



PN.33-1599 12-03

IMPORTANT SAFETY INSTRUCTIONS

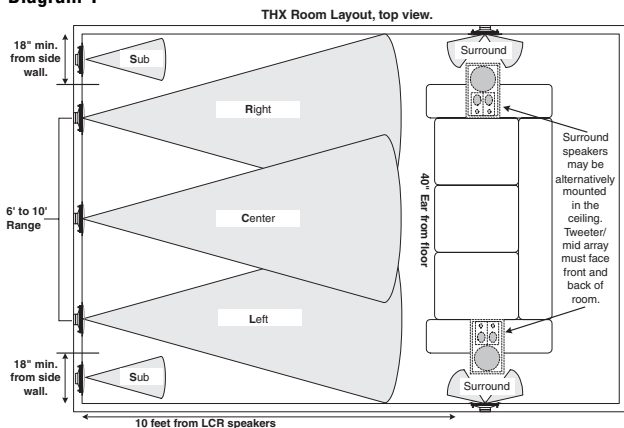
When using your Cinema speakers, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1. Read and retain the all instructions for future reference.
2. Follow all warnings and instructions in this manual and marked on the product.
3. Any service or repair required must be performed by qualified personnel.
4. Do not use this product in a high humidity environment or near water.
5. Never touch the drivers or push objects of any kind through the grilles.
6. Always provide adequate ventilation for the Sonamp 260. Allow a minimum of 1" above and 3" behind the amplifier. Do not block cooling vents on the amplifier case.
7. The amplifier should be situated away from heat sources.
8. The amplifier should only be connected to a power supply of the type marked on the back | panel. The power supply cord should be routed to avoid damage from contact with sharp objects or being stepped on.
9. Unplug the amplifier during thunderstorms or when the system will be unused for extended periods.
10. Exercise care to avoid spilling liquids on or in the amplifier or speakers.
11. Do not place the amplifier on an unstable table, stand, or cart. Improper placement may cause it to fall on an adult or child, causing serious injury and damage to the amplifier.

GETTING THE MOST FROM YOUR CINEMA SUBWOOFERS

Pre-installation is critical to achieving the maximum performance of your Cinema system. Factors such as location and height of seating and screen location dictate the proper placement and direction of speakers. The key factors in maximizing the performance of your subwoofers are their relationship to the LCR (left, center, right) speakers and proximity to room boundaries. Although the Cinema SUBs reproduce nondirectional low frequencies, they should be installed in the same wall as the screen and LCR speakers in order to form a coherent, integrated sound stage. If this is not possible, they may be located in the side walls, as near as possible to the wall with the LCR speakers.

Diagram 1

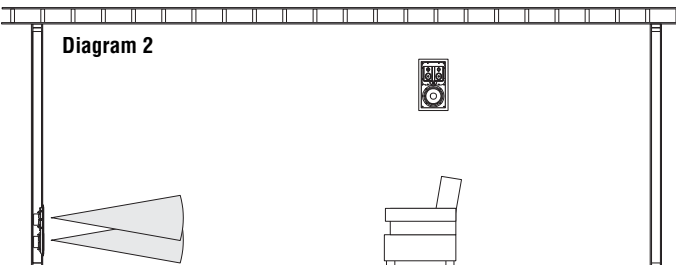


Locating your Cinema SUBs near a corner and close to the floor (Diagrams 1 and 2) provides the necessary acoustics to maximize efficiency and bass extension. The precise location of your SUBs will be dictated by the space requirements of the speakers, and in the case of the Cinema SUB, your decision whether or not to employ the optional Cinema Back Box. The

INSTALLATION INSTRUCTIONS

CINEMA SUB SYSTEM

Diagram 2



Cinema SUB System requires a nominal 4" depth (2" x 4") stud walls. Due to the high-energy output of which they are capable, it is recommended that the Cinema SUBs be installed in the optional Cinema Back Box available from your Sonance installer.

The following gauge quality speaker wire is recommended for the Cinema SUBs. • 14 gauge for less than 30 feet • 12 gauge for between 30 and 75 feet • 10 gauge for greater than 75 feet

Verify adequate parts and tools for the installation:

PARTS LIST / TOOL LIST • CINEMA SUB

	NEW CONSTRUCTION	RETROFIT
PARTS		
2 Cinema SUB speakers	●	●
2 Grilles	●	●
12 #8 x 3" mounting screws	●	●
2 Grille mounting rings	●	●
2 Back Boxes	●	●
8 Angle brackets	●	●
TOOLS		
Electric Drill (1/4" - 3/8" drive)	●	●
1" Flat Bit	●	●
3/8" Bit	●	●
Stiff Wire (coathanger, fishtape)	●	●
Torpedo Level	●	●
Wire Strippers	●	●
Keyhole or Drywall Saw	●	●
Gloves	●	●
Pencil	●	●

Installation with back box

PARTS LIST / TOOL LIST • CINEMA SUB

	NEW CONSTRUCTION	RETROFIT
PARTS		
2 Cinema SUB speakers	●	●
2 Grilles	●	●
12 #8 x 3" mounting screws	●	●
2 Grille mounting rings	●	●
8 Angle brackets	●	●
TOOLS		
Electric Drill (1/4" - 3/8" drive)	●	●
1" Flat Bit	●	●
3/8" Bit	●	●
Stiff Wire (coathanger, fishtape)	●	●
Torpedo Level	●	●
Wire Strippers	●	●
Keyhole or Drywall Saw	●	●
Gloves	●	●
Pencil	●	●

Installation without back box

INSTALLATION SAFETY

When installing Sonance Cinema speakers, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1. Never drill or cut into wall cavities that already contain electrical wiring or plumbing.
2. Follow all warnings and instructions in this manual and marked on the product.
3. Do not install this product in a high humidity environment or near water, for example a wet basement, wet bar, or swimming pool.
4. Never touch the drivers or push objects of any kind into this product through the grilles.
5. Always exercise caution when working in unfinished spaces

such as attics. Areas with exposed joists present a significant danger of injury from falls or stepping on nonstructural surfaces. Before working in areas with exposed joists, always create temporary walkways using plywood or dimensional lumber.

CINEMA SUB WITH BACK BOX, NEW CONSTRUCTION – BACK BOX INSTALLATION

Insert the Cinema SUB back box between studs, moving the studs if necessary to achieve proper fit. Attach the back box with the L brackets provided, or if back box is installed against the floor plate, use long 2-1/2" screws through the studs into the sides of the back box every 6". For optimum performance, mount back boxes as low and near to a corner as possible.

Drill a hole as small as possible in the rear or side panel of the back box and pass the speaker wire through it. For ease of speaker installation, Leave two feet of extra wire beyond the actual speaker mounting location. Seal the hole with silicone caulking compound.

CINEMA SUB ACOUSTIC ENCLOSURE INSTALLATION

Speaker Placement – Survey sites for installation obstacles such as plumbing, wiring, and other fixtures. Access the attic or crawl space to check routing of air ducts and available mounting depth: Cinema Subs require 3-3/4" of wall depth and 2 cubic feet of volume.

At each selected site, use a stud locator to identify an open space between studs. Drill a small hole in the center of the chosen area and insert a bent coat hanger to confirm that the cavity is clear.

Retrofit Hole – Using a level and draw a line around the cardboard cutout template to use as a pattern for cutting the hole. Use a drywall saw to cut the hole, keeping the edges square and paying particular attention to keeping the horizontal cuts level.

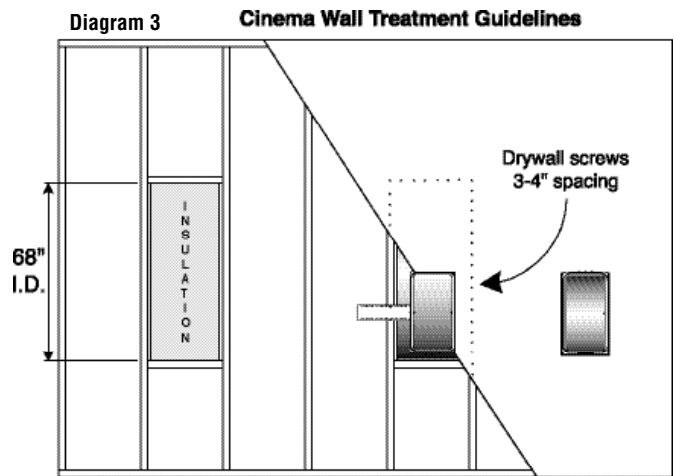
1. Remove Roto-Lock screws and toggle feet.
2. Remove six (6) Roto-Lock towers.
3. Using six (6) Roto-Lock screws, attach subwoofer to back box.

Insulation and Caulking – Silicone caulking compound should be used to seal the junctions of fire stops, floor plate, and studs. The stud bay should be as air tight as possible. Fill cavity with unfaced fiberglass batting.

Secure drywall with screws every three to four inches in the studs, fire stop(s) and floor plate that define the SUB enclosure.

Apply a bead of caulking compound to both the front and back of studs around the perimeter of the enclosure. Reach through the mounting ring to apply caulk.

Leave two feet of extra wire for ease of speaker installation. Attach the wire to the bracket with a cable tie.



SPEAKER INSTALLATION

Wire Connections – Strip 1/2" of insulation from each speaker wire. Attach the positive conductor to the red 5-way binding post and the negative wire to the black post. To connect, loosen the nut on the binding post until the hole in the post is visible. Insert the stripped end of the wire through the hole, then snug the nut. Do not over tighten.

Speaker Mounting –Screw each speaker assembly by inserting the six screws provided through the baffle into the back box.

Replace the grilles.

CONNECTING THE CINEMA SUB AMPLIFIER

The Sonamp Cinema 260 specially is designed to drive subwoofers. Connect the sub-woofer output interconnect to the left channel input jack on the rear of the Cinema 260. If the source preamplifier has no dedicated subwoofer output, use a pair of interconnect cables from the preamp out to the left and right input jacks of the Cinema 260.

If no line level output is available to drive the subwoofer, use a Sonance OP-3 to convert high level speaker output to the appropriate level for input to the Sonamp Cinema 260. Connect subwoofer speaker wires to the right and left speaker terminals on the back of the amplifier.

NOTES: Polarity of speaker wires is critical. All positive leads (+) must be attached to red connectors throughout the system.

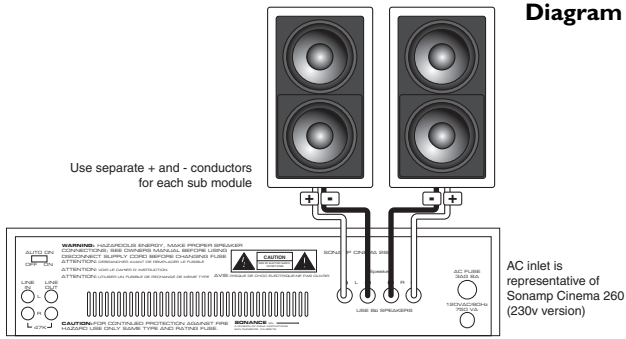
Since the Sonamp Cinema 260 subwoofer amplifier sends a monaural signal to both speakers, either speaker (right or left) may be driven by either amplifier channel.

The Sonamp Cinema 260 subwoofer amplifier is designed to drive one speaker per pair of binding posts. Connecting additional speakers in parallel may cause damage to the speakers and amplifier.

Do not tie amplifier output (+) terminals together and run a single 2 conductor to the two subwoofers. Each amplifier channel requires separate positive (+) and negative (-) conductors, 4 total for each amplifier and two subwoofer modules.(See diagram 4)

Plug the power cord into an AC outlet of the voltage indicated on the amplifier. Do not use a switched outlet on another component.

Diagram 4



CINEMA SUB

Design	In-Wall Infinite Baffle
Driver Complement	Woofer –Two 8" (203mm) Polypropylene cone with a rubber surround
Frequency Response	35Hz to 20,000 Hz ±3dB
Impedance	4Ω nominal, 3Ω minimum
Power Handling	5 to 150 watts
Efficiency	90dB 1W/1m
Grilles	Metal
Speaker Dimensions (WxHxD)	11-1/2" x 20-1/4" x 3-7/8" (292mm x 514mm x 98mm) Fixed Depth Bracket Cutout - 10-3/16" x 18-15/16" (259mm x 481mm)

SUBWOOFER SETTINGS

Some experimentation will be necessary to achieve the best possible integration of the Cinema SUBS with the other speakers in the system. Start with the following settings on the Sonamp Cinema 260:

- **FREQUENCY:** fully clockwise, highest crossover frequency
- **PHASE:** down, 0, normal phase setting
- **LEVEL:** 12:00 (The 12:00 level setting is correct for most Dolby AC-3 and THX processors.)

Always take SPL readings from ear level at the listening position.

When used in conjunction with some components, the bass response of the Cinema SUBS will be greater with the phase switch in the down position. Listen to music with significant bass content with the switch in each position to determine the correct setting for your system. Sitting in the normal listening position, listen while a friend changes the phase switch position. The audibly louder setting is correct. Alternately, use an SPL meter to determine which setting produces greater output in the 75-125 Hz range.

If you experience buzzing or rattling during strong bass passages, it may be necessary to relocate or remove items in the listening room which become excited by the high energy levels reproduced by your Cinema SUBS.



SONAMP CINEMA 260

Power Output (RMS)	125 watts per channel @2Ω
Both channels driven:	
Dynamic Power at Clipping:	140 watts per channel @2Ω
Total Harmonic Distortion:	
Input Impedance:	56KΩ
Power Consumption:	2% 250Hz @2Ω
Dimensions (WxHxD):	500 watts (625VA) at full output 16-3/4" x 3-1/2" x 12-1/2" (425mm x 89mm x 318mm) 19" x 5-1/4" x 12-1/2" (483mm x 133mm x 318mm) Optional Rack Mount Version
Shipping Weight	25 lbs (1.33 cubic feet)

TECHNICAL ASSISTANCE

If you any have questions about the operation or installation of this device, please call our Technical Assistance Department on any business day at:

(800) 582-0772 or (949) 492-7777; from 7 a.m. to 5 p.m., PST.

OBTAINING SERVICE

If your product should need repair or service, contact your authorized Sonance dealer for help or use the following procedure:

1. Prior to calling, note the product's model number, serial number, purchase date, and original dealer's name and address.
2. Contact our Technical Assistance Department at the above number(s) and describe the problem the unit is experiencing. If applicable, they will issue a Return Authorization Number.

IMPORTANT: Do not return the unit to Sonance without first obtaining a Return Authorization Number.

3. If you're directed to return the unit to Sonance for repair, pack the unit in its original shipping carton. If needed, you can obtain replacement packaging from us for a small charge. Note: it is best if you place it into an additional outer "overcarton" before shipment to minimize a chance of theft in shipment.

4. Contact United Parcel Service, Federal Express, or RPS to arrange prepaid (not collect) shipping. Do not use the U.S. Mail Service.

IMPORTANT: Freight collect shipments will be refused.

5. Write the Return Authorization Number on the outside of the shipping carton. For warranty work, please include a copy of the original bill of sale inside the package.

6. Ship the packaged unit to:

Returns Department
Sonance
212 Avenida Fabricante
San Clemente, CA 92672-7531

WARRANTY COVERAGE (U.S. ONLY)

If, within five (5) years from the date shown on the bill of sale, the unit fails, due to a defect in workmanship or material, Sonance will, at its option and at no charge, repair or replace the components of such unit which prove to be defective. For this warranty to be effective, the bill of sale must show that the unit was purchased from an "Authorized Sonance Dealer" and must list the price paid. This warranty shall apply exclusively to the original purchaser and shall not apply to units purchased for industrial or commercial use.

Furthermore, this warranty shall not apply if:

- 1) Damage to the unit was caused by accident, abuse, or misuse;
- 2) The unit was opened, modified, or repaired by unauthorized personnel; or
- 3) The unit was not used as outlined in the operating instructions.

EXCLUSIONS AND LIMITATIONS

The warranty set forth above is in lieu of all other warranties, express or implied, of merchantability, fitness for a particular purpose, or otherwise. The warranty is limited to Sonance products registered herein and specifically excludes any damage to loudspeakers and other allied or associated equipment which may result for any reason from use with this product. Sonance shall, in no event, be liable for incidental or consequential damages arising from any breach of this warranty or otherwise. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.