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CERWIN-VEGA! LA110B

CERWIN-VEGA! LA110 Powered Active Subwoofer User Manual

Model: LA110B

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your CERWIN-VEGA! LA110 Powered Active Subwoofer. Please read this manual thoroughly before using the product and retain it for future reference. The Cerwin-Vega LA Series 10-inch Powered Subwoofer is designed to deliver rich, dynamic bass, complementing your home audio system with a compact footprint. It features both high-level and low-level inputs for versatile connectivity.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent electric shock, fire, or damage to the unit.

- **Power Source:** Connect the unit only to the type of power source indicated on the unit's marking label.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings.
- **Water and Moisture:** Do not expose the unit to rain or moisture. Do not place objects filled with liquids, such as vases, on the unit.
- **Heat:** Do not place the unit near heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Cleaning:** Unplug the unit from the wall outlet before cleaning. Use a dry cloth for cleaning.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Placement:** Place the subwoofer on a stable, level surface to prevent tipping.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- CERWIN-VEGA! LA110 Powered Active Subwoofer
- Power Cord

- Owner's Manual (this document)

4. PRODUCT OVERVIEW

Front View



Figure 4.1: Front view of the LA110 subwoofer with the protective grille in place. The subwoofer features a sleek black finish and the Cerwin-Vega logo at the bottom.



Figure 4.2: Front view of the LA110 subwoofer with the grille removed, revealing the 10-inch woofer. The woofer cone is black with a distinctive red surround, characteristic of Cerwin-Vega products.

Rear Panel and Controls



Figure 4.3: Rear panel of the LA110 subwoofer, displaying all connectivity options and control knobs. This includes the power switch, power input, phase switch, crossover frequency knob, level control knob, line-level inputs (LFE/RCA), and high-level inputs/outputs. The rear panel of the LA110 subwoofer provides all necessary connections and controls for integration into your home audio system. Key components include:

- **Phase Switch (0°/180°):** Adjusts the phase of the subwoofer output relative to the main speakers.
- **Crossover Level Knob (50Hz-150Hz):** Controls the upper frequency limit of the subwoofer.
- **Level Control Knob (Min/Max):** Adjusts the overall volume output of the subwoofer.

- **Line-Level Input (LEFT/LFE, RIGHT):** RCA inputs for connecting to a receiver or pre-amplifier.
- **Hi-Level Input/Output:** Speaker wire terminals for connecting directly to speaker outputs from an amplifier.
- **Power Switch (ON/OFF):** Turns the subwoofer power on or off.
- **Power Input:** Connection for the included power cord.

5. SETUP

5.1 Placement

Optimal placement of your subwoofer can significantly impact sound quality. Consider the following:

- **Corner Placement:** Placing the subwoofer in a corner often maximizes bass output.
- **Wall Placement:** Placing it along a wall can also enhance bass.
- **Listening Position:** Experiment with placement relative to your main listening position to find the best balance.
- **Avoid Obstructions:** Ensure the subwoofer is not obstructed and has adequate space for ventilation.

5.2 Connections

Ensure all audio equipment is turned off before making any connections.

Using Line-Level (RCA/LFE) Input:

1. Connect an RCA cable from the "SUBWOOFER OUT" or "LFE OUT" jack on your receiver/pre-amplifier to the "LEFT/LFE" input on the LA110 subwoofer.
2. If your receiver has separate Left and Right pre-out jacks for the subwoofer, connect both to the "LEFT/LFE" and "RIGHT" inputs on the subwoofer.

Using Hi-Level Input:

1. Connect speaker wires from the speaker outputs of your amplifier/receiver to the "HI-LEVEL INPUT" terminals on the LA110 subwoofer. Ensure correct polarity (+ to + and - to -).
2. If you are also connecting passive speakers, connect speaker wires from the "HI-LEVEL OUTPUT" terminals on the subwoofer to your passive speakers.

5.3 Power Connection

Once all audio connections are made, connect the supplied power cord to the "POWER INPUT" on the subwoofer and then to a suitable wall outlet.

6. OPERATING

6.1 Initial Power On

1. Ensure all connections are secure.
2. Turn on your receiver/amplifier first, then turn on the LA110 subwoofer using the "ON/OFF" switch on the rear panel.
3. Set the "LEVEL CONTROL" knob to the minimum position initially.

6.2 Adjusting Controls

- **Level Control:** Slowly increase the "LEVEL CONTROL" knob until the subwoofer's output blends seamlessly with your main speakers. Avoid setting it too high, which can result in boomy or distorted bass.
- **Crossover Level:** The "CROSSOVER LEVEL" knob allows you to set the upper frequency limit for the subwoofer, ranging from 50 Hz to 150 Hz. Adjust this based on the low-frequency capabilities of your main speakers. If your

main speakers have good bass extension, set the crossover lower (e.g., 80 Hz). If they are smaller, set it higher (e.g., 100-120 Hz).

- **Phase Switch:** The "PHASE" switch (0°/180°) helps ensure the subwoofer's output is in phase with your main speakers. Listen to music with strong bass and switch between 0° and 180°. Choose the setting that provides the most impactful and coherent bass.

7. MAINTENANCE

Proper maintenance ensures the longevity and performance of your subwoofer.

- **Cleaning:** Use a soft, dry cloth to clean the exterior surfaces of the subwoofer. Do not use liquid cleaners, aerosols, or abrasive chemicals.
- **Dust:** Regularly dust the unit to prevent dust buildup in ventilation openings.
- **Ventilation:** Ensure that the ventilation ports are not blocked by objects or dust.
- **Storage:** If storing the subwoofer for an extended period, disconnect it from power and store it in a cool, dry place, away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from subwoofer	Subwoofer not powered on. Power cord disconnected. Input cables not connected properly. Receiver/amplifier volume too low or subwoofer output disabled. Subwoofer level control set to minimum.	Ensure power switch is ON. Check power cord connection to unit and wall outlet. Verify all audio cables are securely connected. Check receiver settings and volume. Increase the "LEVEL CONTROL" knob.
Distorted or boomy bass	Subwoofer level set too high. Improper crossover frequency setting. Incorrect phase setting. Poor room acoustics or placement.	Decrease the "LEVEL CONTROL" knob. Adjust the "CROSSOVER LEVEL" knob. Toggle the "PHASE" switch (0°/180°) to find the best sound. Experiment with subwoofer placement.
Humming or buzzing noise	Ground loop issue. Loose cable connections. Interference from other electronic devices.	Try plugging the subwoofer into a different electrical outlet. Ensure all audio cables are securely connected. Move the subwoofer or audio cables away from other electronic devices.

9. SPECIFICATIONS

Feature	Detail
Model Name	LA110B
Speaker Type	Subwoofer

Feature	Detail
Power Output	43 watts RMS / 86 watts Peak
Frequency Response	50 Hz to 200 Hz
Crossover Frequency Range	50 Hz to 150 Hz (Adjustable)
Woofer Diameter	10 Inches (25.4 cm)
Connectivity Technology	Wired (RCA, Speaker Wire)
Recommended Uses	For Surround Sound Systems
Compatible Devices	Desktop, Television, Projector, Laptop
Product Dimensions (D x W x H)	16"D x 18"W x 12.75"H
Item Weight	42.9 pounds
Power Source	Corded Electric
Country of Origin	China

10. WARRANTY INFORMATION

This CERWIN-VEGA! LA110 Powered Active Subwoofer comes with a **Limited Warranty**. For specific terms and conditions, please refer to the warranty card included with your product or visit the official Cerwin-Vega! website. Keep your purchase receipt as proof of purchase for warranty claims.

11. SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Cerwin-Vega! customer support.

Visit the official CERWIN-VEGA! Store on Amazon for more information and support resources: [CERWIN-VEGA! Amazon Store](#)

