

BATHOLOGY

rediscover bathing



Acoustics 430 / 440

Sauna Room Speakers

Installation and Operation Manual

Contents

Installation Considerations	3
Installation	4
Product Care	7
Specifications	7

Installation Considerations

Please read this manual in its entirety prior to installation

CAUTION Carefully review all installation options and instructions before proceeding.

CAUTION For safety purposes, use safety goggles at all times.

WARNING Check for piping / electrical before cutting or drilling.

WARNING Electrical components are not waterproof.

WARNING If there is any risk of uninsulated electrical connections in your wall / ceiling area, use insulating gloves.

IMPORTANT All wiring must be done in accordance with National Electric Code and local building code.

IMPORTANT The Acoustics 430-1, 440-6.5, and 440-8.0 should be installed by a licensed, qualified electrician.

IMPORTANT Clearance is required around speaker mounting hole for the mounting clamps. Provide space as needed.

IMPORTANT These speakers require two-conductor wiring of sufficient gauge based on distance from speaker to amplifier. Less than 50 feet, use 16 guage. More than 50 feet, use 14 guage.

IMPORTANT When running speaker wires from ceilings, use special jacketed cables (CL-2 or CL-3 rating) to protect the wires and for fire prevention.

IMPORTANT Label both ends of speaker wires to simplify connections.

IMPORTANT Plan speaker path for maximum efficiency.

IMPORTANT Do not run speaker wires closer than 12" from high voltage wires.

IMPORTANT If speaker wires must cross high voltage lines, do so at a 90° angle to avoid audible hums in your speakers.

IMPORTANT Do not run speaker wires in series or parallel and do not "daisy-chain" to common wiring. See typical installation.

IMPORTANT Speakers should be installed no higher than 48" above the finished sauna floor. 2' distance is recommended from any corner to avoid overemphasized bass. Maintain 5' to 8' distance between the speakers to ensure proper stereo imaging.

Installation

Sauna Room

To Sound System
(Sold Separately
or by others)

2 #16 AWG
(not supplied)
Use #14 instead
for runs over 50'

See Cut-Out
Table Below

Less than 48" off the finished
floor and in desired location.
2' distance is recommended
from any room corner to
reduce bass emphasis.
Maintain 5' to 8' distance
between the speakers to
ensure proper stereo imaging.

(A)

(B)

Your speaker may
look like this instead
(not drawn to scale)

Package Includes

Item	Quantity	Description
A	2	Sauna Room Speakers
B	2	Speaker Grilles
C	2	Cut-out Templates

Cut-Out Table

Model	Cut-Out
430-1	12-7/8" x 8-3/4"
440-6.5	10-3/4" x 6-3/4"
440-8.0	6-1/8" x 13-3/8"

Installation (Continued)

1. Determine best area to mount the speaker. This area should be on a wall and free of obstructions caused by other fixtures. For high fidelity, long-lasting performance in extreme heat and sauna environments, it is recommended to locate speakers below 48" off the finished sauna room floor.
2. Position the template in the desired location, follow installation template instruction for rough-in.
3. If the area of the wall is not insulated already then add an adequate amount of insulation material to fill the wall cavity. If the material is faced with foil or paper that side will face away from the speaker.
4. Attach the speaker cable, paying close attention to connecting the correct polarities. (+ to + and - to -).
5. Make sure the mounting feet are turned inward and insert the speaker into the cut-out hole.
6. Remove the grill and tighten the four screws to secure mounting feet. This will cause the speaker to clamp to the wall. Warning: Do not over-tighten.

To Sound System	To Speakers
Black -	IN Black -
Red +	IN Red +

Installation (Continued)

7. Adjust the tweeters so they point in toward the listening area. Properly adjusting the direction of the tweeters greatly improve the stereo imaging of the speakers.
8. Push the grille firmly into the slot of the speaker baffle.

Product Care

For routine cleaning, simply use a soft damp cloth and common household soap. Use a damp cloth to wipe clean, then dry. Clean product frequently to avoid calcium deposits on surfaces. Use only mild soap. **Never use abrasive cleaners, bleach, disinfectants or cleaning products containing alcohol, ammonia, hydrochloric or phosphoric acids** as they may damage the product's finish. To clean electrical components, gently wipe down using a dry cloth or duster. **Never use a wet duster, water, or any other liquid to clean the device.**

Specifications

Specification	Acoustics 430	Acoustics 440-6.5	Acoustics 440-8.0
Speaker Type	2-Way	2-Way	2-Way
Woofers	5.25 (x2) Kevlar Cone	6.5" Kevlar Cone	8" Kevlar Cone
Tweeter	1" Silk Pivoting	1" Silk Pivoting	1" Silk Pivoting
Impedance	8 Ohms	8 Ohms	8 Ohms
Sensitivity	86 ± 3dB	87 ± 3dB	88 ± 3dB
Frequency Response	60Hz - 20KHz	61Hz - 20KHz	40Hz - 20KHz
Power Handling	50/100 (RMS/Peak)	50/100 (RMS/Peak)	80/160 (RMS/Peak)
Dimensions	7-1/2" x 14-3/4" x 2-7/8"	12-1/8" x 8-1/4" x 3-3/8"	14-1/4" x 10-1/4" x 3-7/8"
Cut-Out Dimensions:	6-1/8" x 13-3/8"	10-3/4" x 6-3/4"	12-7/8" x 8-3/8"

BATHOLOGY

rediscover bathing

www.Bathology.com 800-957-2862

A division of Bathing Brands, Inc.