

## OWNER'S MANUAL



### *Model EA300SW*

*Stand-Alone  
Outdoor Stereo/Speakers*

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\* These specs provided for reference since EA300SW speakers are not intended to be driven from an external amplifier. However, if desired, the two upper speakers can be used with an external stereo amplifier.

**WARNING!** Plastic bags are used in the packaging of your speakers. To avoid danger of suffocation, please keep these bags away from babies and children.

Small parts are also contained with your speakers to complete assembly and may present a choking hazard for babies and small children as well.

## Specifications

### Drivers per Pair:

Tweeter	2 - 1" Titanium dome / ferrofluid cooled
Woofer	2 - 6.5" Polypropylene cone with rubber surround
Subwoofer	2 - 6.5" Polypropylene cone with rubber surround

### Electrical:

Frequency Response	Overall 35Hz - 20kHz Lower -3db limit 42Hz
Crossover-tweeter/woofer	12db/oct at 3500Hz Air core inductors and polypropylene capacitors
Crossover-subwoofer	12db/oct at 120Hz

Nominal Impedance\* 4 ohms

Power Handling\* 75 watts rms / 100 watts peak

SPL\* 86db 1W/1m

Inputs Gold-plated / accepts banana connectors or wire (8ga. max)

### Dimensions:

Cabinet Size (as installed) 35-7/8" H x 8-7/8" W x 9-1/4" D

Footprint Size 12" W x 9-1/4" D

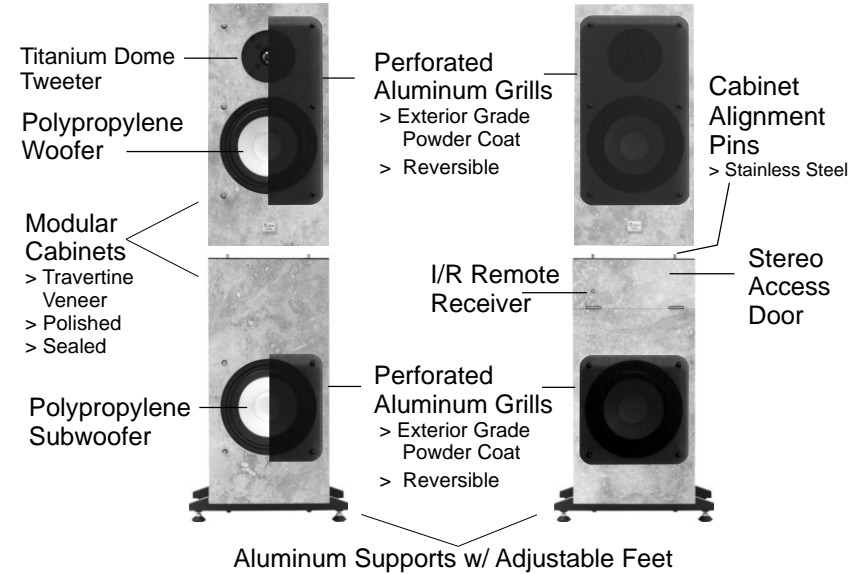
Cabinet Weight  
Upper ~36lbs. ea.  
Lower (w/stereo) ~43lbs.  
Lower (w/o stereo) ~36lbs

### AM/FM/CD Stereo:

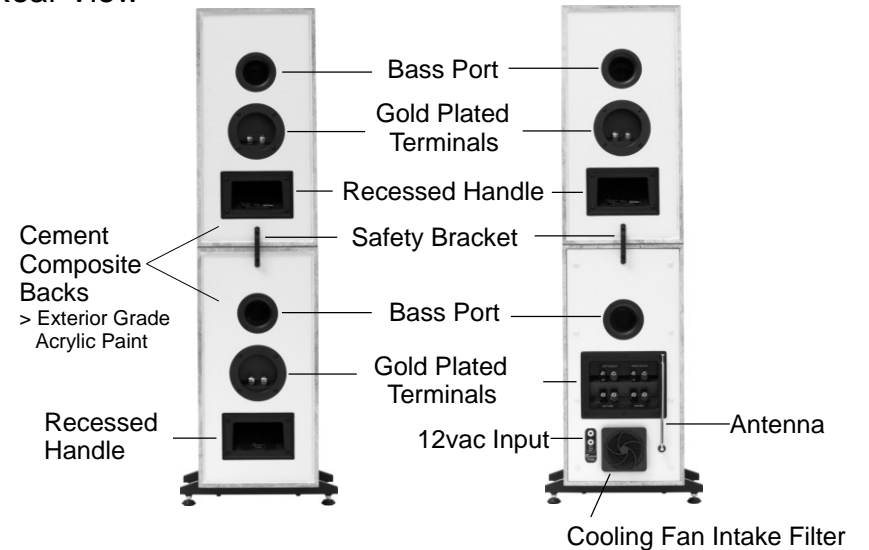
Please see enclosed AM/FM/CD owner's manual for manufacturer's specifications

## Design Features

### Front View



### Rear View



### *Introduction*

Congratulations, and thank you, for your purchase of our EA300SW outdoor speaker system! We are confident you will agree our audio products add a touch of indoor elegance and styling to your outdoor living space that you will appreciate for many years to come. Besides our unique one of a kind stone veneer cabinets, your new speakers include many other innovative features, such as:

- integrated low voltage marine grade AM/FM/CD stereo electronics with conformally coated circuit boards to protect against moisture;
- integrated powered dual subwoofers;
- reversible speaker grills;
- remote/extended run power via 12vac outdoor transformer;
- custom low voltage/high current audiophile dc power supply;
- high and low temperature sensing for ventilation and heat.

Please read this manual thoroughly before attempting assembly and installation.

### *Inspection*

Inspect all boxes and contents for any signs of hidden or concealed damage. If any damage is discovered, contact us immediately, if possible, and within no more than five business days after receipt.

### *Install Location and Cautions*

EA300SW's use only low 12vac/dc voltages, and are safe to place in any outdoor environment, including wet locations.

Although, our speaker systems are designed and tested to withstand the rigors of open air installation, an install location with some shielding from sun, direct moisture exposure, and placement in front of a wall is the ideal location from the standpoint of minimizing maintenance, extending the "like new" appearance, and improving bass performance.

A special note about sun exposure and heat: Placing this system in direct sunlight will potentially generate enough heat to activate the high temperature shut-down safety circuit, which deactivates power while keeping the forced air ventilation fan running. The system will reset once temperatures return to a safe level. An install location with some shielding from direct sun, especially in the summer, or system operation when ambient temperatures are lower will help minimize the occurrence of system shut-downs.

This Warranty is not transferable and does not cover product purchased, serviced or used outside the United States. The Warranty does not extend to the elimination of externally generated static or noise, or to costs incurred for the installation, removal or reinstallation of the product.

This Warranty does not apply to any product or part thereof which, in the opinion of the Company, has suffered or been damaged through alteration, improper installation, mishandling, misuse, neglect, accident, disaster, improper maintenance, failure to follow instructions, excess voltage or current caused by lightning, power line fluctuations, or by faulty 12vac power supply transformer, or any repairs not specifically authorized by the Company.

THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

This Warranty is in lieu of all other express warranties or liabilities. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO DURATION OF THIS WARRANTY. IN NO CASE, SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES WHATSOEVER. No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

This warranty gives you specific legal rights, and you may have other rights which vary from state to state. Some states do not allow the exclusion or limitations of consequential damages, so the above limitations may not apply to you.

Interpretation and enforcement of this terms and conditions shall be governed by the laws of the State of Texas.

**IMPORTANT! All warranty returns of our Model EA300SW product, must have the two CD Unit transit screws reinstalled prior to return to prevent transit/shipping damage. Any returns received without the two CD Unit transit screws in place will VOID CD Unit one year warranty regardless of reason for warranty return.**

*1/3/5 Year Limited Warranty*

Exteris Audio, LLC (the “Company”) warrants this outdoor speaker system, whether used outdoors or indoors, against defects in material and workmanship under normal use to the original retail customer for the following periods from the date of original purchase:

- 1 Year** – Dc power supplies, fans, and installed stereo components;
- 3 Years** – All tweeter, woofer, and subwoofer drivers, including electronic crossovers. Powder coat finish on speaker grills, and base supports are warranted against peeling and blistering due to adhesion loss only. Chipping and fading are not covered; and
- 5 Years** – Speaker cabinet glue joints and attached cabinet hardware, e.g. terminals, bass ports, recessed handles, etc. Stone veneer is not warranted against naturally occurring cracks, surface defects, and finish.

To obtain repair or replacement within the terms of this Warranty, customer must contact Company via phone or email to verify proof of purchase and obtain a Return Authorization Number. Company will accept no product for return without prior consent. Company at its option, will: 1) correct the product defect without charge for parts and labor; or 2) replace the defective product with one of the same or similar design without charge for parts and labor. New and/or reconditioned parts may be used for warranty repairs. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. Customer must pay all return shipping and insurance costs for warranty service, and Company will pay all shipping and insurance cost for return shipping to customer in the contiguous United States.

Due to the weight of our products and risk of shipping damage if improperly packaged, all authorized product warranty returns must be shipped in the original shipping containers, along with proof of purchase, prepaid insured. Customer assumes all risk of loss or damage in transit. If original shipping containers are not available, the appropriate packaging can be ordered by calling us.

Please be reminded that the AM/FM/CD player installed in your system has a removable faceplate/control panel and IR remote control. The faceplate can be removed and stored in its protective case. Both the faceplate and IR remote should be stored indoors when not in use.

Also, our outdoor speaker systems are fully weatherproof and water resistant, when installed in accordance with this Owner’s Manual. Our speaker systems are not waterproof, and must never be submerged.

*Contents*

In addition to the four speaker cabinets, you will find the following items included that will be needed to complete assembly and install:

Description	Qty
1. 14" x 8" perforated aluminum speaker grill	02
2. 8" x 8" perforated aluminum speaker grill	02
3. 12" x 5/8" aluminum base support	04
4. Adjustable feet w/ locknut	08
5. Safety bracket	02
6. 1/2" hole plug	02
7. 3/4" x 23/32" winterizing port plug	01
8. 12vac solderless banana plugs	02
9. #6-32 x 5/32" stainless button head cap screw	20
10. #8-32 x 1/4" stainless button head cap screw w/ washer	04
11. #10-32 x 1" phillips head stainless machine screw	08
12. 5/64" hex wrench for #6-32 screws	01
13. 3/32" hex wrench for #8-32 screws	01
14. 1/4" x 1" stainless steel alignment pins	08
15. EA300SW Owner's Manual	01
16. CD/FM/AM Stereo Owner's Manual	01

*Unpacking*

- 1. Move all boxes as close as possible to the final installation location.
- 2. If system was shipped, carefully open each outer shipping box and remove the inner box which contains the speaker cabinet and parts.
- 3. Referring to *Fig.1*, on the next page, carefully remove all loose components and parts from each box as designated by the corresponding letter:

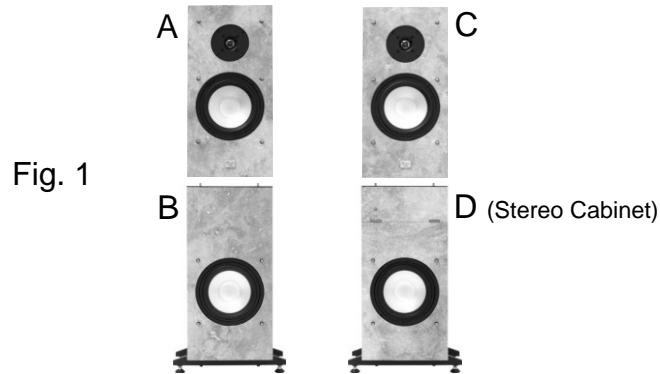


Fig. 1

A,C: Boxes for these cabinets will contain one (1) 14" x 8" perforated aluminum grill. Remove and place on a flat surface.

B,D: Boxes for these cabinets will each contain one (1) 8"x 8" perforated aluminum grill and two (2) aluminum base supports. Remove for later installation.

Note: All remaining parts for assembly/install will be located in a separate small parts box.

- Now that all loose components and parts are removed, place boxes on their side on a solid non-scratch surface, open bottom flaps of boxes, and, from the front or rear, carefully push cabinet until completely free of box. Cabinet should be resting on four (4) foam corners. Refer to Fig. 2 below for safe removal of each speaker/cabinet.

**NOTE!** Cabinets are heavy, remove carefully. Seek help if needed.

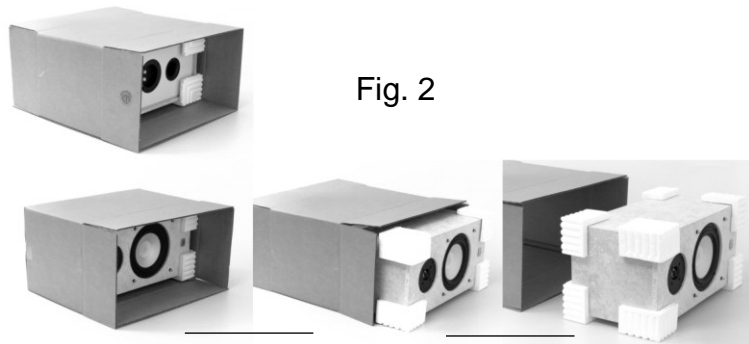


Fig. 2

### High and Low Temperature Protection

Your new speaker/stereo system incorporates onboard temperature sensing to monitor internal cabinet temperatures to help manage and minimize excessive heat and cold.

High temperature protection is accomplished by using a cooling fan to provide a constant supply of filtered forced air ventilation. Internal temperatures are continually monitored during system usage and will automatically switch fan speed from low to high when needed. In the event the internal cabinet temperature reaches an unsafe level, power to the stereo electronics will be automatically disconnected, while the cooling fan continues to run until the temperature drops. Once cooling fan turns-off, the stereo system can be manually powered on again.

If your speaker/stereo system remains outdoors during the winter months, you can activate its low temperature protection circuit by following these steps:

- If necessary, remove and store the AM/FM/CD stereo faceplate;
- Program your 12vac outdoor transformer to turn on when freezing temperatures are expected, i.e. at night, or 24 hrs/day if needed. If your transformer doesn't have a timer, then manually turn it on/off;
- Use the large ~2" "winterizing" port plug provided with your system to plug the bass/air exhaust port on the back of the AM/FM/CD player cabinet (cabinet D). See Fig. 12 below. This plug prevents heat loss and is required - just be sure to remove it the next time you play your stereo!;
- Low temperature protection is now active and will turn-on/off an internal heating circuit automatically.

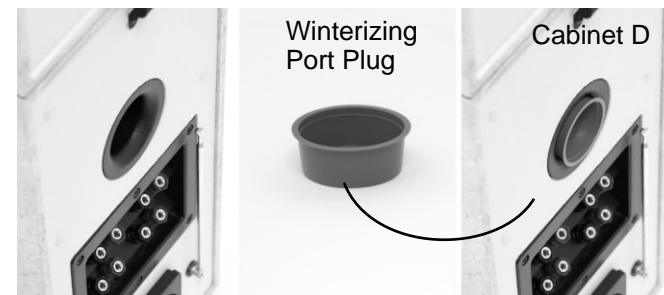


Fig. 12

**Cabinets** – Since all natural stone has some level of porosity, it is important that a high quality sealer be used periodically. We use, and recommend, a water based color enhancing penetrating stone sealer to keep the veneer finish looking its best. If our systems are exposed directly to rain, snow and ice, then treating the cabinets every 6 months is recommended. Indirect exposure, will reduce the application of fresh sealer to about every 12 months. A good test is to clean the top of a cabinet and sprinkle a few drops of water to see if they bead on the surface. If you don't see a nice round water bead, then it's time to reapply sealer. To remove dirt build-up, simply wipe cabinet with soft damp cloth.

**Grills** – Dirt/contaminate build-up from the powder coated aluminum grills should be removed as needed or every 3 months by cleaning each grill in a solution of mild non-abrasive liquid detergent and water using a soft brush, being careful not to apply too much pressure, which may scratch the finish or bend the grill. Regular cleaning is especially important in coastal areas.

**Supports** – Same as Grills above, but use only fresh water (no detergent), being careful not to disturb the rubber gasket installed on top side of supports, which are mounted with waterproof adhesive.

**Woofers** – To maximize woofer/subwoofer driver life, gently wiping dirt from the rubber surround with a soft damp cloth and applying a coat of Armor All® protectant will help prevent rot and extend life. It's recommended that cleaning and treatment take place each time the speaker grills are removed for cleaning.

**Tweeters** – DO NOT attempt to clean.

**NOTE!** Water should never be streamed directly into speaker drivers for the purpose of cleaning.

**Air Filter** – Fan intake filter should be cleaned as needed by vacuuming or gently washing.

- From boxes with cabinets A,C remove the top four (4) foam corner protectors and place in the up position on a solid surface. Next, move each cabinet and place it face-up, with the back side resting on/in the foam corner pieces as shown in Fig. 3.
- From boxes with cabinets B,D remove the top four (4) foam corner protectors and place two (2) in the up position on a solid surface. Next, locate the four (4) small blue foam squares provided and place two (2) for each cabinet as shown in Fig. 4. Finally, move each cabinet and place it face-up, with the back side resting on/in the foam corner pieces as shown in Fig. 4. This arrangement prevents damage to the antenna on cabinet D and allows clearance for installation of the Base Supports.



Fig. 3

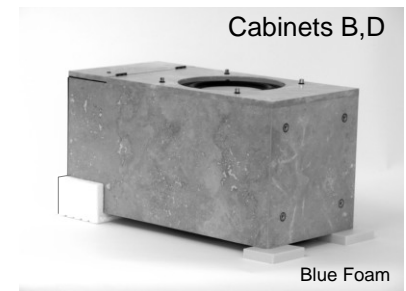


Fig. 4

Note: Save (as many as possible) boxes/shipping materials for future transport or shipment.

- You are now ready to proceed to assembly and installation.

### Assembly/Installation

- Mount cabinet Base Supports to lower cabinets B and D.
  - Locate four (4) aluminum Base Supports and eight (8) #10-32 x 1" stainless machine screws.
  - Using a phillips screwdriver, mount 2 ea. aluminum Base Supports to the bottom of cabinets B and D with eight (8) #10-32 x 1" stainless machine screws.

**NOTE!** Be careful not to overtighten screws.

- 1c. Locate eight (8) Adjustable Feet with locknuts and thread two (2) into each of four (4) Base Supports until snug.
2. Raise two (2) bottom cabinets B and D to their upright position.
  - 2a. Locate eight (8) stainless 1/4" x 1" alignment pins.
  - 2b. Install four (4) ea. alignment pins into top of cabinet B and D.
3. Remove CD player Transit Screws from top of cabinet D.
  - 3a. Cabinet D has two(2) 1/2" holes in the top to allow access to two (2) Transit Screws, which lock and protect the CD player during shipment. See Fig. 5. These screws must be removed before mounting cabinet C and before playing CD's.
  - 3b. Using a small phillips screwdriver (magnetic preferred), visually locate the small Transit Screws and remove, being very careful not to drop the screws inside the cabinet.
  - 3c. Once Transit Screws are removed, store these in a safe location for future use. They should be reinstalled anytime cabinet is transported to another location or shipped.
  - 3d. Locate two (2) 1/2" plastic hole plugs and insert into transit holes on top of cabinet D.

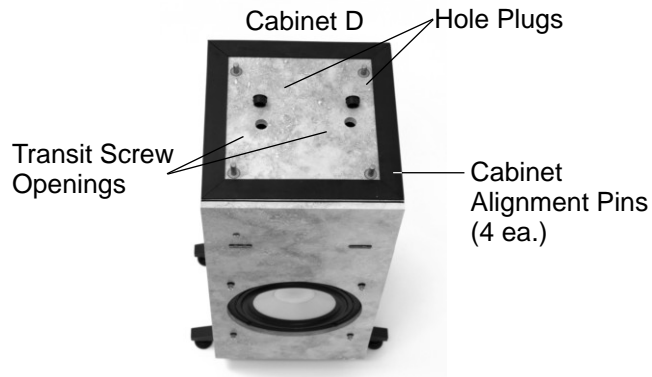


Fig. 5

4. Cabinets B and D are now ready for placement in their final install location.
5. Move cabinets B and D to install location.
  - 5a. Using the recessed handle in the back of cabinet B insert right or left hand into handle, steady the top of the cabinet with your other

In order to maintain the highest audio fidelity possible, the following speaker cable lengths versus wire gauges are recommended:

- Cable runs up to 10 feet: 18 ga.
- Cable runs up to 25 feet: 16 ga.

As noted earlier, stereo power is accomplished via a 12vac-120W UL Approved outdoor/landscape transformer and is a customer supplied item, along with the power cable. It can be purchased at your local hardware or home improvement store, such as Home Depot® or Lowe's®. 12vac connections to the back of the cabinet are made using the solderless banana plugs supplied with your new system. Simply strip each low voltage cable lead back about 1/2", unscrew the yellow banana plug top and feed the wire through the top, into the hole/slot in the plug and screw the yellow top back on the banana plug as shown in Fig. 11. Since ac voltage is used, you can insert either banana plug into either banana connector/jack.



Fig. 11

In order to maintain the highest audio fidelity possible, the following 12vac cable lengths versus wire gauges versus planned stereo volume levels are recommended:

0-70% of Max Level

- 50 feet / 16 ga.
- 100 feet / 14 ga.
- 150 feet / 12 ga.

100% of Max Level

- 25 feet / 16 ga.
- 50 feet / 14 ga.
- 75 feet / 12 ga.

### Maintenance

Your new speaker system is made of very rugged materials and components to ensure years of trouble-free performance. However, in order to extend the "like-new" appearance and life well beyond the warranty period, proper maintenance procedures are necessary and summarized as follows:



## Audio/Power Connections

Model EA300SW speaker/stereo system is a “stand-alone” system, which only requires wiring runs between the left and right speakers and to a UL Approved 12vac-120W outdoor transformer as noted in *Fig. 10*.

It should be noted, external power to the integrated stereo is controlled by a special sensor located in the stereo cabinet door. The door must be opened in order to turn the system on initially, but may be opened and closed thereafter without affecting stereo operation. This feature was added to minimize power consumption.

**NOTE!** The door should never be left open with the stereo power turned off and the outdoor transformer on.

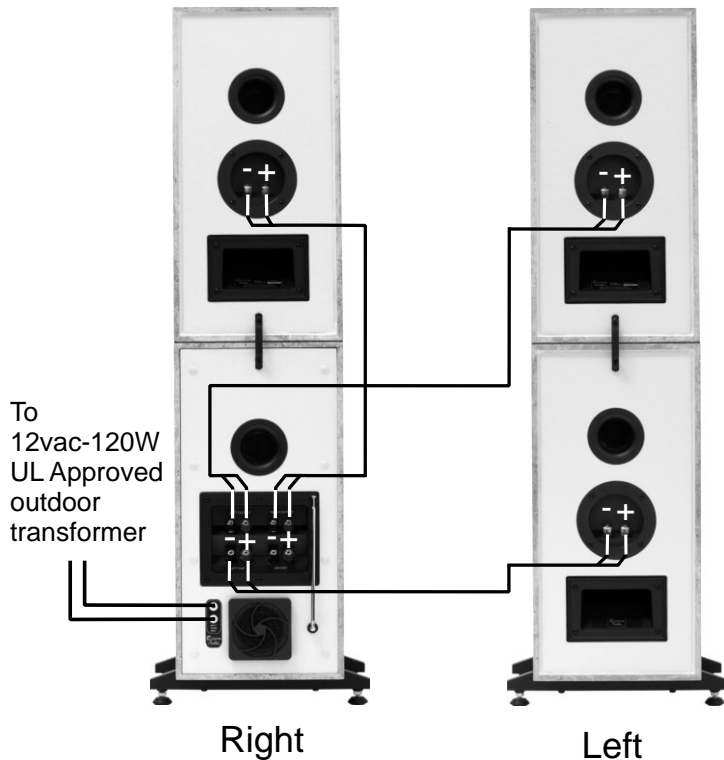


Fig. 10

hand as noted in *Fig. 6*, carefully perform a test lift to ensure you can safely carry the cabinet. If in doubt, seek help. Once you are satisfied you can carry the weight, carefully lift and move cabinet B to its final install location.

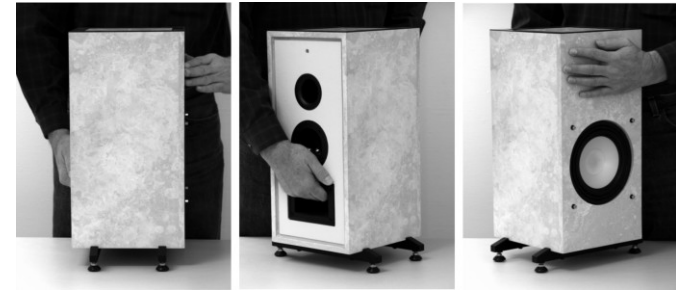


Fig. 6

5b. For cabinet D, which does not contain a recessed handle, place your right or left hand at the back and under the cabinet at the rear base support, steady the top of the cabinet with your other hand as noted in *Fig. 7*, carefully perform a test lift to ensure you can safely carry the cabinet. If in doubt, seek help. Once you are satisfied you can carry the weight, carefully lift and move cabinet D to its final install location.



Fig. 7

5c. Leave enough room initially to mount each top cabinet, install the Safety Bracket, attach speaker wires and power transformer banana connectors.

6. Move cabinet A and C to install location and mount to cabinet B and D.

- 6a. Using the recessed handles in the backs of cabinets A and C, insert right or left hand into handle, steady the top of the cabinet with your other hand as noted in *Fig. 8*, carefully perform a test lift to ensure you can safely carry the cabinet. If in doubt, seek help.

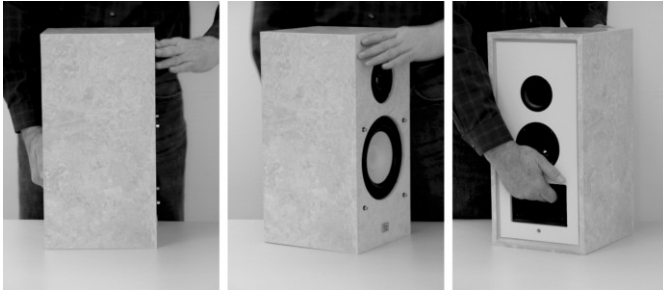


Fig. 8

- 6b. Once you are satisfied you can carry the weight and guide the speaker cabinet over the bottom cabinet, proceed to move each cabinet to the same location as cabinets B and D.
- 6c. Referring to note below, place cabinet A (S/Nx) over cabinet B and align cabinet exterior edges until top alignment bushings mate to bottom alignment pins, being careful not to allow the top cabinet to drop forcefully to top of bottom cabinet. Once alignment achieved, slowly lower the top cabinet on to the bottom cabinet.
- 6d. Repeat above procedure for cabinet C (S/Nx+1) and D.

Note: Each *upper* speaker cabinet has a serial number label located on the recessed handle. These serial numbers are sequential and are numbered as follows: S/Nx = cabinet A, S/Nx+1 = cabinet C. For example, S/N 1 = A and S/N 2 = C.

7. Install two (2) Safety Brackets on rear of mounted speaker cabinets.
- 7a. Locate two (2) Safety Brackets, four (4) #8-32 x 1/4" stainless button head cap screws and four (4) washers.
- 7b. Using the provided 3/32" hex wrench, install the safety bracket on each of the right and left tower arrangements. See *Fig. 9* for details.

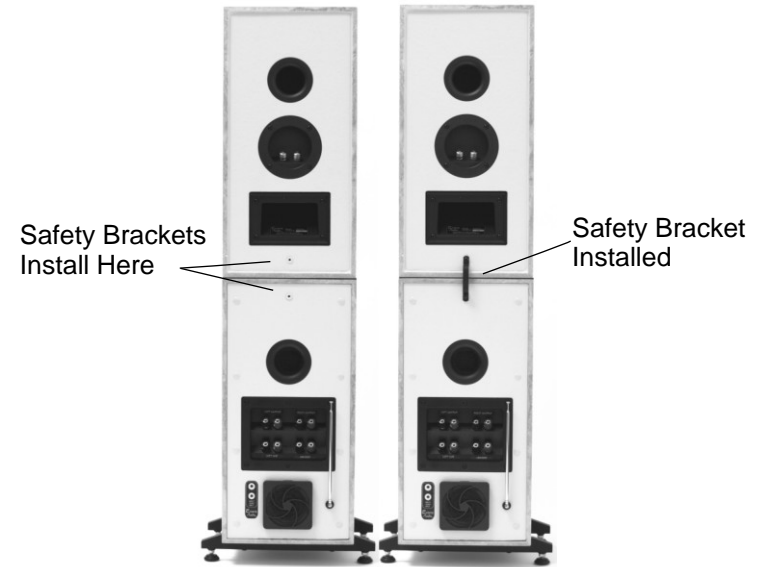


Fig. 9

8. Install four (4) Speaker Grills on cabinets A,B,C, & D.
- 8a. Locate two (2) 14"x8" and two (2) 8"x 8" perforated aluminum speaker grills and twenty (20) #6-32 x 5/32" stainless button head cap screws.
- 8b. Install one (1) ea. speaker grill on cabinet A,B,C, & D using provided 5/64" hex wrench and twenty (20) #6-32 x 5/32" stainless button head cap screws. Install screws just enough to catch the first few threads without fully tightening until all screws are in place. Once all screws in place, snug screw heads to the surface of the grill with light pressure.

**NOTE!** Be very careful not to overtighten screws.

- 8c. Carefully move assembled cabinets into final position. Using a bubble level, adjust feet to level top or provide a slight slope to the rear of the speaker cabinets to aid in water run-off, if direct exposure to rain/snow is expected.
9. CONGRATULATIONS! Assembly is now complete and speakers are ready to be connected.