

# OWNER'S MANUAL

## Whole House Audio™ WH6.2RT / WH6.1RT / WH6.0RT

### SPEAKER PLACEMENT

Before installing your speakers, you should consider the placement carefully, taking into account the location of electrical, plumbing and other fixtures. Contact your dealer for assistance if you are not sure of the best location in your particular room environment.

**Placement in Ceiling:** When placing your speakers in the ceiling, they should ideally be located above the primary listening area. In a very large room with low ceilings, it may be necessary to place additional speakers throughout the room spaciousness. Contact your Authorized SpeakerCraft dealer for assistance.

**Placement in Wall:** When placing your speakers in the wall, optimal sound will be achieved when your speakers are mounted at ear level or slightly higher on the wall and the usual listening area is no closer to the wall than the distance between the speakers themselves. **(See Diagram 1)**

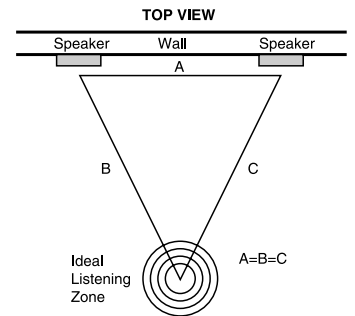


Diagram 1

### MOUNTING SURFACE PREPARATION

#### New Construction - Unfinished Ceilings and Walls

A new construction bracket (available from your dealer) may be installed prior to drywall application across studs or joists (up to 24" on-center) where a speaker will be located. Insulation material should be in place prior to installing drywall. After the hole is cut and the drywall is installed, the speakers are then easily installed following the instructions for mounting in "Finished Ceilings and Walls".

#### Finished Ceilings and Walls

Prior to the actual installation of the speakers, it will be necessary to run cables to the speaker locations. See your dealer for more information on cable installation. After the cable has been properly installed, you are ready to mount the speakers. Following the simple steps listed below will result in a professional looking installation:

1. Determine the best area to mount your speakers. This area of the ceiling or wall should be free of obstructions, such as electrical conduit, HVAC ducts, or water lines. This can best be determined by noting the placement of fixtures and gaining access to an attic or crawl space for further analysis of the location of such obstacles.
2. Find the studs/joists nearest the desired speaker mounting location. We highly recommend using a good stud-finder tool for this procedure. If you are lining up the speakers to some other object or molding in the room, make sure you consider the size of the baffle flange which extends beyond the mounting hole.
3. Mark the hole. A punch out template for setting the hole is provided in the box. Position the template in the desired position and pencil an outline on the wall or ceiling.
4. Cutting the hole. **CAUTION: This is the most important part of the entire installation.** If you are not certain whether any obstructions exist behind the desired mounting area, you should start by cutting a small hole in the center of your penciled mounting hole with a drywall saw, cutting at a 45° angle towards the inside of the hole. **(See Diagram 2)** Cutting the small hole at this angle will make dry wall repair much easier, using the piece cut out. Once you have determined there are not obstructions in your desired mounting location, start cutting the finished hole at a 90° angle to the wall surface.
5. Add insulation. If the area in the ceiling or wall is not already insulated, add an adequate amount insulation material to loosely cover the back of the speaker or to fill the wall cavity. If the insulation material used is faced with foil or paper, position the foil or paper away from the speaker.

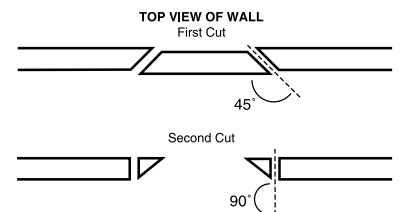


Diagram 2

### SPEAKER INSTALLATION

The unique mounting bar system incorporated into your WH6.2RT / WH6.1RT / WH6.0RT speaker allows for a quick installation by following these easy steps:

1. Remove the grille by pushing the two mounting bars, located at the rear of the speaker, towards the front of the speaker. The long screws attached to the mounting bars will force the grille out of its retaining groove.
2. Attach the speaker cable (observing the proper polarity with your amplifier, + to + and - to -). Make sure the left channel of the amplifier is connected to the left speaker, and the right channel is connected to the right speaker.

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- Slide the ends of the two mounting bars at the tweeter end of the speaker behind the drywall so the drywall is now between the mounting bars and the back of the speaker baffle. This should be enough room for the other ends of the mounting bars to clear the other end of the drywall hole and slide behind the drywall as well. **(See Diagram 3)**
- Position the speaker into the hole and start tightening the six screws evenly. This will cause the mounting bars to properly sandwich the drywall between the self-adjusting mounting bar feet and the speaker flange. Make sure the speaker is positioned correctly before final tightening of the six mounting screws.  
**Note:** The flange of the speaker is designed to flex and conform to any small imperfections in the wall surface. The tension on the screws should not be tightened so that the flange bows out. If this occurs, back off the tension on the screws until the bowing is eliminated.
- Push the grille firmly into the slot in the speaker baffle.

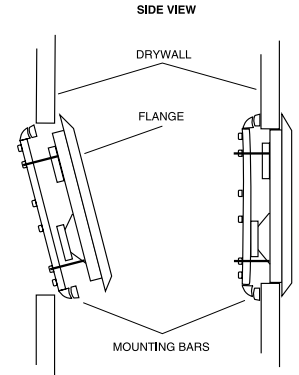


Diagram 3

## PAINTING THE SPEAKERS

If you plan to paint your speakers, we recommend that it be done prior to installation. If you plan to paint your speakers sometime in the future, it is best to remove them by simply reversing the steps for "Speaker Installation" listed above. If it is necessary to paint the speakers while they are still in the wall, the paint masks provided in the carton must be installed in place of the grille while the flange is being painted with the wall. The grilles can also be painted. However, great care should be taken not to clog the holes as this will greatly reduce the sound quality of the speakers. We recommend only light spray painting using 5 parts thinning agent to 1 part paint. Do not paint the grilles while they are attached to the speaker. If it is necessary to paint the under grille material, follow the same procedure used to paint the grilles.

## SPECIAL FIRE WALL INSTALLATION

If you plan to mount your speakers in a fire rated wall or ceiling, you should purchase a Whole House Audio Enclosure, style #SE1612. This metal enclosure mounts easily between studs, and contains a standard electrical type connector for connections of your speaker cable directly to the speaker.

## SPEAKER SPECIFICATIONS

	WH6.2RT	WH6.1RT	WH6.0RT
System Description:	2-Way Infinite Baffle Design	2-Way Infinite Baffle Design	2-Way Infinite Baffle Design
High Frequency Driver:	1" Silk Dome	½" Polyamide Dome	2" Cone
Low Frequency Driver:	6½" Polypropylene Cone Rubber Surround	6½" Polypropylene Cone Rubber Surround	6½" Polypropylene Cone Polyurethane Surround
Impedance (nominal):	8 Ω	8Ω	8Ω
Sensitivity:	90dB	90dB	87dB
Frequency Response:	60Hz - 20kHz	60Hz-19kHz	80Hz-15kHz
Recommended Amplifier Power:	5-75 Watts (undistorted)	5-75 Watts (undistorted)	5-40 Watts (undistorted)

In our attempt to constantly improve our products, features and specifications are subject to change without notice.

## LIMITED 5-YEAR WARRANTY

SpeakerCraft Inc. warrants to the original retail purchaser *only* that this SpeakerCraft product will be free from defects in materials and workmanship for a period of five years, provided the speaker was purchased from an Authorized Dealer.

Defective products must be shipped, together with proof of purchase, prepaid insured to the SpeakerCraft Authorized Dealer from whom they were purchased, or to the SpeakerCraft factory at the address listed on this installation instruction manual. Freight collect shipments will be refused. It is preferable to ship this product in the original shipping container to lessen the chance of transit damage. In any case, the risk or loss or damage in transit is to be borne by the purchaser. If, upon examination at the Factory or SpeakerCraft Authorized Dealer, it is determined that the unit was defective in materials or workmanship at any time during this warranty period, SpeakerCraft or the SpeakerCraft Authorized Dealer will, at its option, repair or replace this product at no additional charge, except as set forth below. If this model is no longer available and can not be repaired effectively, SpeakerCraft, at its sole option, may replace the unit with a current model of equal or greater value. In some cases where a new model is substituted, a modification to the mounting surface may be required. If mounting surface modification is required, SpeakerCraft assumes no responsibility or liability for such modification. All replaced parts and product become the property of SpeakerCraft Inc. Products replaced or repaired under this warranty will be returned to the original retail purchaser, within a reasonable time, freight prepaid.

This warranty does not include service or parts to repair damage caused by accident, disaster, misuse, abuse, negligence, inadequate packing or shipping procedures, commercial use, voltage inputs in excess of the rated maximum of the unit, or service, repair or modification of the product which has not been authorized or approved by SpeakerCraft. This warranty also excludes normal cosmetic deterioration caused by environmental conditions. This warranty will be void if the Serial number on the product has been removed, tampered with or defaced.

This warranty is in lieu of all other expressed warranties. If the product is defective in materials or workmanship as warranted above, the purchaser's sole remedy shall be repair or replacement as provided above. In no event will SpeakerCraft be liable for any incidental or consequential damages arising out of the use or inability to use the product, even if SpeakerCraft Inc. or a SpeakerCraft Inc. Authorized Dealer has been advised of the possibility of such damages, or for any claim by any other party. Some states do not allow the exclusion or limitation of consequential damages, so the above limitation and exclusion may not apply.

All implied warranties on the product are limited to the duration of this expressed warranty. Some states do not allow limitation on the length of an implied warranty. If the original retail purchaser resides in such a state, this limitation does not apply.

Should you have any questions regarding this, or any other SpeakerCraft product, please call our toll-free service hotline at 1-800-448-0976. We are available to assist you every weekday, except holidays, between the hours of 7:00 a.m. and 5:00 p.m. PST.