

INSTRUCTION MANUAL

SONANCE CINEMA® SERIES



Introduction

Thank you for purchasing a Sonnance Cinema Series LCR1 Cabinet speaker. When properly installed, these speakers will deliver film soundtracks and music with outstanding clarity and realism, even in the largest home theater rooms. To get the most out of your new speakers, please read this manual thoroughly before you begin installation.

Box Contents

Each Sonnance Cinema LCR1 Cabinet Speaker box includes the following:

- (1) Sonnance Cinema Series LCR1 Cabinet speaker
- (1) Cloth grille
- (4) Self-adhesive rubber feet

Speaker Placement

IMPORTANT: THE SONANCE CINEMA LCR1 CABINET SPEAKER WEIGHS 25 LBS. BEFORE PLACING IT, MAKE SURE THAT THE SHELF OR PLATFORM IS STURDY ENOUGH TO SUPPORT ITS WEIGHT.

Sonnance Cinema Series LCR1 Cabinet speakers can be oriented either vertically or horizontally with nearly identical performance.

Placing the Left and Right Speakers

In most cases you will want to orient the left and right speakers vertically, but you can also orient them horizontally without affecting their performance. Place the left and right channel speakers on either side of the video screen, 6 – 10 feet (1.8m – 3m) apart, with their mid/tweeter units 3 – 4 feet (0.9m – 1.2m) from the floor (which corresponds to the height of your ears when you are seated on a couch or chair). The main listening position should be 8 – 12 feet (2.4m – 3.7m) away from the speakers. Use Figure 2 as a guide.

If you are placing the speakers inside of an entertainment center or other furniture, bring the speakers all the way to the fronts of the openings so their front edges are even with the front edges of the furniture.



FIGURE 1:
SONANCE CINEMA SERIES
LCR1 CABINET SPEAKER

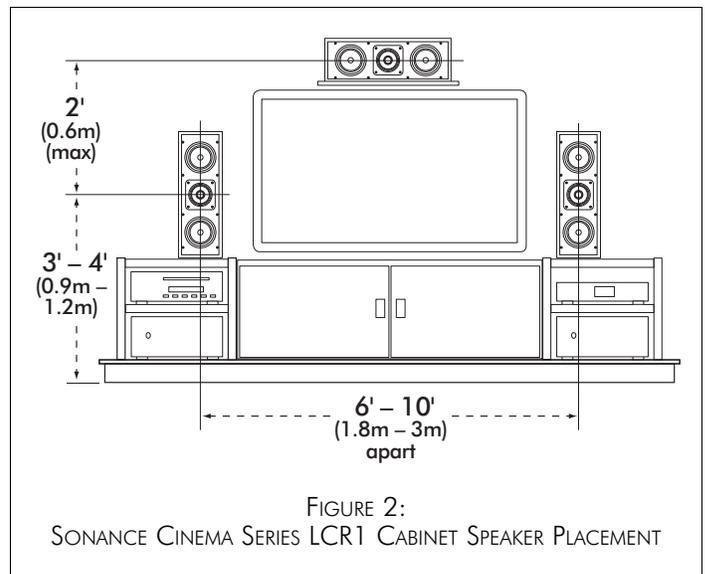


FIGURE 2:
SONANCE CINEMA SERIES LCR1 CABINET SPEAKER PLACEMENT

Placing the Center Channel Speaker

In most cases you will want to orient the center speaker horizontally, but you may also orient it vertically without affecting its performance. Locate the center speaker as close to the same height as the left and right speakers as possible. This will help maintain consistent tonality between all three front speakers. If you must place the center speaker above or below a video screen, we recommend placing it no more than 2 feet (0.6m) above or below the center of the left and right speakers. Use Figure 2 as a guide.

If the center speaker is placed above or below ear level, angle it up or down so it is aimed directly at the listeners. Use a pair of rubber door stops or similar devices to elevate the front or rear edge of the speaker cabinet as required.

Attaching the Rubber Feet

Peel the adhesive backing from the included rubber feet. If you are orienting the speaker vertically, place the feet on one of the speaker's end panels. If you are orienting the speaker horizontally, place the feet on one of the speaker's side panels (see Figure 3). The feet should be located approximately 1" (25mm) from the speaker's edges.

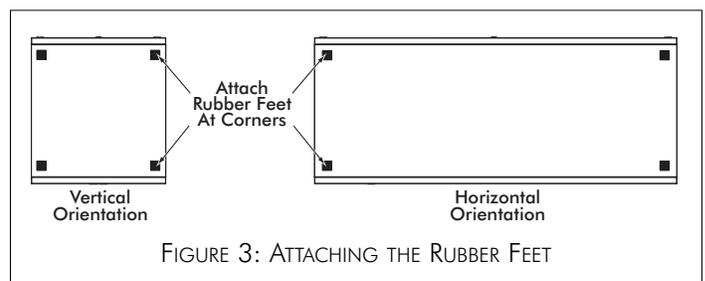


FIGURE 3: ATTACHING THE RUBBER FEET

Connecting the Speakers

The Cinema LCR1 Cabinet Speaker's binding post connectors (Figure 4) will accept single banana connectors, spade lugs, pin connectors and bare wire.

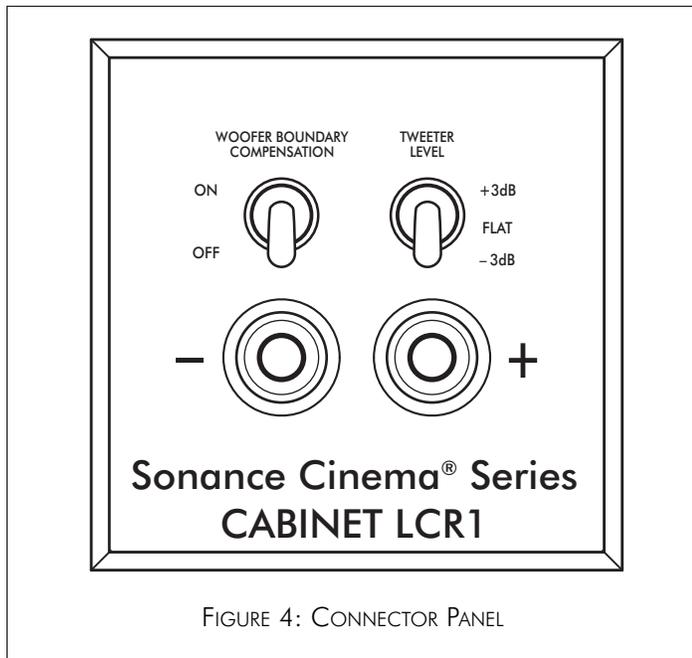


FIGURE 4: CONNECTOR PANEL

- **To use banana connectors:** Tighten the binding post nut so it is fully closed and insert the connector into the opening in the rear of the binding post.
- **To use spade lugs:** Loosen the binding post nut, insert the spade lug around the binding post's center shaft, and tighten the binding post nut to secure.
- **To use pins and bare wire:** Loosen the binding post nut to expose the opening in the post's center shaft. Insert the pin or bare wire through the opening and tighten the binding post nut to secure the wire. We recommend tinning bare wire with solder to prevent stray strands that can cause short-circuits.

CAUTION: BE SURE TO PREVENT THE '+' CONNECTOR FROM CONTACTING THE '-' CONNECTOR. TOUCHING CONNECTORS WILL CAUSE A SHORT-CIRCUIT THAT CAN DAMAGE YOUR AMPLIFIER.

IMPORTANT: MAKE SURE THAT THE SPEAKER WIRE POLARITY IS CORRECT: SPEAKER '+' TO AMPLIFIER '+' AND SPEAKER '-' TO AMPLIFIER '-'. PROPER POLARITY IS CRITICAL TO GOOD SPEAKER PERFORMANCE, PARTICULARLY IN HOME THEATER INSTALLATIONS.

Adjustments

Tweeter Level Adjustment (Figure 4)

In most rooms, Cinema LCR1 Cabinet speakers will sound best with the tweeter adjustment in the *FLAT* position. However, if the speakers sound too bright in your room, set the TWEETER LEVEL switch to the *-3dB* position. If the sound in your room is too dull, set the switch to the *+3dB* position.

Woofer Boundary Compensation Adjustment (Figure 4)

Placing the Cinema LCR1 Cabinet speaker on top of a TV or in a book case can increase the speaker's bass by as much as 6dB in the 65Hz – 200Hz range. This can affect the naturalness of music and make male voices sound thick and heavy. You can check for this by playing pink noise through the left, center, and right speakers and noting any tonal differences between them.

If any of the speakers is affected this way, set its WOOFER BOUNDARY COMPENSATION switch to the *ON* position to reduce its output in the 65Hz – 200Hz range.

Cleaning the Speakers

Clean the cabinet with a damp cloth. Do NOT use liquid cleaners or aerosol sprays as they may permanently damage the cabinet's finish. When cleaning the baffle panel, be careful not to touch the speaker drivers.

Specifications

| | |
|-------------------------|--|
| Tweeter: | 1" (25mm) silk dome, ferrofluid cooled |
| Midrange: | 4" (100mm) carbon fiber/Rohacell® laminated cone with a rubber surround |
| Woofer: | Two 5¼" (133mm) carbon fiber/Rohacell® laminated cones with rubber surrounds |
| Frequency Response: | 70Hz – 20kHz ±3dB |
| Impedance: | 6 ohms nominal; 4 ohms minimum |
| Power Handling: | 5 watts minimum; 150 watts maximum |
| Sensitivity: | 90dB SPL (2.83V 1 meter) |
| Dimensions (W x H x D): | 7.5" x 22" x 9¼" (190mm x 559mm x 230mm) |
| Shipping Weight | 25 lbs (11.4kg) each |

SONANCE CINEMA® LCR1 CABINET SPEAKER

LIMITED LIFETIME WARRANTY

Sonance warrants to the first end-user purchaser that this Sonance-brand product ("Product"), when purchased from an authorized Sonance Dealer/Distributor, will be free from defective workmanship and materials for the life of the Product. Sonance will at its option and expense either repair the defect or replace the Product with a new or remanufactured Product or a reasonable equivalent

EXCLUSIONS

TO THE EXTENT PERMITTED BY LAW, THE WARRANTY SET FORTH ABOVE IS IN LIEU OF, AND EXCLUSIVE OF, ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IS THE SOLE AND EXCLUSIVE WARRANTY PROVIDED BY SONANCE. ALL OTHER EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY, IMPLIED WARRANTY OF FITNESS FOR USE, AND IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE ARE SPECIFICALLY EXCLUDED. No one is authorized to make or modify any warranties on behalf of Sonance.

The warranty stated above is the sole and exclusive remedy and Sonance's performance shall constitute full and final satisfaction of all obligations, liabilities and claims with respect to the Product. IN ANY EVENT, SONANCE SHALL NOT BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL, ECONOMIC, PROPERTY, BODILY INJURY, OR PERSONAL INJURY DAMAGES ARISING FROM THE PRODUCT, ANY BREACH OF THIS WARRANTY OR OTHERWISE.

This warranty statement gives you specific legal rights, and you may have other rights which vary from state to state. Some states do not allow the exclusion of implied warranties or limitations of remedies, so the above exclusions and limitations may not apply. If your state does not allow disclaimer of implied warranties, the duration of such implied warranties is limited to period of Sonance's express warranty.

Your Product Model and Description: Sonance Cinema® Series Speakers

Additional Limitations and Exclusions from Warranty Coverage: The warranty described above is non-transferable, applies only to the initial installation of the Product, does not include installation of any repaired or replaced Product, does not include damage to allied or associated equipment which may result for any reason from use with this Product, and does not include labor or parts caused by accident, disaster, negligence, improper installation, misuse (e.g. overdriving the amplifier or speaker, excessive heat or cold or humidity, outdoor installation), or from service or repair which has not been authorized by Sonance.

Obtaining Authorized Service: To qualify for the warranty, you must contact your authorized Sonance Dealer/Installer or call Sonance Customer Service at (800) 582-0772, must obtain a return merchandise number (RMA), and must deliver the Product to Sonance shipping prepaid during the warranty period, together with the original sales receipt, or invoice or other satisfactory proof of purchase.



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