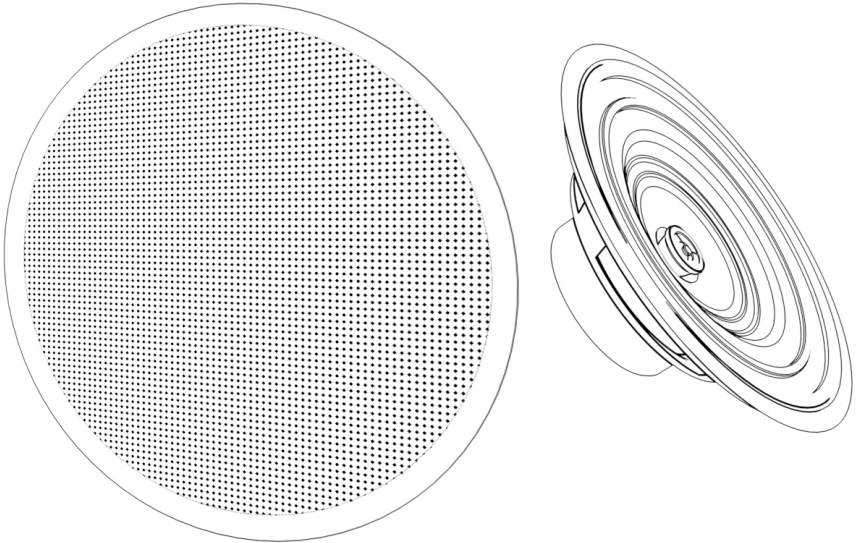


BATHOLOGY

# Acoustics 310

Steam Room / In-Shower Speakers





## **Please read this manual in its entirety prior to installation**

Acoustics 310 Steam Room / In-Shower Speakers drive full-bodied bathing environment sound utilizing 6-1/2” poly cone woofers and 1” mylar tweeters. Their rich sound, durable construction, sleek profile design, and superior-seal technology makes the Acoustics 310 the unanimous choice for amazing sound bathing experiences.

## **PACKAGE INCLUDES**

- (2) Steam Room / In-Shower Speakers, white
- (2) Speaker grille, white
- (2) Cut-out template
- (4) RTV silicone sealant, 1 oz tube
- Installation and operation manual

## SPECIFICATIONS

**Woofers:** 6-1/2" Poly cone

**Tweeter:** 1" Mylar

**Impedance:** 8 Ohms

**Sensitivity:** 88 dB 1W/1m

**Frequency Response:** 60 Hz - 20 kHz

**Power Handling (RMS/Max):** 25/50 watts

**Cut-Out Size:** 7-3/8" Diameter

**Product Diameter:** 8-1/2" Diameter

**Product Depth:** 2-3/4"

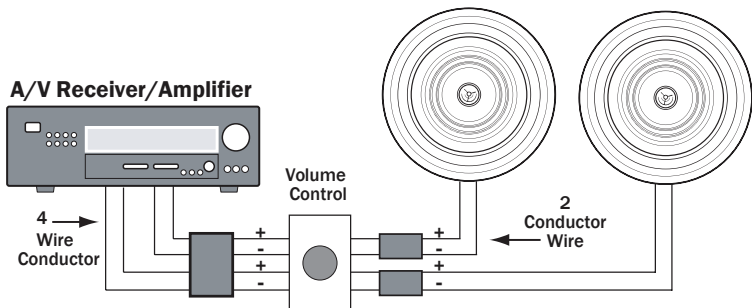


- For safety purposes, use safety goggles during installation.
- Check for piping/electrical before cutting or drilling.
- Electrical components are not waterproof.
- If there is any risk of uninsulated electrical connections in your wall/ceiling area during installation, use insulating gloves.
- Do not install speakers in direct contact with water or steam emissions.
- Make certain there are no electrical wires, water pipes, or heating ducts in your desired installation area.
- If there is any nearby electrical, turn off the breaker to avoid possible injury.

# INSTALLATION CONSIDERATIONS

- Before installing speakers into the ceiling, consider the placement carefully, taking into account the location of electrical, plumbing, and other fixtures.
- Speakers should be installed 5' to 8' apart and at least 2' from any corners.
- 1" clearance is required around speaker mounting hole for the mounting clamps.
- These speakers require two-conductor wiring of sufficient gauge based on distance from speaker to the amplifier.

Less than 80 feet	= 16 gauge
80 to 200 feet	= 14 gauge
200+ feet	= 12 gauge
- When running speaker wires inside walls or ceilings, use special jacketed cables (CL-2 or CL-3 rating) to protect the wires and for fire prevention.
- All wiring must be done in accordance with National Electrical Code and local building code.
- Plan speaker wiring path for maximum efficiency.
- Label both ends of speaker wires to simplify connections.
- Do not run speaker wires closer than 12" from high voltage wires.
- If speaker wires must cross high voltage lines, do so at a 90° angle to avoid audible hums in your speakers.
- Do not run speaker wires in series or parallel and do not “daisy-chain” to common wiring. See typical installation below.



## INSTALLATION

1. Cut 7-3/8" diameter diameter ceiling holes to mount each speaker (cut-out template provided). Insert speaker to verify fit. **Note: Be careful not to saw through any pipes or wires. If you feel any extra resistance, stop.**
2. Run speaker wires for recommended wire specifications from source to speaker location (see "Installation Considerations" section on page 3 of this manual).
3. If the area in the ceiling is not already insulated, consider adding an adequate amount of insulation material to fill the area. If the insulation material used is faced with foil or paper, position the foil or paper away from the speaker.
4. Prep the speaker wires by stripping 1/2" from each lead. Twist the strands to ensure there are no stray strands that could short.
5. **With amplifier off**, connect speaker wires to system amplifier.
6. Place speakers face down and connect the speaker wires to the speakers. Locate the black and red connectors on the back of each speaker. Black is for negative ( - ) and red is for positive ( + ). Be sure to match proper wiring polarity. If you have run wire other than red and black, make sure you connect the same end to both amplifier and speaker.
7. Test speakers for operation prior to mounting.
8. Remove front grille of speakers by rotating out two opposite mounting clamps and press them down to force the grille out of its retaining groove.
9. Return the mounting clamps to their original position.
10. Apply a 1/8" bead of RTV silicone (included) around the edge of the speakers as required to form a watertight seal.
11. With the mounting clamps turned inward, insert each speaker into speaker cut-out hole.
12. Secure speakers to ceiling using their integral mounting clamps. Clamps will swing out when tightening the four screws. Caution: Do not over-tighten. Over-tightening may cause the ceiling materials to crack, cause the flange to distort and make the grille difficult to install.

## INSTALLATION (CONTINUED)

13. Ensure the speaker is secure by giving a gentle tug. Remove excess RTV silicone.
14. Press speaker grilles back into its retaining groove.
15. Allow silicone to cure for 24 hours before exposing product to any source of moisture.

## PRODUCT CARE

For routine cleaning simply use a soft damp cloth and common household soap on the outside of the grille. Use a damp cloth to wipe clean, then dry. Clean product frequently to avoid calcium deposits on surfaces. Use only mild soap based detergents. Never use abrasive cleaners, bleach, disinfectants or cleaning products containing alcohol, ammonia, hydrochloric or phosphoric acids as they will damage the product's finish.

## REPLACEMENT PARTS

Contact your Bathology representative for Acoustics 310 Steam Room / In-Shower Speaker replacement parts.

<b>Description</b>	<b>Part Number</b>
Speaker grille, white	Acoustics016

Acoustics 310-1  
900-0306-1016

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