

BOPTHTR60 Series Palatial™ Collection

Installation Manual

BOPTHTR66



| BANG & OLUFSEN

Table of Contents

Introduction	1
Specifications	2
What's Included	3
Tools & Items	3
Wire Recommendation	3
Speaker Placement	4
About Speaker Wire	6
Installing the Wire	6
Wire Routing	7
Cutting the Hole	8
Connecting the Wire	8
Installing the Speaker	9
Testing & Adjustments	10
Installing the Grille	10
Troubleshooting	11
Technical Assistance	12
Warranty	13
Return Process	14

Introduction

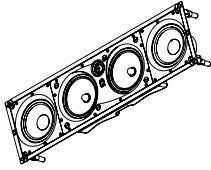
Thank you for purchasing the Palatial™ THTR 6 In-Ceiling Speaker. Origin Acoustics and Bang & Olufsen take pride in providing you with high quality products. All of our speakers are designed to have excellent sound quality, longevity, and a simple installation process.

This instruction booklet covers the necessary information for a smooth installation, including: the tools you will need, step-by-step instructions for installation, troubleshooting tips for any errors that may occur, and all warranty information. If for any reason you experience problems or if you have installation questions please call us at (844) 674-4461. Hours of operation are 8:00am to 5:00pm (Pacific Time), Monday through Friday.

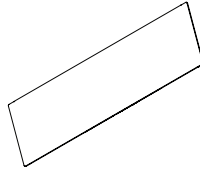
Specifications

Model	BOPHTR66
Part Number	SWBOP30600
Woofer Cone	Glass Fiber
Woofer Dimensions	6.5" (165mm)
Tweeter Dome	Silk DPSD
Tweeter Diameter	1" (25mm)
Frequency Response	40 Hz - 20 kHz
Impedance	6 ohm Minimum
Power Handling	10 - 200 Watts
Dimensions	8.67 x 29.85" (220 x 758mm)
Grille Dimensions	9.11 x 30.29" (231 x 769mm)
Cutout Dimensions	7.875 x 29" (198 x 736mm)
Mounting Depth	3.78" (96mm)

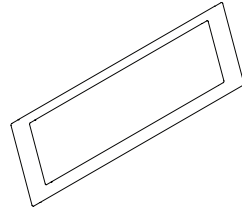
What's Included



Speaker



Grille



Template

Tools & Items

- Drywall Saw
- Speaker Wire
- Pencil
- Wire Stripper
- Measuring Tape
- Drill
- Drill Bit 1/8" (3mm)
- Stiff Wire
- Stud Finder
- Fish Tape

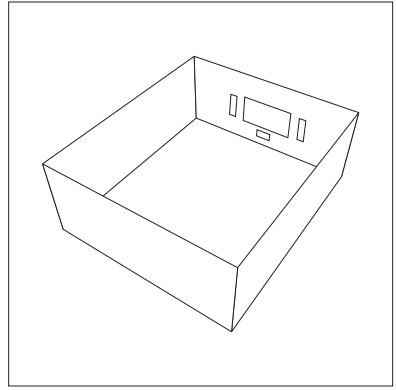
Wire Recommendation

The gauge of wire used can have an impact on the performance of your speakers. Use a multi-stranded wiring designed for amplifier to speaker connections. Which gauge to select depends on the length of wire to be used on any particular speaker. The longer your run is, the larger your wire size must be.

Wire Length	Wire Gauge
0 -100' (0 - 30m)	16 (1.5mm ²)
50 - 150' (15 - 45m)	14 (2.5mm ²)
Over 100' (30m)	12 (4mm ²)

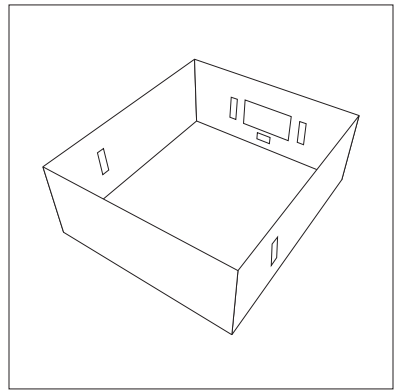
3.1 (3 Speaker Placement)

Place the center channel (CC) speaker directly above or below the video display with the left (L) and the right (R) speakers on either side. The center channel speaker can be mounted either horizontally or vertically. For better sound quality, avoid corners.



5.1 (5 Speaker Placement)

In addition to the 3.1 setup, add two surround speakers located a little above and a few feet behind ear level. They should be a few feet behind the listening area, and about 5 feet (1.5 m) from the floor.

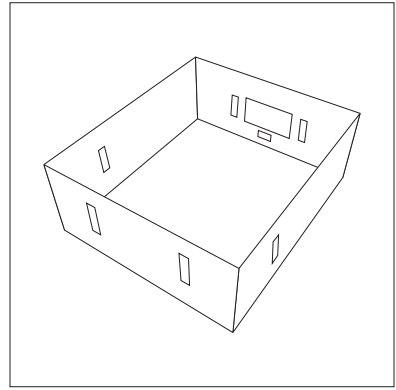


7.1 (7 Speaker Placement)

The front left, right, and center speakers should be in the same location as the previous two setups described.

The surround left and right speakers should be about 5 feet (1.5 m) from the floor, directly to either side of the listening area. Finally, the rear speakers should be on the back wall, about

5 feet (1.5 m) from the floor and 3 to 6 feet (1 to 2 m) apart. If possible, make sure that the distance between the rear speakers is the same as the distance between the front left and right speakers.



About Speaker Wire

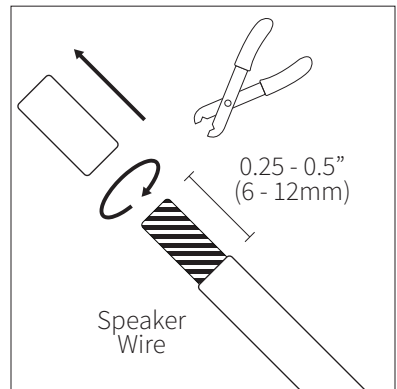
Use a two conductor wire that allows you to identify one conductor from the other. This designation may be obvious or as subtle as a ridge on one conductor.

It's crucial that you keep track of which wire you use for positive (+) and negative (-). Typically if the wires are colored red and black, the red wire is used for positive and the black wire is used for negative, but sometimes other colors or patterns are used. You can choose whichever color of wire you want to be positive and negative as long as you remain consistent throughout the install.

On both your amplifier and your speaker the connectors will be identified as red for positive and black for negative. It is very important to look carefully at the speaker wires and be certain that the same wire that is attached to the positive connector in the amplifier is attached to the positive connector in the speaker.

1. Installing the Wire

Strip $\frac{1}{4}$ to $\frac{1}{2}$ inches (6 to 12 mm) of the insulation off both ends of the wire. To avoid stray strands, twist them at the end. Connect the wire to the amplifier, and make sure the wire connected to the left speaker output will be routed to the left speaker, right output to right speaker, etc.



Wire Routing

Plan how you'll route the wire to the desired speaker location. There are several methods for routing the wire, and you may need to combine several of them.

Behind the Baseboard

The wire can be routed behind the baseboard by cutting a groove out of the back of the baseboard, or by buying special baseboard designed for concealing wires.

Through Walls

When running wires through a wall, be sure to avoid all obstacles such as AC wiring, pipes, and ducts.

Attic or Basement

When available, you can route the wire through an attic or crawlspace.

Under the Carpet

One option is to lift up the carpet and rout "tape wire" under the carpet.

For New Construction

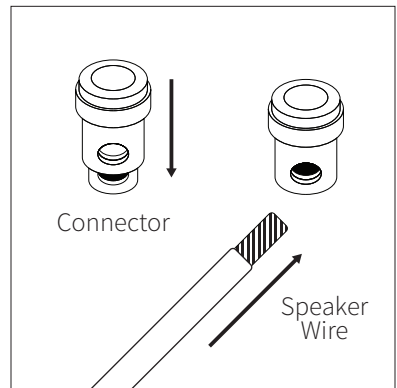
If these speakers are being installed in a new home during construction, the installation process will be a bit different (although much simpler). For these situations, it's recommended you purchase a bracket. Instructions on how to install the speakers are provided with the bracket, or can be found on our website. Visit www.originacoustics.com for more information.

2. Cutting the Hole

When you've decided on the locations for all of the speakers, use the template to trace a circle lightly in pencil where the hole should be. (If you don't have a template, check the Specifications section for cutout sizes.) If you're unsure on whether there may be obstacles (such as pipes or wires) where you plan on installing the speaker, drill a $\frac{1}{8}$ inch hole in the center of the rectangle, then put a bent coat hanger through the hole to feel around. Use a keyhole or drywall saw to cut the hole.

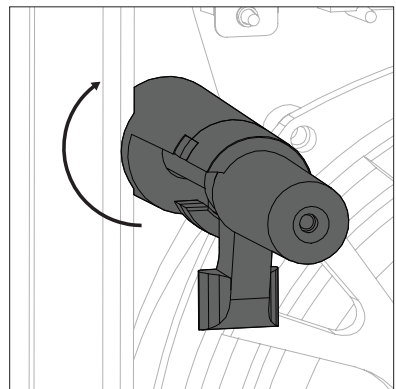
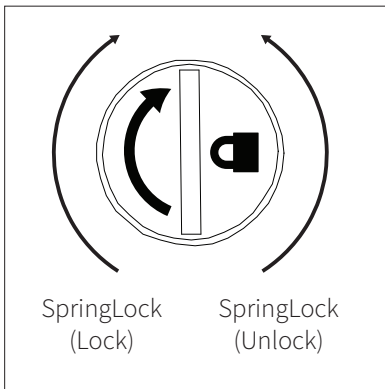
3. Connecting the Wire

Push down to open the connector. Insert the wires into the connectors, making sure that the positive wire is being attached to the red connection and the negative wire is being attached to the black connection. If the wires are switched, speaker performance will be drastically impacted.



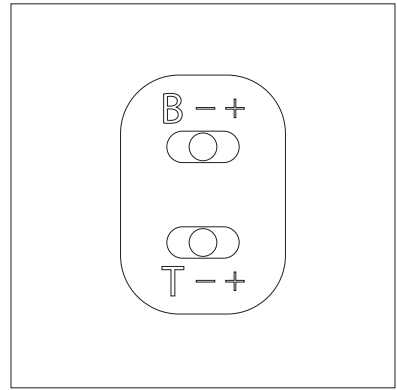
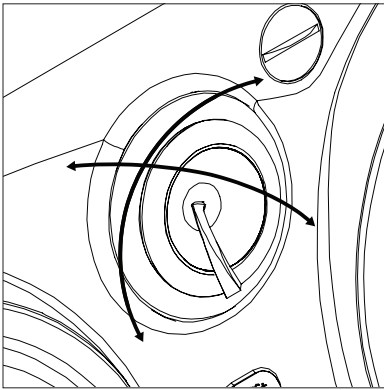
4. Installing the Speaker

Make sure the speaker's SpringLocks are loaded in the upper notch and turned so that they don't interfere with placing the speaker into its hole. After the speaker is in place, use a screwdriver or coin to turn the SpringLock release as indicated by the arrow. (Not all SpringLock releases will be turned the same direction.) When you turn each SpringLock release, you should hear each SpringLock clamp down on the wall. Do not attempt to tighten the SpringLock releases, because once the SpringLock has clamped down it's as secure as it can be. If you need to remove the speaker, turn the SpringLocks 90° in the opposite direction of the arrows.



5. Testing & Adjustments

The tweeter can be pivoted to direct the sound towards the listening area. Or for a more diffused surround sound experience, the rear speakers can be aimed towards the wall. To aim the tweeter, gently apply pressure to the rim with your thumbs to pivot the tweeter. Subject to which speaker is being used, there are two switches: one to adjust the treble, and one to adjust the bass. Depending on the speaker you may have one or two tone control switches to compensate for the affects of the room environment. Adjust for the desired acoustic balance for each room.



6. Installing the Grille

Fit the grille over the speaker. The grille uses magnets to be held in place.

Troubleshooting

If you have a problem, try isolating it first. For example, if you're playing a DVD and there is no sound, try replacing the DVD with an MP3 player to see if you get sound. If it does work, then the problem is with the television, DVD player, or the cables connecting them. If it doesn't work, the problem will be with the amplifier, speakers, or those cables.

Problem	Possible Cause
No Sound	The volume may be turned down or muted. Check the volume settings on both the amplifier and the source (television/computer/CD player/etc.)
No Sound	Make sure the proper source is selected on the amplifier or receiver.
No Sound	Check the cord connecting the amplifier with the source. The cord may be damaged or plugged into the wrong input or output.
No Sound	Check the wires connecting the amplifier with the speakers. Make sure they're connected properly and not damaged in any way.
Poor Sound Quality	If you hear something like static, or the sound is cutting in and out, check the audio cables. If the problem increases when a cable is being moved, then the cable is most likely faulty or not connected properly.
Poor Sound Quality	Today's audio systems may have several places to adjust the volume, for example your MP3 player may have a volume control, and your amplifier may also have one. Check to be certain that the volume isn't turned up past 80% on any device.
Poor Sound Quality	Try changing sources to be certain that the selection you've chosen is a good quality recording.

Technical Assistance

If you have any questions or concerns about installing or using this product, you can reach us through one of the following methods:

Phone: (844) 674-4461

Hours of operation: 8:00am - 5:00pm (Pacific Time), Mon - Fri

Email: techsupport@originacoustics.com

If you are having technical trouble, please include the model number and briefly explain what steps you took to resolve the problem in your email, or be prepared to answer these questions over the phone. If you are considering returning the product, it's required that you contact Origin Acoustics prior to any return attempts. This way we can determine if the issue can be resolved without returning the product, or if needed we can provide instructions and support for the return process.

Limited Lifetime Warranty

Origin Acoustics warrants to the original retail purchaser only that this Origin Acoustics product will be free from defects in materials and workmanship, provided the speaker was purchased from an Origin Acoustics authorized dealer.

If the product is determined to be defective, it will be repaired or replaced at Origin Acoustics' discretion. If the product must be replaced yet it is no longer manufactured, it will be replaced with a model of equal to or greater value that is the most similar to the original. If this is the case, installing the replacement model may require mounting modifications; Origin Acoustics will not be responsible for any such related costs.

Requirements & Warranty Coverage

This warranty may not be valid if the product was purchased through an unauthorized dealer. This warranty only applies to the individual that made the original purchase, and it cannot be applied to other purchases. The purchaser must be prepared to provide proof of purchase (receipt). This warranty will not be valid if the identifying number or serial number has been removed, defaced, or altered.

Not Covered by Warranty

- Accidental damage
- Damage caused by abuse or misuse
- Damage caused by attempted repairs/modifications by anyone other than Origin Acoustics or an authorized dealer
- Damage caused by improper installation
- Normal wear, maintenance, and environmental issues
- Damage caused by voltage inputs in excess of the rated maximum of the unit
- Damage inflicted during the return shipment

Return Process

Before making any return attempts, it is required that you first contact Origin Acoustics. Return product to Origin Acoustics or your dealer, either in person or by mail. It's preferable if the product is returned in the original packaging. If this isn't possible, the customer is responsible for insuring the shipment for the full value of the product.

This warranty is in lieu of all other expressed or implied warranties. Some states do not allow limitations on implied warranties, so this may not apply depending on the customer's location. (For more information, see Magnuson-Moss Warranty Act.)



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