83v@1m)
- **Impedance:** 4 Ohm
- **Built-in Crossover:** Ensures proper frequency distribution to each speaker component.



Image: Front and rear view of the JBL A500HI 6x9 inch 3-Way Car Speakers. The front shows the speaker cone with the JBL logo, and the rear shows the magnet structure with model number and power ratings.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 2 x JBL A500HI 6x9 inch 3-Way Car Speakers
- Installation Accessories (e.g., screws, clips, wiring)
- 1 x Owner's Manual (this document)

4. SETUP AND INSTALLATION

Proper installation is crucial for optimal sound performance and product longevity. If you are unfamiliar with car audio installation, it is recommended to seek professional assistance.

1. **Safety First:** Disconnect the vehicle's battery before starting any electrical work to prevent short circuits and damage.
2. **Speaker Location:** Identify suitable mounting locations in your vehicle. The JBL A500HI speakers are 6x9 inch oval speakers, typically installed in rear decks or door panels. Ensure adequate depth and clearance.
3. **Mounting:**
 - Carefully remove existing speakers or prepare the mounting surface.
 - Use the provided installation accessories to secure the speakers firmly. Avoid overtightening screws.
4. **Wiring:**
 - Connect the speaker wires to your car audio system's speaker outputs. Observe correct polarity (positive to positive, negative to negative) to ensure proper phase and sound quality.
 - The speakers have an impedance of 4 Ohms. Ensure your amplifier or head unit can safely drive a 4-Ohm load.
 - Route wires away from moving parts, sharp edges, and heat sources. Secure them to prevent rattling or damage.
5. **Testing:** Before reassembling interior panels, reconnect the vehicle battery and test the speakers with your audio system. Verify that both speakers are producing sound and that the sound quality is as expected.
6. **Reassembly:** Once satisfied with the installation and sound, carefully reassemble any removed interior

panels.

5. OPERATING INSTRUCTIONS

The JBL A500HI speakers are passive components and operate in conjunction with your car's head unit or amplifier. No direct user controls are present on the speakers themselves.

- **Audio Source:** Play audio through your car's head unit (e.g., radio, CD, USB, Bluetooth, Auxiliary input).
- **Volume Control:** Adjust the volume level via your head unit. Avoid excessively high volumes that cause distortion, as this can damage the speakers.
- **Tone Controls:** Utilize your head unit's equalizer or tone controls (bass, treble, balance, fader) to customize the sound to your preference. Start with flat settings and make small adjustments.
- **Power Handling:** The speakers have a 75W RMS power handling and 500W peak power. Ensure your amplifier's output matches these specifications to prevent underpowering or overpowering, both of which can lead to speaker damage.

6. MAINTENANCE

Regular maintenance helps preserve the appearance and performance of your speakers.

- **Cleaning:** Use a soft, dry cloth to gently wipe dust from the speaker grilles and cones. Do not use abrasive cleaners, solvents, or excessive moisture.
- **Environmental Protection:** While designed for car environments, avoid exposing speakers to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture. The speakers are not waterproof.
- **Inspection:** Periodically check speaker connections for tightness and ensure no wires are frayed or exposed.

7. TROUBLESHOOTING

If you encounter issues with your JBL A500HI speakers, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from speakers	<ul style="list-style-type: none">◦ Loose or incorrect wiring◦ Head unit/amplifier off or muted◦ Blown fuse in head unit/amplifier◦ Damaged speaker	<ul style="list-style-type: none">◦ Check all wiring connections for proper polarity and tightness.◦ Ensure head unit/amplifier is on and not muted.◦ Inspect and replace any blown fuses.◦ If other solutions fail, the speaker may be damaged and require replacement.
Distorted sound	<ul style="list-style-type: none">◦ Volume too high◦ Incorrect equalizer settings◦ Underpowered or overpowered speakers◦ Loose speaker mounting	<ul style="list-style-type: none">◦ Reduce volume to a comfortable level.◦ Adjust equalizer settings; try resetting to flat.◦ Ensure amplifier power matches speaker RMS rating.◦ Check speaker mounting screws for tightness.
Weak or no bass	<ul style="list-style-type: none">◦ Incorrect wiring polarity◦ Bass settings too low◦ Speaker not properly sealed	<ul style="list-style-type: none">◦ Verify correct wiring polarity (positive to positive, negative to negative).◦ Increase bass settings on your head unit.◦ Ensure speakers are securely mounted and sealed to the mounting surface.

If problems persist after attempting these solutions, contact JBL customer support or a qualified car audio technician.

8. SPECIFICATIONS

Model	A500HI
Speaker Type	6" x 9" 3-Way Car Speaker
Maximum Output Power	500 Watts Peak
RMS Power	75 Watts
Impedance	4 Ohm
Frequency Response	45 Hz - 20 kHz
Sensitivity (2.83v@1m)	92 dB
Material	IMPP Cone; PEI Dome Tweeter
Product Dimensions (D x W x H)	7.6D x 15.2W x 22.9H Centimeters
Item Weight	3.105 kg (3105 Grams)
Connectivity Technology	Wired
Mounting Type	Flush Mount
Compatible Devices	Car Audio System, MP3 Player, Smartphone (with AUX cable)
Water Resistance Level	Not Water Resistant
Country of Origin	China

9. WARRANTY AND SUPPORT

JBL products are manufactured by Harman International Industries, Inc.

- **Warranty Type:** Limited Warranty. Please refer to the warranty card included with your product or visit the official JBL website for detailed warranty terms and conditions.
- **Manufacturer:** Harman International Industries, Inc.
- **Importer (India):** Harman International (India) Pvt Ltd, Prestige Technology Park, 4th Floor, Jupiter 2A, Marathali Ring Road, Bangalore 560103, India.

For technical support, service, or warranty claims, please contact your local authorized JBL dealer or visit the official JBL support website.

Related Documents - A500HI

[Connecting JBL Speakers Together: A Comprehensive Guide](#)

Learn how to connect multiple JBL speakers wirelessly via Bluetooth for an enhanced audio experience. This guide covers connecting JBL speakers using the JBL Connect and Connect+ features, as well as troubleshooting common connection issues.

[JBL Flip 4 Häufig gestellte Fragen und Funktionen](#)

Antworten auf häufig gestellte Fragen zum JBL Flip 4, einschließlich Konnektivität, Wasserdichtigkeit, LED-Anzeigen und Kopplung mehrerer Lautsprecher.



[JBL GO 3 Portable Waterproof Speaker - Quick Start Guide and Specifications](#)

Get started with your JBL GO 3 portable waterproof speaker. This guide covers Bluetooth pairing, charging, technical specifications, and care instructions for your device.

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Fr	En
Poliklinikası (stüdyo)	Genetics of the Family Clinic
Bu arastırma-poliklinikamızda	At the Family Clinic
Yaklaşık	UPP
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Latent	Change
Atık sızıntı	Latent failure
Yeni bir poliklinik (stüdyo)	Genetics of the Family Clinic

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NA	NO
Inhoud van de verpakking	Verpakking in dozen
Blauw met koppertint	Blauw met koperkleuring
Wiergras	Agilis
Opladen	Laden
Opladen	Laden
Zwaarte balast	Laat belastingen
Water- en vuilbestendig PCV	Waterdicht stevig PCV

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- Cartons de l'emballage
- Jumelage Blacksmith
- Ure
- Charge
- Charge
- Éclairage latéral
- Éclairage à deux et à six points (PC)

Spéc. techniques	
Base papier:	40 x 63 mm, 1/2"
Hauteur de sortie:	6,30 mm
Épaisseur en sortie/passe:	0,10 mm - 20 fil
Rapport signal/bruit:	> 45 dB
Type de balayage:	120 mm/pources 1,7/8"
Temps de charge/pulse:	
Initiation:	100 ns
Oscillation de lecture de la mémoire:	100 ns
Verrouillage "Readout":	100 ns
Pulsité "Readout":	3,2/10 ns, 500/20 ns
Pulsité de fréquence de "Readout" "Readout":	2000 Hz - 20000 Hz
Pulsité de fréquence "Readout":	4,0 MHz - 5000
Modulation de fréquence "Readout":	0/100, 100/500, 500/500
Conversion d'x à y:	40/100, 100/500, 500/500
Conversion d'x à y:	40/100, 100/500, 500/500
Note:	4,000 Hz, 100/500

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- **Standard 1** **enables**
- **Standard 2** **communicating**
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- **Standard 100**

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PT-02
 Gerente da caixa
 Impedimentos: Bluewater
 Ray
 Ederle corresponde
 Ederle corresponde
 Ederle fraca
 A guerra é água e do poço (PNC)

Especificações técnicas	
Transmissão	42 x 4" (10 x 27")
Antena de recepção	4,2" (106 mm)
Regulagem de frequência	750 kHz a 2,4 MHz
Relação sinal-ruído	> 45 dB
Tipo de bateria	Rechargeable de 6 x 1,2" (150 mm)
Tempo de carga da bateria	2,2 horas (10 h a 1,6 A)
Tempo de operação de transmissão	Depende da potência de saída e tipo de modulação
Voz (Baudot®)	5,5 BPS (1 a 1000 PPS)
Velocidade (Baudot®)	1000 a 2000 (1000 PPS)
Antena de transmissão	4,2" (106 mm)
Relação de transmissão	> 45 dB (100 PPS)
Modulo de transmissão	42 dB a 48 dB (100 PPS a 2000 PPS)
Modulo de recepção	67 dB a 75 dB a 45 a 2000 PPS
Dimensiones (L x A x P)	14 x 4 x 2,5" (35 x 10 x 6,3 cm)
Peso	6,25 lbs (2,83 kg)



Comprehensive user manual for the JBL BAR 1000 soundbar system, covering setup, connection, features, playback, audio settings, troubleshooting, and specifications. Learn how to connect, calibrate, and optimize your audio experience.



Comprehensive user manual for the JBL BAR 1000 soundbar system, detailing setup, connectivity options (HDMI, Bluetooth, Wi-Fi), features like Dolby Atmos and DTS:X, app integration (JBL One), troubleshooting, and technical specifications.



Comprehensive owner's guide for the JBL SCS200.5 Surround Cinema Speaker system. Includes important safety precautions, setup instructions, speaker placement, connection diagrams, operation details, troubleshooting tips, and full specifications.

