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› BIC Acoustech Elite Series PL-300 12 inch Powered Subwoofer Instruction Manual

BIC AMERICA PL-300

BIC Acoustech Elite Series PL-300 12-inch Powered Subwoofer Instruction Manual

Model: PL-300

1. IMPORTANT SAFETY INSTRUCTIONS

Please read and understand all safety instructions before operating this product. Keep this manual for future reference.

- Do not expose this appliance to dripping or splashing.
- Do not place objects filled with liquids, such as vases, on the apparatus.
- Ensure proper ventilation. Do not block any ventilation openings.
- Place the subwoofer on a stable, level surface to prevent tipping.
- Unplug the apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- BIC Acoustech Elite Series PL-300 Powered Subwoofer
- Power Cord
- Port Plug (for Bass Boost feature)

3. PRODUCT OVERVIEW

The BIC Acoustech Elite Series PL-300 is a high-performance 12-inch powered subwoofer designed to deliver deep, impactful bass for home theater and music systems. It features a powerful amplifier, tri-tuned ports, and a unique BASS Boost feature for customizable low-frequency response.



Figure 3.1: Front view of the PL-300 Subwoofer, showcasing the 12-inch driver and three front-firing ports.

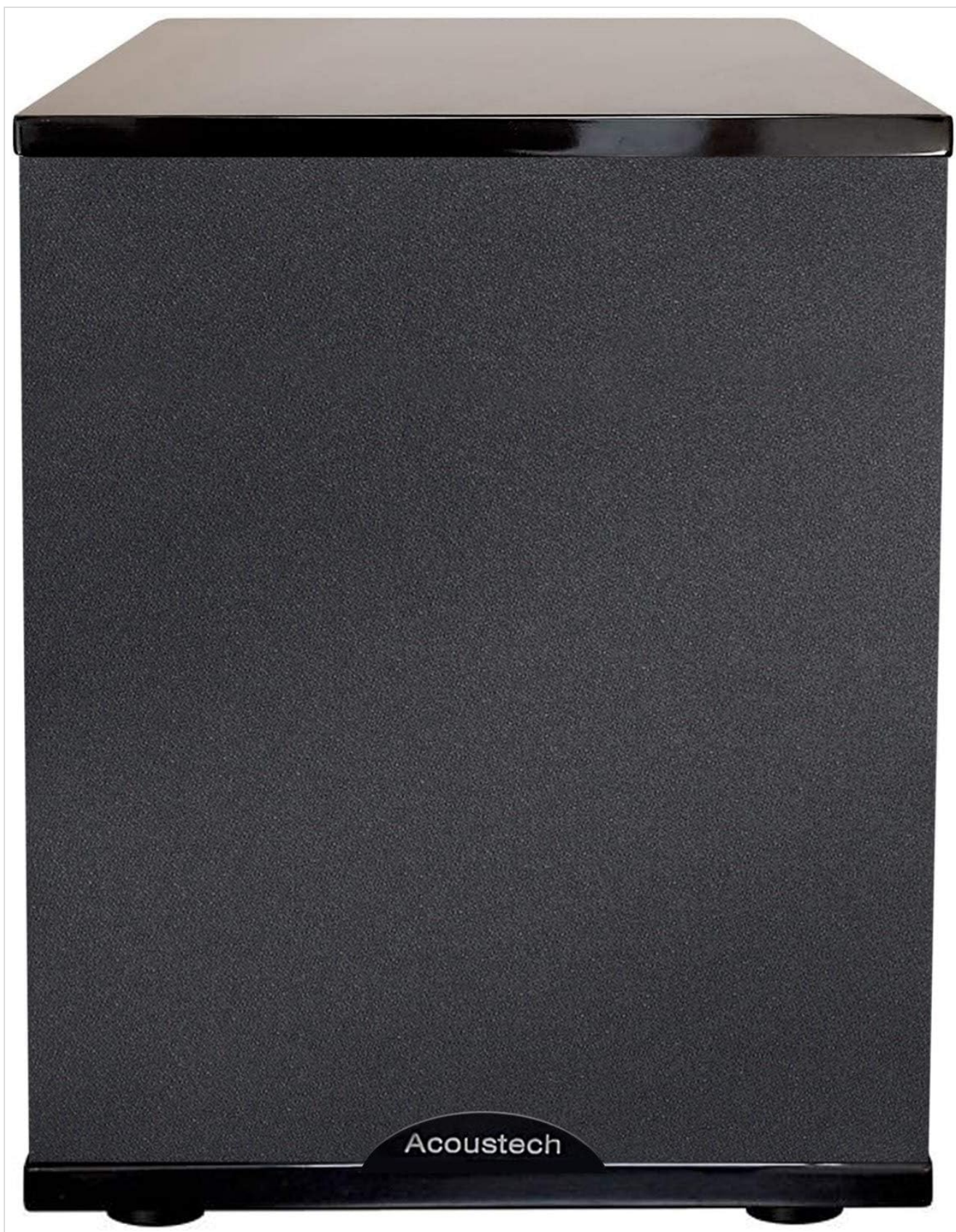


Figure 3.2: Front view of the PL-300 Subwoofer with the protective grille attached.

4. SETUP

4.1 Placement

The placement of your subwoofer significantly impacts its performance. Experiment with different locations to find the best sound for your room. Generally, placing the subwoofer in a corner or along a wall can enhance bass output. Avoid placing it directly against a wall or in a cabinet without adequate ventilation.

4.2 Connections

The PL-300 offers versatile connectivity options. Ensure the subwoofer is unplugged from the power outlet before making any connections.



Figure 4.1: Rear panel of the PL-300 Subwoofer, detailing input/output connections and control knobs.

- **RCA Input:** For connecting to the LFE (Low-Frequency Effects) output of your A/V receiver or pre-amplifier. Use a single RCA cable for this connection.
- **Speaker Level Inputs:** For connecting to the speaker outputs of your amplifier if your receiver does not have a dedicated subwoofer output. Connect the left and right speaker wires from your amplifier to the corresponding inputs on the subwoofer.
- **Power Connection:** Once all audio connections are made, connect the supplied power cord to the subwoofer's power inlet and then to a suitable wall outlet.



Figure 4.2: Example of a 7.2 surround sound setup incorporating two PL-300 subwoofers for enhanced bass distribution.

5. OPERATING YOUR SUBWOOFER

5.1 Controls

The rear panel of the PL-300 features several controls to fine-tune its performance:

- **Volume:** Adjusts the overall output level of the subwoofer. Start with a low setting and gradually increase until the bass blends seamlessly with your main speakers.
- **Phase (0°/180°):** This switch helps to align the subwoofer's output with your main speakers. Experiment with both settings to find the one that produces the most coherent and impactful bass.
- **Crossover Frequency:** Sets the upper frequency limit for the subwoofer. Frequencies above this setting will be rolled off. Adjust this based on the low-frequency capabilities of your main speakers. A common starting point is 80Hz.
- **Crossover Power (Auto/On/Off):**
 - **Auto:** The subwoofer will automatically turn on when an audio signal is detected and enter standby mode after a period of inactivity.
 - **On:** The subwoofer remains continuously powered on.
 - **Off:** The subwoofer is powered off.

5.2 Bass Boost Feature

The PL-300 includes a unique BASS Boost feature that allows for enhanced low-frequency extension down to 15Hz. To activate this feature, insert the included port plug into the center port of the subwoofer and ensure the 'BASS Boost' switch on the rear panel is engaged. For maximum output without the deepest extension, select 'MAX OUTPUT' and remove the port plug.



Insert included Port Plug in Center Port
with Bass Boost Switch "ON" and
Enjoy Room Shaking Bass down to 15Hz!

Figure 5.1: Illustration of inserting the port plug into the center port for activating the Bass Boost feature.

6. MAINTENANCE

To ensure the longevity and optimal performance of your PL-300 subwoofer, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the cabinet. Avoid using abrasive cleaners, waxes, or solvents.
- **Ventilation:** Ensure that the ventilation openings on the rear panel are not obstructed. Proper airflow prevents overheating.
- **Placement:** Avoid placing the subwoofer in direct sunlight or near heat sources.
- **Power:** If the subwoofer will not be used for an extended period, it is advisable to unplug it from the power outlet.

7. TROUBLESHOOTING

If you encounter issues with your PL-300 subwoofer, refer to the table below for common problems and solutions.

Problem	Solution
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Problem	Solution
No sound from subwoofer	Check if the power cord is securely connected and the power switch is ON or AUTO. Verify that the audio input cables are correctly connected to both the subwoofer and your receiver/amplifier. Increase the subwoofer's volume control. Check your receiver's settings to ensure the subwoofer output is enabled.
Distorted or unclear bass	Reduce the subwoofer's volume level. Adjust the Crossover Frequency. Experiment with the Phase switch (0°/180°). Check for proper placement; vibrations or resonance with nearby objects can cause distortion.
Humming or buzzing noise	Ensure all audio cables are securely connected. Try plugging the subwoofer into a different electrical outlet. If using an RCA cable, try a different cable or a ground loop isolator.

8. SPECIFICATIONS

Key technical specifications for the BIC Acoustech Elite Series PL-300 Subwoofer:

Feature	Detail
Model Name	PL 300
Speaker Type	Subwoofer
Special Feature	Bass Boost
Compatible Devices	Gaming Console, Home Theater, Television
Subwoofer Diameter	12 Inches
Surround Sound Channel Configuration	5.1
Item Weight	48 pounds (21772 Grams)
Warranty Type	Limited
Number of Items	1
Control Method	App (Note: Physical controls are also present)
Power Source	Corded Electric
Subwoofer Connectivity Technology	Wired
Connectivity Protocol	Speaker Wire
UPC	729305004697
Manufacturer	BIC Acoustech

Feature	Detail
Product Dimensions	17.99 x 15 x 17.99 inches
Speaker Maximum Output Power	1400 Watts
Audio Output Mode	Stereo
Mounting Type	Floor Standing, Tabletop Mount

9. WARRANTY AND SUPPORT

The BIC Acoustech Elite Series PL-300 Subwoofer comes with a Limited Warranty. For specific warranty terms, conditions, and duration, please refer to the warranty card included with your product or contact BIC Acoustech directly.

For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact the manufacturer, BIC Acoustech, through their official support channels. Keep your proof of purchase handy when contacting support.

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