



Bogen WB1EZ Wall Baffle Speaker User Manual

[Home](#) » [BOGEN](#) » Bogen WB1EZ Wall Baffle Speaker User Manual 

Contents

- [1 Bogen WB1EZ Wall Baffle Speaker](#)
- [2 Speaker Layout](#)
- [3 Speaker Installation Instructions](#)
- [4 FAQs](#)
- [5 Related Posts](#)

BOGEN®

Bogen WB1EZ Wall Baffle Speaker



Speaker Layout

Layout for Wall Baffle Speakers Installation

The layout of the speakers should be planned before installation. Wall baffle speakers are designed to project sound forward, so it's best to aim them in the same direction. This ensures greater coverage and clarity. You can utilize the building's roof pillars or other available supports for mounting the wall baffles. In some cases, you may need to mount the wall baffles on opposing walls, causing the speakers to project sound in opposite directions.

For Hallways and Rooms (20' to 60' Wide):

1. Start the layout at one end of the hallway or room.
2. Install the first speaker 10' from the end of the hallway or room.
3. The next speaker on that wall should be installed 20' from the first speaker, as should any additional speakers needed to cover the length of the hallway or room.
4. On the opposing wall, the first speaker should be installed 20' from the end of the hallway or room, staggering the speakers.
5. Each additional speaker on the opposing wall should also be installed 20' apart from the previous one. Refer to Figure 1 for visualization.

See Figure 1.

Diagram illustrating a room layout for a performance. The room is 20' wide and 60' long. The layout is divided into three sections by two vertical walls. The top section is labeled "START" and the bottom section is labeled "WALL". A "SPEAKER" is located in the top section. Arrows indicate a path from the START area, through the middle section, and into the WALL area. Dimensions are given as 10' and 20' for the width of the sections.

The number of speakers required and their layout in an open area depends on available mounting points.

1. Start in one corner of the room.
2. Install the first speaker 10' from the wall.
3. For the first row, install additional speakers at increments of 20' from the first speaker.
4. Follow the pattern shown in **Figure 2**: For the next row, install speakers 30' from the first row and 20' from the wall, with 20' increments between each speaker.
5. Continue this alternating pattern for each subsequent row until the entire area is covered.

Step 1 – Mark and Hang:

1. Mark the point on the wall where you want to hang the speaker.
2. Drill an appropriately sized hole in the wall and insert an anchor.
3. Drive the screw into the anchor, leaving enough of the screw exposed for hanging the speaker. Refer to Figure 3.

Note: Wall baffle speakers should be installed between 8 and 16 feet from the floor, depending on your needs.

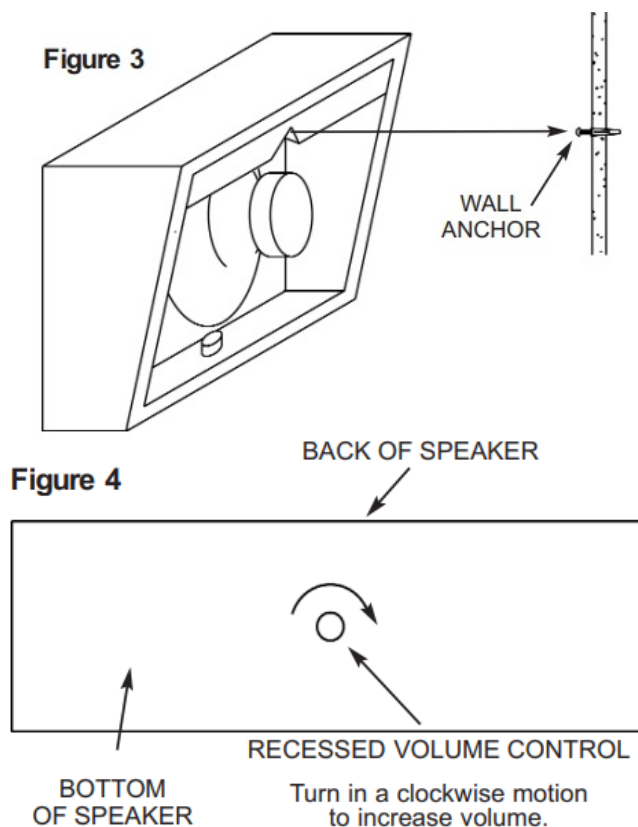
Step 2 – Electrical Connections:

1. Make the electrical connections using the 2 screw terminals on the WB1EZ.
2. Recommended amplifier connections are:
 - (+) 70V terminal – Connect to 70V HOT
 - (-) COM terminal – Connect to 70V COMMON

Note: The speaker will also work with these connections reversed. However, ensure consistency in the wiring of the speakers to avoid canceling out bass response in adjacent speakers, which can diminish sound quality.

Step 3 – Volume Adjustment:

1. If necessary to adjust the volume, locate the access hole at the bottom of the wall baffle.
2. Insert a thin, flat-blade screwdriver and turn the volume control clockwise (as viewed from the bottom of the baffle) to increase the volume.
3. To reduce the volume, turn the volume control counterclockwise. Refer to Figure 4.



Limited Warranty and Exclusions:

The WB1EZ is covered by a three (3) year warranty against defects in material or workmanship from the date of sale to the original purchaser. Bogen will repair or replace any defective part covered by this warranty, provided that the product is shipped insured and prepaid to: Bogen Factory Service Department, 50 Spring Street, Ramsey, NJ 07446, USA. The product(s) will be returned freight prepaid.

This warranty does not extend to products that have been:

- Subjected to abuse, misuse, improper storage, neglect, accident, or improper installation.
- Modified, repaired, or altered in any manner.
- Where the serial number or date code has been removed or defaced.

Important Warranty Information:

- This limited warranty is Bogen's sole and exclusive warranty and the purchaser's sole and exclusive remedy.
- Bogen disclaims all other warranties, either express or implied.
- Bogen's liability is limited to the price of the product.
- Bogen shall not be liable for special, incidental, or consequential damages (including, but not limited to, loss of profits, data, or use damages) even if advised of the possibility.

Note: Some states may not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Out-of-Warranty Repairs: Products that are out of warranty can be repaired by the Bogen Factory Service Department at the same address mentioned above or by calling 201-934-8500. Parts and labor involved in these repairs are warranted for 90 days when repaired by the Bogen Factory Service Department. All shipping charges in addition to parts and labor charges will be at the owner's expense. All returns require a Return Authorization number.

FAQs

What is the Bogen WB1EZ Wall Baffle Speaker?

The Bogen WB1EZ Wall Baffle Speaker is a speaker designed to be mounted on walls for audio distribution in commercial and industrial settings.

What is the recommended installation height for the WB1EZ speaker?

The speaker should be installed between 8 and 16 feet from the floor, depending on your needs.

Can I reverse the wiring connections for the speaker?

Yes, you can reverse the wiring connections, but ensure consistency in the wiring of speakers in the system to avoid canceling out bass response in adjacent speakers, which can affect sound quality.

How does the warranty work for the WB1EZ Wall Baffle Speaker?

The WB1EZ comes with a three-year warranty against defects in material or workmanship from the date of sale to the original purchaser. Defective parts will be repaired or replaced if the product is shipped insured and prepaid to the Bogen Factory Service Department.

What does the warranty not cover?

The warranty does not cover products that have been subjected to abuse, misuse, improper storage, neglect,

accident, improper installation, modification, or repair. It also does not cover damage if the serial number or date code has been removed or defaced.

What if my WB1EZ speaker is out of warranty and needs repair?

If the speaker is out of warranty, you can still have it repaired by the Bogen Factory Service Department. The parts and labor involved in these repairs are warranted for 90 days when repaired by Bogen. You'll be responsible for shipping charges and other associated costs.

Can I use the WB1EZ speaker in outdoor settings?

The WB1EZ speaker is designed for indoor use. It is not recommended for outdoor installations unless protected from direct exposure to the elements.

What is the recommended amplifier power for the WB1EZ speaker?

The speaker is designed to work well with amplifiers that provide 70V output. Ensure your amplifier's power output matches the speaker's requirements for optimal performance.

Can I paint or customize the appearance of the WB1EZ Wall Baffle Speaker?

Yes, you can paint the speaker to match your decor. Use paint that is suitable for audio equipment and follow the manufacturer's instructions for painting.

What should I do if I experience sound quality issues with the speaker?

If you encounter sound quality problems, first check the wiring connections to ensure they are correct and consistent with other speakers in the system. If issues persist, contact Bogen's customer support for assistance.

Are there any recommended maintenance procedures for the WB1EZ speaker?

Regularly inspect the speaker for any visible damage or loose connections. Keep the speaker clean and free from dust to maintain optimal performance. However, avoid using abrasive cleaners or solvents.

Can I purchase replacement parts for the WB1EZ Wall Baffle Speaker?

Yes, replacement parts for the speaker are available through Bogen. Contact their customer support or visit their official website for information on ordering replacement parts.

Download This PDF Link: [Bogen WB1EZ Wall Baffle Speaker User Manual](#)