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> [Blaupunkt Blue Magic XLb 250 A 500-Watt 10-Inch Active Subwoofer System User Manual](#)

## Blaupunkt XLB 250A

# Blaupunkt Blue Magic XLb 250 A Active Subwoofer System User Manual

Model: XLB 250A

## INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your Blaupunkt Blue Magic XLb 250 A Active Subwoofer System. Please read this manual thoroughly before using the product to ensure proper functionality and safety.



Image: Blaupunkt Blue Magic XLb 250 A Active Subwoofer System. This image displays the compact, rectangular design of the active subwoofer, featuring a large central speaker cone with a silver trim, and the Blaupunkt logo prominently displayed on the top surface.

## SAFETY INFORMATION

Always observe the following safety precautions:

- Ensure proper ventilation around the subwoofer.

- Do not expose the unit to moisture or extreme temperatures.
- Disconnect power before performing any maintenance or installation.
- Consult a professional for complex installations or repairs.

## PACKAGE CONTENTS

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Verify that all components are present in the box:

- 1 x Blaupunkt Blue Magic XLb 250 A Active Subwoofer Box
- User Manual (this document)
- Installation Accessories (if applicable, not specified in input)

## SETUP AND INSTALLATION

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The Blaupunkt Blue Magic XLb 250 A is an active subwoofer designed for easy integration into your car audio system. Professional installation is recommended for optimal performance and safety.

### Mounting Considerations

- **Location:** Choose a secure location in your vehicle, such as the trunk or under a seat, where the subwoofer will not obstruct movement or safety features. Ensure adequate air circulation.
- **Mounting Type:** This unit is designed for tabletop mount, implying it should be placed on a flat, stable surface and secured to prevent movement during driving.
- **Vibration:** Secure the subwoofer firmly to minimize vibrations and ensure sound quality.

### Wiring Connections

Proper wiring is crucial for performance and safety. Refer to your vehicle's wiring diagram and the subwoofer's connection ports.

1. **Power Connection:** Connect the main power cable directly to the car battery, ensuring an inline fuse is installed close to the battery for protection.
2. **Ground Connection:** Connect the ground cable to a clean, unpainted metal surface on the vehicle chassis.
3. **Remote Turn-On:** Connect the remote turn-on wire to the remote output of your car stereo. This will turn the subwoofer on and off with your stereo.
4. **Audio Input:** Connect the audio signal from your car stereo's subwoofer output (RCA cables) to the subwoofer's input. If your stereo does not have RCA outputs, a high-level input converter may be required (not included).

*Note: Incorrect wiring can damage the subwoofer, your car's electrical system, or cause fire. If unsure, seek professional assistance.*

## OPERATING INSTRUCTIONS

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Once installed, follow these steps to operate your active subwoofer:

1. **Power On:** Turn on your car's ignition and car stereo. The subwoofer should power on automatically via the remote turn-on connection.
2. **Gain Control:** Adjust the gain control on the subwoofer to match the output level of your car stereo. Start with the gain at minimum and slowly increase it until the bass blends well with your main speakers without distortion.
3. **Low-Pass Filter (LPF):** The subwoofer features a built-in low-pass filter. Adjust this setting to control the upper frequency limit of the bass output. A common starting point is around 80-100 Hz, but this can be adjusted based on your preference and the characteristics of your main speakers.
4. **Phase Control:** If available, adjust the phase switch (0° or 180°) to ensure the subwoofer's output is in phase with your main speakers, providing a more cohesive sound. Listen for the strongest and clearest bass response.
5. **Bass Boost:** Use the bass boost feature sparingly, if available, to enhance low frequencies. Excessive bass boost can lead to distortion and potential damage.

*Tip: Make small adjustments and listen carefully to the sound to achieve the desired audio balance.*

## MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your subwoofer:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the subwoofer. Do not use liquid cleaners or abrasive materials.
- **Ventilation:** Ensure that the ventilation openings are not blocked by debris or other objects.
- **Connections:** Periodically check all wiring connections to ensure they are secure and free from corrosion.
- **Environment:** Avoid exposing the subwoofer to direct sunlight, extreme heat, or excessive moisture.

## TROUBLESHOOTING

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If you encounter issues with your Blaupunkt Blue Magic XLb 250 A, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No Sound from Subwoofer	No power to the subwoofer. Remote turn-on wire not connected or faulty. RCA audio cables disconnected or faulty. Gain control set too low.	Check power and ground connections, and inline fuse. Verify remote wire connection to stereo. Ensure RCA cables are securely connected at both ends. Increase gain control gradually.
Distorted Sound	Gain set too high. Input signal too high. Poor ground connection.	Reduce gain control. Lower volume on car stereo. Ensure ground connection is clean and secure.
Subwoofer Overheats	Insufficient ventilation. Playing at excessively high volumes for extended periods.	Ensure clear space around the unit for airflow. Reduce volume and allow the unit to cool down.

For issues not listed here, please contact Blaupunkt customer support.

## SPECIFICATIONS

<b>Model Name</b>	XLB 250A
<b>Speaker Type</b>	Subwoofer
<b>Subwoofer Diameter</b>	10 Inches
<b>Wattage (Max Output Power)</b>	500 Watts
<b>Included Components</b>	1 N ACTIVE SUBWOOFER BOX
<b>Item Weight</b>	10.41 kg (10 kg 400 g)
<b>Product Dimensions (LxWxH)</b>	45.49 x 22.61 x 33.81 cm
<b>Manufacturer</b>	BLAUPUNKT EUROPE GMBH
<b>Assembly Required</b>	No
<b>Audio Output Mode</b>	Surround
<b>Mounting Type</b>	Tabletop Mount

## WARRANTY AND SUPPORT

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For warranty information and customer support, please refer to the official Blaupunkt website or contact their authorized service centers.

**Blaupunkt Official Website:** [www.blaupunkt.com](http://www.blaupunkt.com)

Please have your product model number (XLB 250A) and serial number ready when contacting support.