

# VoIP Wall Baffle Speaker Model WBS810QIP

## Installation Manual



### Speaker Layout

The layout of the speakers should be planned prior to installation. Because wall baffle speakers are designed to project forward, it is best to aim them in the same direction, as this provides for both greater coverage and clarity. You can use the building's roof pillars or other available supports for mounting the wall baffles.

In some cases, it may be necessary to mount the wall baffles on opposing walls. In these cases, the speakers will project sound in opposing directions.

**HALLWAY** - Wall baffle speakers work well with rooms and hallways that are 20' to 60' wide. Layout starts at one end of the hallway or room. The first speaker should be installed 10' from the end of the hallway or room. The next speaker on that wall should be installed 20' from the first speaker. Each additional speaker should be installed 20' apart from the previous one.

The first speaker on the opposing wall should be installed 20' from the end of the hallway or room, thereby staggering the speakers. Each additional speaker should be installed 20' apart from the previous one (see Figure 1).

Figure 1

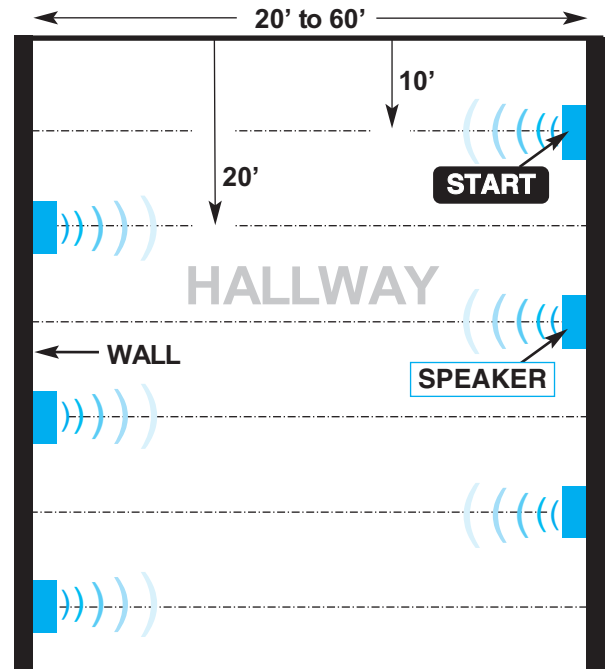
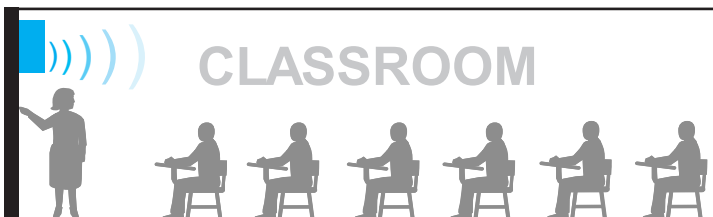


Figure 2



**CLASSROOM** - In most cases, a classroom environment requires only a single wall baffle speaker to service the entire room. The final placement of the speaker within the classroom can vary, but common area locations such as at the head of the class or near the room entrance are typically chosen (see Figure 2).

Based on the speaker position that has been selected, and using the supplied hardware, the installer can choose between several mounting options (see Figures 3-6).

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740-00001A 1704

## Speaker Installation

**STEP 1** - Select the mounting option from **Figures 3–6** and use the supplied hardware for ganged box mount or wall mount with anchors.

NOTE: Wall baffle speakers should be installed between 8 and 16 feet from the floor depending upon need.

Figure 3

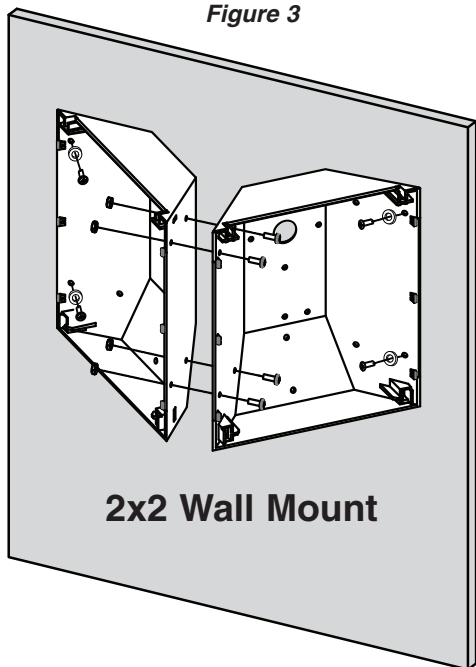


Figure 4

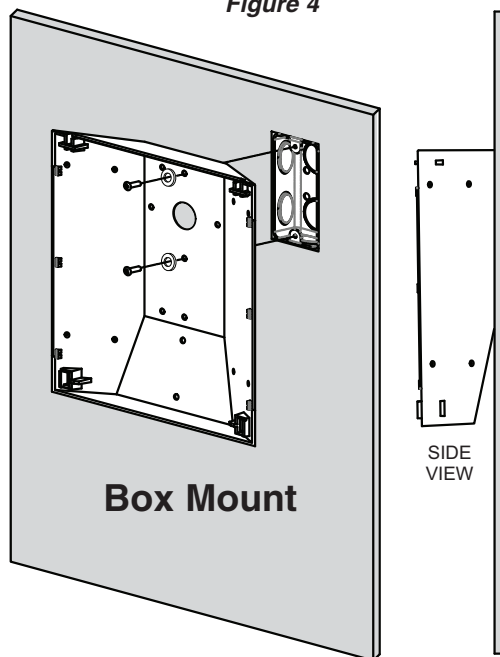


Figure 5

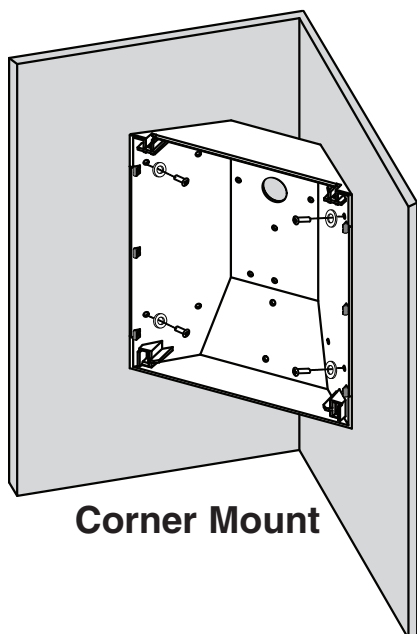
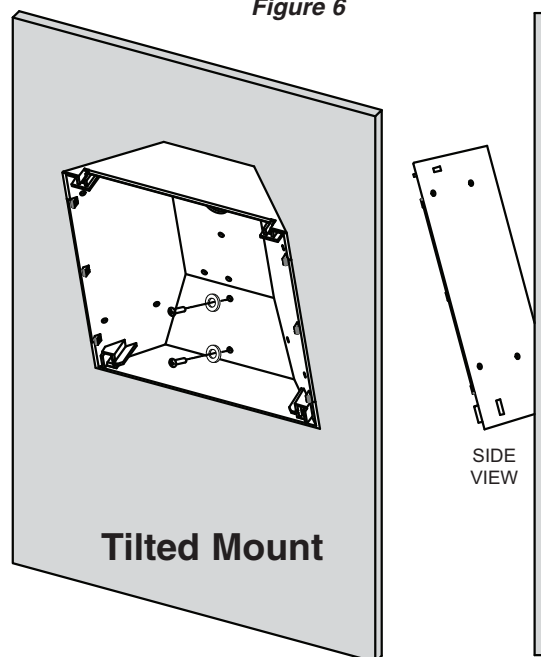


Figure 6



**STEP 2** - Using shielded Category 5 or higher Ethernet cable is recommended. If it is not available, add the clamp-on ferrite bead that is located in the installation kit to the Ethernet cable and secure it with the wire tie to the speaker cage (**Figure 7**).

The power is supplied by PoE using an 802.3af compliant network switch or PoE injector.

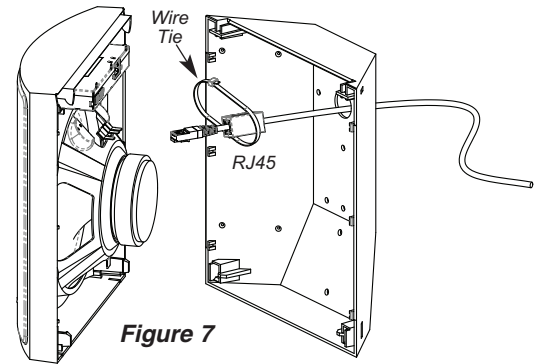


Figure 7

## Speaker Assembly

**STEP 3** - To assemble the Wall Baffle Speaker (**Figure 8**), first align the two “notches” (**A**) located at the top of the speaker baffle with the “notches” (**B**) at the top of the rear housing. Then, rotate the speaker baffle downward (**Figure 9**) until the two bottom sections (**C & D**) snap together.

**NOTE:** Please refer to the Quantum Multicom IP “VoIP Speakers Configuration and Operations Manual” for detailed instructions on how to configure these speakers in the system.

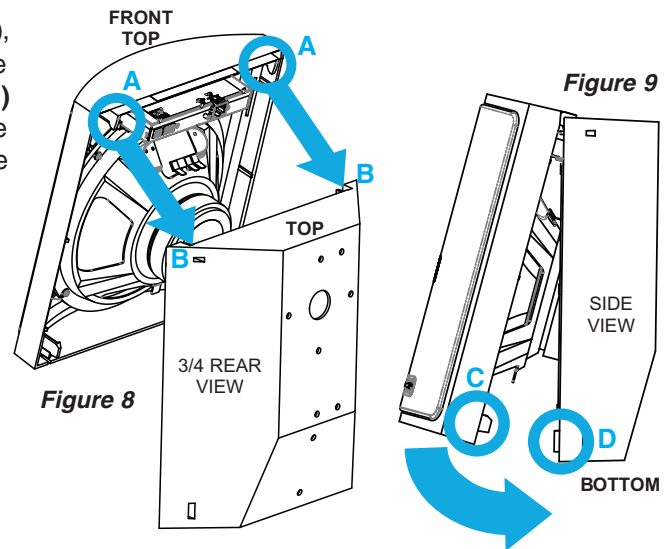


Figure 8

Figure 9

## Additional Accessories

When the **WBS810QIP** is used with a CA15 Call Switch, make the connection to the Quantum VoIP Module CALL SWITCH connector as shown in **Figure 10**; the **RED** wire connects to the “T” pin and the **BLACK** wire to the “R” pin using the included 3-Pin Dinkle wire terminal connector.

**NOTE:** LINE OUT Connector - This function is reserved for future use.

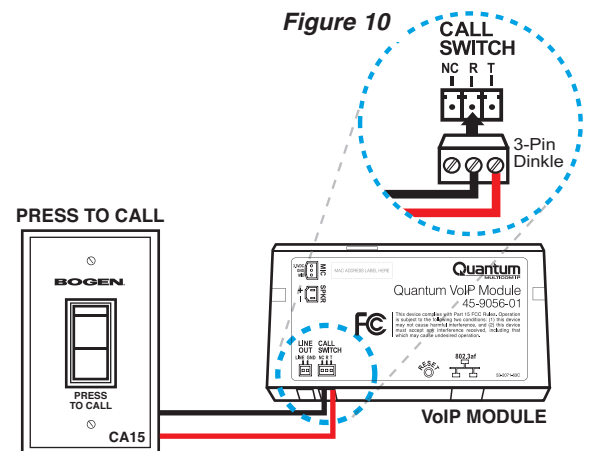


Figure 10

## Compliance

*NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference; in which case, the user will be required to correct the interference at his own expense.*

## Warranty Information

### Limited Warranty; Exclusion of Certain Damages

The **WBS810QIP** is warranted to be free from defects in material or workmanship for three (3) years from the date of sale to the original purchaser. Any part of the product covered by this warranty that, with normal installation and use, becomes defective will be repaired or replaced by Bogen, at our option, provided the product is shipped insured and prepaid to: Bogen Factory Service Department: 4570 Shelby Air Drive, Suite 11, Memphis, TN 38118, USA. The product(s) will be returned to you freight prepaid. This warranty does not extend to any of our products that have been subjected to abuse, misuse, improper storage, neglect, accident, improper installation or have been modified or repaired or altered in any manner whatsoever, or where the serial number or date code has been removed or defaced.

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